2019-2020 CATALOG

Reedley College

Madera Community College Center
Reedley College

Oakhurst Community College Center
Reedley College

Frequently Called Phone Numbers at Reedley College

(Area code 559)

Main Switchboard	638-0300
Admissions and Records	638-0323
Agriculture & Natural Resources Department Division Office	637-2528
Assessment Center	638-0366
Athletic Director	637-2594
Business Department Division Office	637-2528
Business Services Office	638-0342
Bookstore	638-0334
Cafeteria	638-0321
CalWORKs	637-2504
Career Resource Center	637-2543
Child Development Center	638-0350
College Activities	638-0397
College Relations	638-0311
Composition, Literature, & Reading Department Division Office	638-0306
Counseling	638-0337
Dental Assisting	638-0370
Disabled Students Programs & Services	638-0332
District Police	244-5911
Financial Aid	638-0312
Fine Arts & Social Sciences Department Division Office	638-0306
Foundation	244-5991
Health Sciences Department Division Office	637-2531
Health Services	638-0328
Industrial Technology Department Division Office	637-2528
Library	638-0352
Marketing and Communications Office	638-0322
Math, Computer Science, & Engineering Department Division Office	637-2531
Communication, ESL, & World Languages Department Division Office	638-0306
Records Office	638-0323
Registration	638-0323
Residence Hall	638-0349
Scholarship Information	638-0312
Science & Geology Department Division Office	637-2531
Transcripts	638-0323
Tutorial Center	638-0358
Veterans Office	638-0312

REEDLEY COLLEGE

Madera Community College Center • Oakhurst Community College Center

2019 - 2020 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 2019 semester and ends with the Summer 2020 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 of Community and Junior Colleges, Western Association of Schools and Colleges (www.accjc.org).

In addition, some Reedley College Programs have specialized Accreditations and/or Licensures. These programs are listed below:

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
Licensed Vocational Nursing (LVN)	Board of Vocational Nursing and Psychiatric Technicians http://www.bvnpt.ca.gov	Current
Licensed Vocational Nursing (LVN) to Registered Nurse (RN)	California Board of Registered Nursing http://www.rn.ca.gov	Current
Speech-Language Pathology Assistant	Department of Consumers Affairs, Speech-Language Pathology & Audiology & Hearing Aid Dispensers Board	Current

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Introduction

Mission

Reedley College motivates and empowers students to be successful by providing high-quality, innovative educational opportunities. We inspire a passion for learning to meet the academic and workforce goals of our diverse communities. Our associate degree programs, career technical education, transfer level, and basic skills courses are offered in an accessible and safe learning environment.

STUDENT SUCCESS

We are committed to students' intellectual empowerment and the development of critical thinking. We are committed to support our students in their pursuit of individual academic, career, and personal goals.

INTEGRITY

We are accountable and transparent, and we adhere to the highest professional standards. (from district strategic plan)

STEWARDSHIP

We are committed to the enhancement, preservation, conservation, and effective utilization of our resources. (from district strategic plan)

INCLUSIVITY

We are committed to and intentional in creating an environment that cultivates, embraces and celebrates diversity.
(from district strategic plan)

COLLABORATION

We are committed to fostering a spirit of teamwork with our students, faculty, classified professionals, and administrators while expanding our partnerships with education, industry, and our communities.

Vision

As an exemplary educational institution, Reedley College cultivates professional, well prepared individuals who will enrich our ever changing local, regional, and global communities.

Wildly Important Goal

In spring 2014, the college (including faculty, classified staff and administrators) came together to create a single sentence that summarizes what we do as a college. As a community, the college worked together to blend multiple initial statements into the following wildly important goal: "We motivate and inspire students to succeed."

Vision 2025

To focus the college on future possibilities and then to more closely connect planning and the attainment of those possibilities, in fall 2014, college faculty, classified staff and administrators convened to create a Vision for the college in the year 2025. These elements then informed the creation of the college's Educational Master Plan, covering the years 2015-2025. In order to make Reedley College a premier community college by 2025, the themes of Vision 2025 are:

1. providing excellence in instruction
2. leading in student success and completion
3. working toward the accreditation of Madera Community College
4. building and maintaining modern facilities
5. engaging in collaborative and integrated planning
6. establishing environments for community engagement and cultural activities

Institutional Learning Outcomes

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

COMMUNICATION SKILLS

- Interpret various types of written, visual, and verbal information.
- Organize ideas and communicate precisely and clearly to express complex thoughts both orally and in writing.

CRITICAL THINKING AND INFORMATION LITERACY

- Analyze quantitative information and apply scientific methodologies.
- Employ critical and creative modes of inquiry to solve problems, explore alternatives, and make decisions.
- Synthesize researched information obtained from accurate, credible, and relevant sources to support, advance, or rebut an opinion.

GLOBAL AND COMMUNITY LITERACY

- Analyze the fine arts, humanities, and social sciences from cultural, historic, and aesthetic perspectives.
- Apply historical and contemporary issues and events to civic and social responsibility.
- Demonstrate sensitive and respectful treatment of a variety of ethnic, religious, and socioeconomic backgrounds.

PERSONAL DEVELOPMENT

- Access current knowledge, skills, and abilities to further develop them and apply them to new situations.
- Incorporate physical and emotional principles to make healthy lifestyle choices.
- Make ethical personal and professional choices.

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 88 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 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. The program focuses on business with an agriculture and technology emphasis and is open to all students in the Kings Canyon Unified School District.

History of Reedley College's Centers

Reedley College operates centers located in Madera and Oakhurst.

Madera Community College Center

The Madera Community College Center has been in existence for over 20 years, initially operating at Madera High School. In August 1996 a dedicated site for the Madera Community College Center situated on 114 acres was opened. The original development comprises approximately 25 of the 114 acres. The Madera campus is located on Avenue 12 just east of Highway 99 at the edge of the City of Madera. The initial campus consisted of 24 relocatable classrooms and a permanent student services building, along with a relocatable classroom to house the Child Development Learning Center and child care-related programs.

A permanent 26,000-square-foot education and administrative building and utility/maintenance facility were completed for the 2000-01 school year. Funding from the 2001-02 State Budget Act funded the Academic Village Complex completed in January 2004. The 50,000 square feet of classroom, laboratory, and office space includes academic classrooms and offices, as well as components and laboratory space for biology, physical science, chemistry, computer studies, business, art, and a Licensed Vocational Nursing Program. The project also provided funding to retrofit the educational/administrative building to house the library, student services and administrative offices.

As a result of funding from the local bond and business donations, a full-service physical education program and facilities have been completed, including a fitness center, aerobic center, and softball field complex. The Center for Advanced Manufacturing facility opened in 2009 and offers educational programs that include maintenance mechanic and welding.

The Madera Community College Center serves 2,600 students, generating a full-time equivalency of approximately 1,300 students per year. The Center offers a wide variety of academic and occupational programs and opportunities for students. Utilizing services and course catalogs from its sister institution, Reedley College, the Madera Community College Center offers over 360 courses each year in 38 areas of study and gives students a choice of transfer, Associate Degree, Associate Degrees for Transfer, Certificates of Achievement, and Certificates. The first cohort of the Licensed Vocational Nursing Program completed the 18-month Certificate program in May 2004. A 12 month LVN-RN program is also approved at the Madera Community College Center.

It is anticipated that the Madera area will continue to be one of the fastest growing population centers in the Central Valley and will, therefore, continue with its facilities expansion and student growth.

Oakhurst Community College Center

The Oakhurst Community College Center, serving 500 students and generating a full-time equivalency of approximately 250 students per year, was established as a result of Legislative Mandate (Senate Bill 1607). In Fall 1996, the campus relocated from Yosemite High School to its current location in the Central Business District of Oakhurst. In April 1999 the District acquired the 2.7 acres housing the Oakhurst Community College Center campus. The 120 academic and occupational education courses are taught annually in nine relocatable classrooms, including a science lab and a computer lab, arranged into a small campus setting. One of the classrooms is part of a collaborative project serving both Madera Community College Center classes and Madera County governmental events and was funded through a San Joaquin Valley Unified Air Pollution Control District grant to Madera County.

Included within the Center are two Distance Learning classrooms which allow connectivity to sister campuses at Clovis, Madera, Reedley, and Fresno. Students can complete their general education, Associate Degrees and transfer courses at the Oakhurst Center. Two additional classrooms were completed in 2008.

Eastern Madera County is a rapidly expanding area with a current population of approximately 30,000. It is anticipated the Center will continue to grow to meet the needs of this ever-expanding community.

The District

Reedley College is one of three 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 Center, 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

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 2014, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a three year period. Their completion and transfer rates are listed below. These rates do not represent the success rates of the entire student population at Reedley College, nor do they account for student outcomes occurring after this three-year tracking period. Based upon the cohort defined above, 24.34% attained a certificate or degree or became "transfer prepared" during a three year period, from Fall 2014 to Spring 2017.

Students who are "transfer-prepared" have completed 60 transferable units with a GPA of 2.0 or better.

Based on the cohort defined above, 8.94% 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 2015 to Spring 2017. The CCCCO website is http://extranet.cccco.edu/Divisions/TechResearchInfoSys/MIS.aspx.

Academic Calendar

Fall Semester 2019

DATE	EVENT
August 12	Instruction begins
September 2	Labor Day Holiday (Campus Closed)
October 11	Last day to withdraw from college or to be dropped from 18-week classes
November 11	Veterans Day Holiday (observed) (Campus Closed)
November 28-29	Thanksgiving Day Holidays (Campus Closed)
December 13	Last day for degree and certificate of achievement candidates to file application for December 2019 completion date
December 9-13	Final examinations
December 13	End of Fall Semester 2019
December 16-January 3	Winter recess

Spring Semester 2020

DATE	EVENT
January 13	Instruction begins
January 20	Martin Luther King, Jr. Day Holiday (Campus Closed)
February 14	Lincoln's Day Holiday (Campus Closed)
February 17	Washington's Day Holiday (Campus Closed)
March 13	Last day to withdraw from college or to be dropped from 18-week classes
March 13	Last day for degree and certificate of achievement candidates to file application for May 2020 completion date
April 6-10	Spring recess (Classes reconvene April 13)
May 18-22	Final examinations
May 22	End of Spring Semester 2020
May 22	Graduation exercises

Summer Semester 2020

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 26	Instruction begins for 4- and 10-week classes
May 25	Memorial Day Holiday (Campus Closed)
June 8	Instruction begins for 8-week classes
June 19	Final examinations; end of 4-week classes
June 22	Instruction begins for 6-week classes
July 3	Independence Day Holiday (observed) (Campus Closed)
July 31	Final examinations; end of 6-, 8-, and 10-week classes
July 31	Final examinations; end of 8-week classes. Last day for degree and certificate of achievement candidates to file application for August 2020 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).

PROVISIONAL ADMISSION

A person who is 18 years of age or older and is not a high school graduate is considered a provisional student. A provisional student may register for 12 semester units or more for one semester, with the stipulation that in order to enroll for subsequent semesters as a full-time student, he/she must earn a 1.75 GPA in the units attempted. This regulation does not apply to part-time students.

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 and current measles immunization. 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.

Health insurance claims must be initiated at the Admissions and Records Office in the Student Services Building.

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 638-0337 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 on-line at www.reedleycollege.edu for greatest convenience. Applications are also available from the Admissions Office at any college or center within SCCCD, or from the counseling office at your local high school.

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 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 he/she would like to attend.

Residency

By law, every student must file a statement declaring his/her 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. (California Education Code 76160 Rev. 83).

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. If the student does not have health and accident insurance, he/she may sign up and pay for such a policy in the office of the Vice President of Student Services.

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 a nonimmigrant alien, who meets all of the following requirements, shall be exempt from paying nonresident tuition at all public colleges and universities in California:

- Requirements:
  - The student must have attended a high school (public or private) in California for three or more years;
  - 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 receive a completion certificate);
  - An alien student who is without lawful immigration status must file an affidavit with the college or university stating that he or she has filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so.
- Students who are non-immigrants [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."
- AB540 does not provide student financial aid eligibility for undocumented alien students. These students remain ineligible for state and federal financial aid.

Matriculation

Reedley College strives to make students aware of the varied educational programs that are offered and to provide smooth access to these programs. Once enrolled, the college provides many services to ensure success.

All new first-time college students may choose to matriculate. 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 Admissions and Records Office.

- **ACTIVATE YOUR WEBADVISOR AND SCHOOL EMAIL ACCOUNTS**
  Activate your WebAdvisor Student Account at www.reedleycollege.edu > "My Portal" or "Quick Links" > WebAdvisor. 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.

- **COUNSELING and ADVISEMENT**
  Meet with a college counselor. A Reedley College counselor can help take the guess-work out of selecting classes and will help you plan your educational path. Make an appointment online at www.reedleycollege.edu/counseling-appointment.

- **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 WebAdvisor.

- **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

Based on Education Code section 58108, students will be assigned registration priority in the order listed below:

1. Legally Mandated: Students who have completed orientation, assessment, developed student education plans, not on academic or progress probation for two consecutive terms as defined in these policies and procedures, are in good academic standing, who do not exceed 90 SCCCD degree applicable units and are: eligible as a member of the armed forces or a veteran pursuant to Education Code section 66025.8; a foster youth or former foster youth pursuant to Education Code section 66025.9; eligible and receiving services through California Work Opportunity and Responsibility to Kids (CalWORKs), Disabled Student Programs and Services (DSP&S) or Extended Opportunity Programs and Services (EOPS). Additionally, according to state regulation, the district shall not deny a foster youth or former foster youth priority registration for enrollment for failing to meet minimum academic standards or for exceeding 90 units.
2. Continuing students, not on academic or progress probation for two consecutive terms, that do not exceed 90 SCCCD degree applicable units and developed a student education plan, as defined in these policies and procedures. Beginning summer/fall 2016, priority registration for continuing students will require orientation, assessment, and student education plan.
3. First time students who have completed the college orientation, assessment, and developed student education plans.

CONCURRENT COLLEGE ENROLLMENT

Students planning to attend Reedley College and another college (not in the SCCCD) at the same time are required to obtain a "Concurrent Enrollment Authorization" form from the college where the major number of units will be taken.

Forms are available at the Admissions and Records Office in the Student Services Building for students who will be taking the majority of units at Reedley College.

Other colleges and sites in the SCCCD offer courses and programs not available at Reedley College. Students may attend both colleges concurrently without following the procedure described above.

Students may contact their counselors for more specific information on procedures to be followed.

INTRA-DISTRICT TRANSFER

Reedley College 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

NOTE: 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 he/she registers 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	$311
International Student Tuition	$311
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 $20 for each semester (fall and spring terms) and $17 for the summer term. For off-campus and online classes students are required to pay an $12 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 Center, 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 at the following locations and online: Reedley College, Business Services Office and Madera Community College Center/Oakhurst Community College Center, Admissions and Records Offices. 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/parking-and-traffic-policy.

TRANSCRIPT FEE*

Requests for transcripts of courses taken at Reedley College or 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. Payments are accepted online, www.reedleycollege.edu/transcripts. Payments must be received before the request will be processed. Should you wish to expedite the transcript processing, you may pay by money order or credit card. Cash is accepted at the Cashier's Window. Payments are accepted online at www.reedleycollege.edu, Admissions & Aid, Order Transcripts. Please do not mail cash with transcript request. Transcripts will not be provided if the student has a "hold" on their account.

Normally, transcripts are available within five working days except during periods which involve holidays or at the end of each semester. At those times, students should allow 10 to 20 working days for processing. When requesting transcripts by mail, address the request to the Admissions and Records Office. Transcripts from other institutions become a part of the student's permanent file and are not duplicated and forwarded with the Reedley College transcript.

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) 638-0300 ext. 3408 or the Madera Community College Center Office at (559) 675-4800.

REEDLEY COLLEGE ASSOCIATED STUDENT GOVERNMENT REPRESENTATION FEE*

A student representative fee of $1.00 is charged each semester, excluding summer sessions, to all students taking classes at Reedley College, Fresno City College, and Clovis Community College, including the community campus locations. The fee is charged at each location a student attends, so students attending all three locations would be charged a total of $3.00. This fee is used for student advocacy at the local, state, and national levels. A waiver of this fee can be obtained for religious, political, moral, or financial reasons. Waiver forms can be obtained in the Business Services Office.* For more information, contact the Reedley College Associated Student Government at (559) 638-0397.

**The form must be turned in prior to the start of each semester.*

CREDIT BY EXAM FEE

Application for Credit by Examination is available in the Admissions 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 Services Office, no later than the end of the ninth week of the semester in the amount of $10 for the first unit plus $5 for each additional unit for each course on credit by examination (i.e. credit by exam for a 4.0 unit class would be $25 plus the $46 per unit enrollment fee* for a total of $209. If California residency has not been established, non-resident tuition fees will also be added). The receipt for payment must be presented to the instructor before the exam will be administered. Financial Aid is NOT available including the California College Promise Fee Waiver.

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 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 his 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.

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) 638-0328. 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
X	Completion of non-credit class	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 48 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:

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 B1 requirement or the CSU's state and local government requirement. It does satisfy CSU's national government requirement.

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.

COOPERATIVE WORK EXPERIENCE

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

Advanced Placement Exams (AP)

AP Examination/Subject Area	Reedley College Minimum Score	Reedley College Equivalent Course	Reedley College GE Area	CSU GE Area (GE units)	IGETC Area (GE units/Total semester units)
ART: ART HISTORY	3	ART 5 or ART 6	C: Humanities (3)	C1 or C2 (3)	3A or 3B (3/5.3)
BIOLOGY	3	BIOL 10 & 10L	A: Natural Sciences (4)	B2 & B3 (4)	5B & 5C (4/5.3)
*CALCULUS AB	3	MATH 5A	Math Competency (5)	B4 (3)	2A (3/2.7)
*CALCULUS BC	3	MATH 5A, 5B	Math Competency (5, 4)	B4 (3)	2A (3/5.3) 5.3 max credit for both Math AB and Math BC exams
*CALCULUS BC/AB Subscore	3	MATH 5A	Math Competency (5)	B4 (3)	2A (3/2.7) 2.7 max credit for both Math AB and Math AB Subscore
CHEMISTRY	3	CHEM 3A	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (4/5.3)
CHINESE LANGUAGE and CULTURE	3	N/A	C: Humanities	C2 (3)	3B & 6 (3/5.3)
COMPARATIVE GOVERNMENT and POLITICS	3	N/A	B2: Other Social/ Behavioral Sciences (3)	D (3)	4 (3/2.7)
*COMPUTER SCIENCE A	3	N/A	Elective (3)	N/A (0)	N/A (0/5.3) 1.3 max credit for exam taken prior to Fall 2018
*COMPUTER SCIENCE PRINCIPLES	3	N/A	Elective (3)	B4 (3) Only one calculus or computer science exam may be applied to the baccalaureate	N/A (0/5.3)
ECONOMICS: MACROECONOMICS	3	ECON 1A	B2:Other Social/ Behavioral Sciences (3)	D(3)	4 (3/2.7)
ECONOMICS: MICROECONOMICS	3	ECON 1B	B2:Other Social/ Behavioral Sciences (3)	D(3)	4 (3/2.7
ENGLISH LANGUAGE/ COMPOSITION	3	ENGL 1A	D1: Language and Rationality, English Composition (4)	A2 (3)	1A (3/5.3) 5.3 unit max for both English exams
ENGLISH LITERATURE/ COMPOSITION	3	ENGL 1A or 1B	D1: Language and Rationality, English Composition or C: Humanities (3)	A2 & C2 (6)	1A or 3B (3/5.3) 5.3 unit max for both English exams
ENVIRONMENTAL SCIENCE	3	N/A	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (3/2.7)
FRENCH LANGUAGE and CULTURE	3, 4, 5	FRENCH 2; FRENCH 3; FRENCH 3, 4	C: Humanities (4, 4, 8)	C2 (3)	3B & 6 (3/5.3)
GERMAN LANGUAGE and CULTURE	3, 4, 5	GERMAN 2; GERMAN 3; GERMAN 3, 4	C: Humanities (4, 4, 8)	C2 (3)	3B & 6 (3/5.3)
HISTORY, EUROPEAN	3	HIST 1, HIST 2	B2: Other Social/ Behavioral Sciences or C: Humanities (3,3)	C2 or D(3)	3B or 4 (3/5.3)

HISTORY, U.S.	3	HIST 11, HIST 12	B2: Other Social/ Behavioral Sciences or C: Humanities (3, 3))	C2 or D & U.S.-1 (3)	3B or 4 & US-1 (3/5.3)
HISTORY, WORLD	3	HIST 20	B2: Other Social/ Behavioral Sciences (3) or C: Humanities (3)	C2 or D (3)	3B or 4 (3/5.3)
HUMAN GEOGRAPHY	3	N/A	B2: Other Social/ Behavioral Sciences (3)	D (3)	4 (3/2.7)
ITALIAN LANGUAGE and CULTURE	3	N/A	C: Humanities (3)	C2 (3)	3B & 6 (3/5.3)
JAPANESE LANGUAGE and CULTURE	3	N/A	C: Humanities (3)	C2 (3)	3B & 6 (3/5.3)
LATIN	3	N/A	C: Humanities (3)	C2 (3)	3B & 6 (3/5.3)
MUSIC THEORY	3	MUS 1A, MUS 1B	C: Humanities (3, 3)	C1 (3/6)	N/A (0/5.3)
*PHYSICS 1	3	PHYS 2A	A: Natural Sciences (4)	B1 & B3 (4))	5A & 5C (4/5.3) Physics B replaced by Physics 1 & 2- 2015)
*PHYSICS 2	3	PHYSICS 2B (score of 4 needed)	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (4/5.3)
*PHYSICS C MECHANICS	3	N/A	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (3/2.7)
*PHYSICS C, ELECTRICITY/ MAGNETISM	3	N/A	A: Natural Sciences (4)	B1 & B3 (4)	5A & 5C (3/2.7)
PSYCHOLOGY	3	PSY 2	B2: Other Social/ Behavioral Sciences (3) & Physical & Mental Wellness	D (3)	4 (3/2.7)
SPANISH LANGUAGE and CULTURE	3, 4, 5	SPAN 2; SPAN 3; SPAN 3, 4	C: Humanities (4, 4, 8)	C2 (3)	3B & 6 (3/5.3)
SPANISH LITERATURE and CULTURE	3	N/A	C: Humanities (3)	C2 (3)	3B & 6 (3/5.3)
STATISTICS	3	MATH 11 or STAT 7	Math Competency (4)	B4 (3)	2A (3/2.7)
STUDIO ART – 2D DESIGN	3	N/A	Elective (3)	N/A (0)	N/A (0/5.3) 5.3 unit max for all three studio art exams
STUDIO ART – 3D DESIGN	3	N/A	Elective (3)	N/A (0)	N/A (0/5.3)
STUDIO ART – DRAWING	3	ART 7	C: Humanities (3)	N/A (0)	N/A (0/5.3)
U.S. GOVERNMENT & POLITICS	3	N/A	B2: Other Social/ Behavioral Sciences (3)	D & US-2 (3)	4 & US-2 (3/2.7)
* If a student passes more than one AP exam in Physics, only four units of credit may be applied to CSUGE Breadth certification, three units may be applied to IGETC certification, and a maximum of 5.3 of credit may be applied toward UC transfer.	* If a student passes more than one AP exam in calculus or computer science, only one examination may be applied to the CSU baccalaureate.	Satisfaction of specific major requirements is granted by the CSU and UC campus. Consult with a counselor for complete information on AP credit.			

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 he/she applies 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.

Units earned from credit-by-exam courses are not counted for financial aid or veterans' benefits eligibility. No financial aid of any kind is available for credit by exam.

An appropriate fee, see page 18 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 Health Science 2 (First Aid and Safety) or 3 units of credit in 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 his/her 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) by obtaining, completing and filing a withdrawal form from/with the Admissions and Records Office. The student may also mail a signed letter of request postmarked by the 50% point to completely withdraw from his/her 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 his/her 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 his/her designee. (California Code of Regulations, Title 5, Section 55024).

Petitions for withdrawals due to extenuating circumstances are available from the Admissions and Records Office.

- The extenuating circumstances must be fully documented and verified when appropriate. Petitions for medical withdrawals must be processed through the Health Services Office.
- The student must file his/her petition to withdraw due to extenuating circumstances no later than the end of the semester in which he/she wishes to withdraw.
- The student must petition to withdraw from all classes she/he is 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.

PROGRESS REPORT

For semester length courses a Progress Report will be issued during the 7th and 8th week for students who are not making satisfactory progress (D or F grades and poor attendance). The counseling department may notify students who are not making satisfactory progress.

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 WebAdvisor (www.reedleycollege.edu). Final grade reports are mailed only by request to the student's address. 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.

ALLEVIATION BY REPETITION OF A COURSE FOR A BETTER GRADE

For the benefit of a better grade, students may repeat college courses in which they have received grades of D, F or NC/NP by re-enrolling in the courses. Students may repeat courses in this way for a total of three attempts. 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 (e.g., associate degree or certificate program within the district).
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. 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

PROBATION

Both the quality of a student's academic performance, as measured by the grade point average (GPA), and the student's progress, as measured by comparing the number of units completed with the number of units attempted, are monitored to determine a student's status. A student who is below the minimum standard will be placed on probation for academic or progress performance.

A student becomes subject to probation when the student has enrolled in 12 or more semester units, even if the student later withdraws from any or all of these units. At the point the student becomes subject to the probationary rules, all previous units attempted will be considered in determining the student's status.

PLACEMENT ON PROGRESS PROBATION
A student shall be placed on progress probation when the number of units for which entries of "W", "I", and "NP" are recorded reaches or exceeds fifty percent (50%) of all units attempted.

REMOVAL FROM PROGRESS PROBATION
A student on progress probation shall be removed from probation when the percentage of units in this category drops below fifty percent (50%) of all units attempted.

PLACEMENT ON ACADEMIC PROBATION
A student shall be placed on academic probation when the cumulative (GPA) falls below 2.0 ("C") in all graded units.

REMOVAL FROM ACADEMIC PROBATION
A student shall be removed from academic probation when the student's cumulative (GPA) becomes 2.0 ("C") or better.

COUNSELING FOR PROBATIONARY STUDENTS
Each student on probation will be provided counseling and guidance service, including regulation of the student's enrollment, according to individual aptitude and achievement.

ACADEMIC/PROGRESS DISMISSAL
A student shall be dismissed for one semester, exclusive of summer session, if, during each of three consecutive semesters, the student's performance falls under one or the combination of the following two conditions:

- a. The student's cumulative (GPA) is 2.0 or less.
- b. The percentage of units in which the student has been enrolled for which entries of "W," "I" and "NP" are recorded reaches or exceeds fifty percent (50%) of all units attempted.

A dismissed student may attend summer session(s), and, by doing so, have the opportunity to improve his/her academic standing. A dismissed student who wishes to attend summer session(s) must see a counselor for appropriate summer session course planning and must have the counselor's approval of the student's course enrollment plans before the student may enroll in any summer session course(s).

APPEAL OF ACADEMIC OR PROGRESS DISMISSAL
Following successful appeal, a student dismissed after academic or progress probation due to verified extenuating circumstances may be reinstated, and the mandatory dismissal period of one semester shall be waived.

EXCEPTIONS
A student on academic probation may not be dismissed after the third consecutive semester of unsatisfactory work (cumulative GPA below 2.0) if, during that third semester and every subsequent semester, the student maintains a 2.0 GPA until the cumulative GPA is above the probationary level. A student on progress probation will not be dismissed after the third semester of unsatisfactory work if, during that third semester and every subsequent semester, the student completes more than 50% of the attempted units until the percentage of units successfully completed is above the probationary level.

READMISSION FOLLOWING ACADEMIC/ PROGRESS DISMISSAL
Following a student's first dismissal, he/she will not be enrolled at a district college for the entire subsequent semester, excluding the summer sessions.

A student who has been dismissed because of the district's academic or progress dismissal policy must petition for readmission. The dismissed student must complete the readmission petition at the College or Center he/she plans to attend. Petitions are available at the College/Center Admissions and Records Office.

If a readmitted student fails to complete more than fifty percent (50%) of all units attempted and fails to maintain a semester GPA of at least 2.00 in all completed courses of the first semester of readmission following his/her initial dismissal, the student will be dismissed again. This second dismissal will be for a period of one year, excluding summer sessions. After this dismissal period of one year, a student may again petition for readmission.

A student readmitted after the second dismissal who fails to meet these same academic and progress standards during the first semester of readmission will be dismissed again. This third dismissal will be for a period of two years. After this dismissal period of two years, a dismissed student may again petition for readmission.

The dismissed student's petition for readmission requires the dismissed student to address the academic and/or progress deficiencies which led to dismissal from the college. It also includes an educational plan developed by a counselor in consultation with the dismissed student. The petitioning student must sign the readmission petition to acknowledge this educational plan he/she needs to complete to remain in college. Unit limitations and course selection for readmitted students will be determined by a counselor. Upon approval by the college counselor reviewing the petition, a dismissed student may be readmitted to the college subject to the conditions specified in this section.

A student readmitted after any period of dismissal will be readmitted on academic and/or progress probation and, unless dismissed again, will continue on academic and/or progress probation until he/she has completed more than 50% of all units attempted and his/her cumulative grade point average is 2.00 or higher.

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) 638-0300 ext. 3150 or e-mail emily.berg@reedleycollege.edu.
Advisor: Berg

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 enrolled at the Madera Community College Center and Oakhurst Community College Center also have an opportunity for membership in California Community Colleges' honor society. Students meeting eligibility criteria can join the chapter of Alpha Gamma Sigma known as Sigma Gamma.

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 18 units may be offered by disciplines/departments/divisions. A certificate may be awarded with a minimum of "C" average for finishing a course or courses leading to specific competencies.

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 will 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:

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.

REQUIREMENTS FOR AA AND AS DEGREES

1. Sixty (60) units with at least 2.0 ("C") grade point average in all courses applicable to the associate degree.
2. Residence requirements:
   (a) A minimum of twelve (12) degree-applicable units satisfactorily completed in residence at district colleges or centers, with attendance during the last semester prior to graduation,or
   (b) A total of forty-five (45) degree-applicable units satisfactorily completed in residence at district colleges or centers if not in attendance during the last semester prior to graduation.
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 writing, demonstrated by completion of English 1A or English 1AH with a grade of 2.0, "C," or better.
5. Competence in Reading and Writing, demonstrated by completion of English 1A or 1AH with a grade "C" or better.
6. Competence in oral communication, demonstrated by the completion of Communication 1, 1H, 2, 4, 8, or 25 with a grade of 2.0, "C," or better. (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.)

7. Competence in mathematics, demonstrated by completion with a grade of 2.0, "C," or better in one of the following classes: Mathematics 103 or any more advanced mathematics class, Business Administration 39, Plant Science 9, Psychology 42, or Statistics 7.
8. Familiarity with computer concepts and computer use, demonstrated by completing with a grade of "C" (2.0) or better in one of the following:
   (a) Agriculture Business 4, Aviation Maintenance Technology 11L; Art 30A, 30B, 33, 37A, 37B, 38; Business Administration 48; Computer Science 1, 5, 26, 40; Engineering 2, 40; Information Systems 15; Library Skills 2; Natural Resources 3; Office Technology 1; or
   (b) a college examination of computer familiarity.
9. Awareness of lifetime physical and mental wellness, demonstrated by completion of one of the following: Child Development 5, 38, 39; Counseling 53; Foods and Nutrition 35; Health 1; Psychology 2, 2H, 16, 25, 38; or Sociology 32.
10. 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 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.
11. 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. (The course used to fulfill this requirement may also be used to satisfy area B, Part 1, below, of the general education requirement in social and behavioral sciences.)
12. A minimum of eighteen (18) units in general education, including at least three (3) units in each of areas (A), (B), and (C), and 4 units area (D.1) and 3 units in area (D.2).

- A. Natural Sciences
- B. Social and Behavioral Sciences
  1) POLSCI 2, 2H or 110 (The course used to fulfill this requirement may also be used to satisfy degree requirement 11, American institutions, above.)
  2) Other Social and Behavioral Sciences
- C. Humanities
- D. Language and Rationality:
  1) Composition (The course used to fulfill this general education area requirement may also be used to satisfy degree requirement 4, competence in writing.)
  2) Communication/Analytical Thinking (The course (except philosophy 6) used to fulfill this general education area requirement may also be used to satisfy degree requirement 6, competence in oral communication.)

GENERAL EDUCATION FOR THE ASSOCIATE DEGREE:

A minimum of 18 units in general education is required for graduation from Reedley College.

Select at least one (1) course and not fewer than three (3) units in each of the areas (A), (B), and (C), four (4) units (D.1), and three (3) units in area (D.2).

AREA A - NATURAL SCIENCES (3 UNITS)

Animal Science 1, 5;
Astronomy 10, 20;
Aviation Maintenance Technology 21;
Biology 1, 2, 5, 10, 10H, 10L, 11A, 11B, 20, 22;
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; 27;
Plant Science 1, 2, 4A, 5, 7, 10; 18;
Science 1A

AREA B - SOCIAL AND BEHAVIORAL SCIENCES (6 UNITS)

(B.1 = 3 units; B.2 = 3 units)

1. Government and Constitution (3 units)
   Political Science 2, 2H, 110
2. Other Social and Behavioral Sciences (3 units)
   Agriculture Business 2;
   Anthropology 1, 2, 3;
   Business Administration 30, 33;
   Child Development 38, 39;
   Criminology 5;
   Economics 1A, 1B;
   Ethnic Studies 5, 32;
   Geography 6;
   History 1, 2, 5, 11, 12, 12H, 20, 22, 32;
   Human Services 20;
   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, 33, 36A, 38A;
Chinese 1, 2;
Communication 12;
English 1B, 1BH, 15A, 15B, 15E, 36, 41, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49;
Film 1, 2A, 2B;
French 1, 2, 3, 4;
German 1, 2, 3, 4;
Linguistics 10, 11;
Music 1A, 1B, 3, 12, 12H, 16, 26;
Philosophy 1, 1C, 1CH, 1D;
Photography 1;
Spanish 1, 2, 3, 3NS, 4, 4NS, 5

AREA D - LANGUAGE AND RATIONALITY (7 UNITS)

D.1 = 4 units; D.2 = 3 units

1. English Composition (4 units)
   English 1A, 1AH
2. 2. Communication/Analytical Thinking (3 units)
   Communication 1, 1H, 2, 4, 8, 25;
   Mathematics 10A, 10B;
   Philosophy 6;
   Sociology 1B

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. No student is a candidate for graduation until the application is completed. 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 two months after fulfilling graduation requirements.

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 form 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 2019-2020

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, 2, 4, 8, 25
- **Area A2: Written Communication**
  English 1A, 1AH
- **Area A3: Critical Thinking**
  Communication 25
  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), 20(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 1(L), 2(L), 5(L), 10, 11A(L), 11B(L), 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 10(L)
  Chemistry 9, 29A, 29B
  Plant Science 1L, 2L
- **Area B4: Mathematics/Quantitative Reasoning**
  Business Administration 39
  Computer Science 26
  Mathematics 3A, 4A, 4B, 5A, 5B, 6, 10A, 10B, 11, 11C, 17, 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
  Communication 12
  Film 1, 2A, 2B
  Music 12, 12H, 16
  Photography 1
- **Area C2: Humanities**
  American Sign Language 1, 2, 3, 4, 5
  Chinese 1, 2
  English 1B, 1BH, 36, 43A, 43B, 44A, 44B, 46A, 46B,47, 49
  English as a Second Language 15
  Film 2A, 2B
  French 1, 2, 3, 4
  German 1, 2, 3, 4
  History 1, 2, 11, 12, 12H, 20, 22
  Linguistics 10
  Philosophy 1, 1C, 1CH, 1D, 3A
  Spanish 1, 2, 3, 3NS, 4, 4NS, 5, 15, 16

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

Nine semester units minimum from at least two disciplines.

- **Area D0-D9: Social and Behavioral Sciences**
  Agriculture Business 2
  Anthropology 1, 2, 3
  Child Development 30, 38, 39
  Communication 10
  Criminology 5, 13, 14
  Economics 1A, 1B
  Ethnic Studies 5, 32
  Geography 6
  History 1, 2, 5, 11, 12, 12H, 20, 22, 32
  Human Services 20
  Journalism 1
  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.

Child Development 38, 39
Counseling 53
Foods and Nutrition 35
Health 1
Psychology 2, 2H, 25, 38
Sociology 1A, 32

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 Web site, 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.

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 2019-2020

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

Accounting (ACCTG) 4A, 4B
Agriculture Business (AGBS) 1, 2, 4
American Sign Language (ASL) 1, 2, 3, 4, 5, 6
Animal Science (AS) 1, 2, 3, 4, 6, 21, 22, 25, 26
Anthropology (ANTHRO) 1, 2, 3
Art (ART) 2, 3, 4, 5, 6, 6H, 7, 9, 10, 13, 17, 19, 20, 23, 30A, 30B, 33, 36A, 37A, 37B, 38, 38A, 41, 42, 44
Astronomy 10, 20
Biology (BIOL) 1, 2, 5, 10, 10L, 11A, 11B, 20, 22, 31
Business Administration (BA) 10, 18, 30, 39
Chemistry (CHEM) 1A, 1B, 3A, 3B, 8, 9, 10, 28A, 28B, 29A, 29B
Child Development (CHDEV) 1, 15, 30, 38, 39
Chinese 1, 2
Communication (COMM) 1, 1H, 2, 4, 8, 10, 25
Computer Science (CSCI) 1, 5, 26, 40, 41, 45
Counseling (COUN) 53
Criminology (CRIM) 1, 5, 6, 13, 14
Dance 9, 10, 14, 15, 28
Economics (ECON) 1A, 1B
Education (EDUC) 10
Engineering (ENGR) 2, 4, 4L, 6, 8, 10, 40
English (ENGL) 1A, 1AH, 1B, 1BH, 2, 2H, 3, 3H, 15A, 15B, 15E, 15F, 36, 41, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49
Environmental Horticulture (EH) 30
Ethnic Studies (ETHNST) 5, 32
Film (FILM) 1, 2A, 2B, 5
Foods and Nutrition (FN) 35, 40
French (FRENCH) 1, 2, 3, 4
Geography (GEOG) 5, 6, 9, 10
Geology (GEOL) 1, 2, 9, 10
German (GERMAN) 1, 2, 3, 4
Health Science (HLTH) 1, 2
History (HIST) 1, 2, 5, 11, 12, 12H, 20, 22, 32
Human Services (HS) 20
Information Systems (IS) 15, 31, 33, 47, 50A, 50B
Journalism (JOURN) 1
Kinesiology (KINES) 20, 22
Library Skills (LBSKL) 1
Linguistics (LING) 10, 11
Math (MATH) 3A, 4B, 5A, 5B, 6, 10A, 10B, 11, 11C, 17, 45
Music (MUS) 1A, 1B, 2A, 2B, 3, 7A, 7B, 7C, 7D, 12, 16, 18, 20, 21, 22, 24, 26, 27, 28, 31, 33, 38, 40, 41, 42, 43, 45
Natural Resources (NR) 4, 6, 7
Philosophy (PHIL) 1, 1C, 1CH, 1D, 2, 4, 6
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, 34A, 34B, 34C, 35B, 36B, 36C, 37A, 37B, 37C, 37D, 38A, 38B, 38C, 39A, 39B, 39C, 40A, 40B, 40C, 43B, 43C, 45, 49, 49A, 71
Physics (PHYS) 2A, 2B, 4A, 4B, 4C, 27
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 web site, or www.assist.org.

Reedley College Intersegmental General Education Transfer Curricula (IGETC) 2019-2020

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**
  English 2, 3, 3H
  Philosophy 2
- **1C: Oral Communication** (CSU requirement only)
  Communication 1, 1H, 4, 8, 25

AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

One course required (three semester units minimum).

- **2A:**
  Business Administration 39
  Computer Science 26
  Math 3A, 4B, 5A, 5B, 6, 11, 11C, 17
  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
  Film 1, 2A, 2B
  Music 12, 16
- **3B: Humanities**
  American Sign Language 2, 3, 4, 5
  Chinese 2
  English 1B, 1BH, 43A, 43B, 44A, 44B, 46A, 46B, 47, 49
  Film 2A, 2B
  French 2, 3, 4
  German 2, 3, 4
  History 1, 2, 11, 12, 12H, 20, 22
  Linguistics 10
  Philosophy 1, 1C, 1CH, 1D
  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).

Anthropology 1, 2, 3
Child Development 30, 38, 39
Communication 10
Criminology 13, 14
Economics 1A, 1B
Ethnic Studies 5, 32
Geography 6
History 5, 11, 12, 12H, 22, 32
Human Services 20
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), 20(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 1(L), 2(L), 5(L), 10, 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 10(L),
  Chemistry 29A(L), 29B(L), 3B(L)
  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
Chinese 1, 2
French 1, 2, 3, 4
German 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 admissions.
- 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 his/her 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 he/she 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, he/she agrees 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 he/she 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 his/her own risk. He/she 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, he/she is 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) 638-0300, ext. 3217, or campus police, ext. 3330.

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 he or she was 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/Section 504/ADA Coordinator at Reedley College or at the Madera Community College Center or the Oakhurst Community College Center.

At Reedley College, grievance forms may be obtained at the Vice President of Student Services' office in the Student Services Building (559) 638-0300, ext. 3217.

Individuals seeking information and/or resolution of alleged acts of discrimination are directed to contact the Reedley College Vice President of Student Services at (559) 638-0300, ext. 3217.

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 Subchapter 1, Chapter 6, Division 6, Title 5 of the California Code of Regulations, commencing with Section 55000.

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 scccdpolice.com/parking-and-traffic-policy.

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: Vice President of Student Services and Title IX Officer/ Section 504/ADA Coordinator, in the Student Services Building, (559) 638-0300, ext. 3217. The Vice President of Student Services' office is located in the Reedley College Student Services Building 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 Section 504 and ADA Coordinator, in the Student Services Building, at (559) 638-0300, ext. 3217 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) 638-0300, ext. 3217. 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) 638-0300, ext. 3217, 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 Vice President of Student Services, 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, 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 Vice President of Student Services and Reedley College Title IX Officer and Section 504/ADA Coordinator at 995 N. Reed Ave., Reedley, CA 93654, (559) 638-0300, ext. 3217.

Change of Address or Telephone Number

Students who have a change of address or telephone number are required to officially notify the college by clicking "Update Address, Telephone" on WebAdvisor or by submitting an "Address Change" form at www.reedleycollege.edu.

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) 638-030, ext. 3358.

MATH CENTER

Located in the FEM building, room 1

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) 638-0300 ext. 3158.

READING & WRITING CENTER

Located in the HUM building, room 58

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 638-0300, 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 and Madera Community College Center Bookstores are 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 7:45 a.m. to 6:00 p.m. Monday through Thursday and 7:45 a.m. to 3:45 p.m. on Fridays. For Madera Community College Center, the store hours are Monday through Thursday, 7:45 a.m. to 6:00 p.m., closed on Fridays. During the first and second weeks of each semester, hours and days are extended. During summer schedules, Reedley College's Bookstores is open but on a shortened day schedule. The store is not open in the evening. The Madera Community College Center Bookstore is closed for the summer with exceptions for the first week of summer school and textbook buy back. Please refer to the bookstores' 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) 442-8261.

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) 638-0342, FAX (800) 643-1753

Cafeteria

The campus cafeteria provides appetizing food in pleasant surroundings to staff and students. Meals and snacks are available throughout the day. During the fall and spring semesters the cafeteria is open 7 a.m. to 6:30 p.m. Monday through Thursday, and Fridays 7 a.m. to 2 p.m. Summer hours will vary. For further information, call (559) 638-0300, ext. 3321, or (559) 638-0321.

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) 637-2504.

Child Care Center

REEDLEY COLLEGE

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 8:00 a.m. to 4:00 p.m. and Friday 8:00 am – 12:00 pm. For enrollment information contact April Barajas at (559) 638-0300, ext. 3237 or april.barajas@reedleycollege.edu.

MADERA COMMUNITY COLLEGE CENTER

Pre-school is available for children three to five years old, at a licensed child care facility located at the Madera Community College Center. Children who are completely potty trained (unless a special need exists), and not currently attending grade school, are eligible for enrollment as space permits. Interested parents are advised to apply early, prior to the start of any semester or summer session.

The Madera Community College Center Campus Child Development Learning Center is not only a pre-school program but is also a teaching, research and demonstration center that provides an opportunity for Child Development students to plan, prepare and teach in a classroom under the supervision of early childhood education instructors. The center has also received NAEYC Accreditation.

The Child Development Learning Center observes the semester schedule and is closed during school holidays. Regular hours for pre-school enrichment and full day programs are Monday through Friday, morning sessions 8:00 a.m. until 12:00 p.m. Afternoon sessions are from 12:00 p.m. until 4:00 p.m. Full day program hours are 8:00 a.m. to 4:00 p.m. Summer enrollment hours may vary. For enrollment information contact (559) 675-4800, ext. 4807.

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) 638-0300, ext. 3330.

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) 638-0337.

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 CSS-1. For more information, call (559) 638-0300.

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--employmentcenter.html and Student Employment: https://www.collegecentral.com/reedleycollege.

The Reedley College Career and Employment Center is located in CSS-1, Room 1. For more information, call (559) 637-2543.

The Career Transfer Center (CTC) is located at the Madera Community College Center in AM 141. For more information, call (559) 675-4882.

(The Student Success Center is located at the Oakhurst Community College Center in OC 8.)

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 8:00 a.m. to 5:00 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, Madera Community College Center, or Oakhurst Community College Center, contact Disabled Students Programs and Services at (559) 638-0332. The TTY phone number is (559) 638-0356.

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) 638-0332. The TTY phone number is (559) 638-0356.

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. The TTY phone number is (559) 638-0356.

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) 638-0332 ext. 3486.

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 aide and transfer tours. For more information, contact the SSS coordinator at (559) 638-0332, ext. 3532.

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) 638-0332.

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. The Madera Community College Center EOPS/NextUp/CARE office is located in building R2A. Office hours are Monday through Friday 8:00 a.m. to 4:00 p.m. For more information, please contact (559) 638-0340.

Financial Aid

FINANCIAL AID AND SCHOLARSHIPS

The college provides financial assistance to as many students as possible through scholarships, grants, loans and job opportunities. The following programs are available to qualified students:

- Federal PELL Grants
- Federal Work Study
- Federal Supplemental Educational Opportunity Grants
- Academic Competitive Grant
- Federal Direct Student Loans
- Boards of Governors Enrollment Fee Waiver
- Cal Grants
- Extended Opportunity Program and Services (EOPS)
- Bureau of Indian Affairs Scholarships
- Other Institutional and Noninstitutional Scholarships
- Student Support Service Grants

In order to be considered for financial aid, students must complete the Free Application for Federal Student Aid (FAFSA). For information on how to apply, visit the Reedley College Financial Aid website at http://www.reedleycollege.edu/financialaid.

The Financial Aid Office at the Madera Community College Center is located in room 161 in the Administration building, or you may call (559) 675-4800.

FEDERAL STUDENT LOAN WORKSHOP

Students must apply for financial aid by completing a FAFSA and be determined eligible for a student loan before signing up for a workshop. The Financial Aid Office announces the dates and times for Federal Student Loan Workshops at the beginning of each semester. Workshops are held at the main campus in Reedley for students attending the Reedley College campus. Students MUST PREREGISTER FOR THE WORKSHOPS. Contact the Reedley College Financial Aid Office for attendance requirements and other necessary information. If you are attending the Madera Community College Center or Oakhurst Community College Center, contact their Financial Aid Office for more information.

RETURN OF FEDERAL FINANCIAL AID BASED UPON TOTAL WITHDRAWAL

Students, who withdraw from all their classes within 60% of a semester, will be reviewed by the Financial Aid Office to determine if all or part of any federal financial aid received must be returned to the federal government.

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, transfer requirements, 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 all 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.

GAINFUL EMPLOYMENT

The US Department of Education requires colleges to disclose certain information for any financial aid eligible certificate program that "prepares students for gainful employment in a recognized occupation". This information includes program costs; occupations that the program prepares students to enter; occupational profiles; on time completion rate; and for the most recent award year: the number of students who have completed the program, the number of students who complete the program within the estimated duration, and the median Title IV and private loan debt incurred by those who complete the program. We have provided a helpful guide to critical information about certificates available on our website: www.reedleycollege.edu/gainfulemployment.

Ayuda Financiera

AYUDA FINANCIERA Y BECAS

Reedley College provee ayuda financiera al mayor número posible de estudiantes a través de becas, préstamos y oportunidades de trabajo. Los siguientes programas están disponibles a los estudiantes que califiquen:

- Beca Federal PELL
- Estudio de Trabajo Federal
- Beca Suplementaria Federal para la Oportunidad Educacional
- Préstamo Federal para Estudiantes
- Asistencia de Colegiatura
- Beca Cal (Cal Grant) 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

Para ser considerado para ayuda financiera, los estudiantes deben completar la solicitud gratuita para Ayuda Estudiantil Federal (FAFSA). Para obtener información sobre cómo aplicar, visite el sitio web de ayuda financiera de Reedley College en la página de internet http://www.reedleycollege.edu/financialaid.

PRESTAMOS FEDERALES PARA ESTUDIANTES

Los estudiantes deben solicitar ayuda financiera al completar la solicitud FAFSA y ser determinados elegible para un préstamo de estudiante antes de inscribirse en un taller. La Oficina de ayuda financiera anuncia las fechas y horas para talleres de préstamos estudiantiles al comienzo de cada año académico. Talleres se realizan en Reedley College.

AVANCE SATISFACTORIO DE 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 certificado, o transferible a una institución de 4 años.

Estudiantes deben mantener un promedio acumulado mínimo (GPA) de 2.0 y completar al menos el 67 porciento de unidades. 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 recibieron menos que el requisito mínimo de GPA o fallan en completar al menos el 67 por- ciento de las unidades intentadas, perderá su elegibilidad de ayuda financiera hasta restablecer el progreso satisfactorio.

Normas de progreso de ayuda financiera están separadas y aparte de las normas de progreso satisfactorio académico institucional debido a las regulaciones federales. Los estudiantes que están a prueba de progreso de ayuda financiera no son elegibles para solicitar un préstamo, incluso si son aún o elegibles para recibir asistencia de becas.

Si los estudiantes tuvieron una situación que los impidió de cumplir el año con buen rendimiento académico los estudiantes pueden 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 en que información ha sido previsto determinara el comité determinara re-integrado para recibir ayuda financiera.

Health Services

Health Services provides nursing assessment for ill or injured students. 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. The tuberculin skin test is 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) 638-0328 or email kelly.murguia@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 638-0300 ext. 3328.

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) 638-0300, ext. 3258.

Library - Learning Resources Center

REEDLEY COLLEGE

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) 638-0352 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.

MADERA COMMUNITY COLLEGE CENTER

The Madera Community College Center Library is located in AM-185 and offers a wide array of resources and services to students, faculty and staff. Fifty – six computers in the library and its computer lab are available for research activity, word processing, presentation software, and course specific software programs. The library collection offers over 5,000 print resources including books, magazines, journals, and newspapers, as well as an E-book collection of over 20,000 titles. There is a DVD collection of informational, literary and dramatic films as well as an audio book collection of fiction and nonfiction works. Over 20 research databases provide access to reference sources, articles from academic journals, magazines and newspapers, literary criticism, images, and more. The databases and E-book collection are accessible on and off campus, as is the library's online catalog which allows students and staff to locate and request print and media items from all our district libraries. Printers and a copy machine offer color and black and white printing at 10 cents a page with a library copy card. One-on-one reference and research assistance is always available. Library cards are free and may be obtained upon presentation of photo identification. Visit our web site at www.maderacenter.com and click on Library.

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. Also available to all students on a voluntary basis is an accident and sickness medical expense plan for a nominal fee. This plan provides 24-hour year-round (including summer) coverage. 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) 637-2543. Interested employers can also contact rcjobs@reedleycollege.edu for job posting information.

Veterans Services

FINANCIAL AID AND SCHOLARSHIPS

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 Veteran 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. VEAP (Chapter 32) - Contributed to VEAP or Section 903 - Military service beginning on or after January 1, 1977 and ending on or before June 30, 1985
- e. 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 his/her disabilities.

(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

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 notify the VA 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 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

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 can 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 weekly in the Student Center. All interested persons are encouraged to attend. For further information, please contact the Student Activities Office at telephone number (559) 638-0300, ext. 3408.

The Madera Community College Center and Oakhurst Community College Center chapter of the ASG offers opportunities similar to those available at Reedley College. Students enrolled at the Madera Community College Center and Oakhurst Community College Center can attend leadership development classes and participate in a variety of student government activities at the centers. For further information, please contact the College Center Assistant at the Madera Community College Center (559) 675-4834.

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) 638-0300, extension 3408.

ORGANIZATION OF NEW CLUBS

To be officially recognized, a club must have a minimum of 15 participating members, regular meetings, an approved constitution and a staff 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 student newspaper, Tiger Print, produced through journalism classes.

Music Activities

Reedley College performs for a variety of college and community events. Music groups include both instrumental and vocal. Included are two choral groups and small ensembles. All performing ensembles present concerts on campus and do touring.

Beginning classes in piano and voice are available for those without previous experience.

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 or Competency
CN Certificate In

Program	Academic Program ID	Type	Department	Page
Academic and Vocational English as a Second Language	R.3031.CC	CC	Communication & Languages	120
Accounting	R.2010.AS	AS	Business	87
Accounting	R.2010.CA	CA	Business	87
Administration of Justice	R.8880.AS-T	AS-T	Fine Arts & Social Science	75
Administrative Assistant	R.226B.AS	AS	Business	151
Administrative Assistant	R.226B.CA	CA	Business	152
Agricultural Mechanics	R.8281.AS	AS	Agriculture & Natural Resources	144
Agricultural Mechanics	R.8281.CA	CA	Agriculture & Natural Resources	144
Agriculture & Technology	R.1031.AS	AS	Agriculture & Natural Resources	156
Agriculture Animal Science	R.1051.AS-T	AS-T	Agriculture & Natural Resources	70
Agriculture Business	R.1021.AS-T	AS-T	Agriculture & Natural Resources	69
Agriculture Business	R.1020.CA	CA	Agriculture & Natural Resources	89
Agriculture Business Management	R.102D.CA	CA	Agriculture & Natural Resources	89
Agriculture Business, Option A	R.102A.AS	AS	Agriculture & Natural Resources	88
Agriculture Business, Option B	R.102B.AS	AS	Agriculture & Natural Resources	88
Agriculture Education	R.1120.AS	AS	Agriculture & Natural Resources	89
Agriculture Plant Science	R.1078.AS-T	AS-T	Agriculture & Natural Resources	71
American Sign Language	R.5505.AA	AA	Communication & Languages	91
American Sign Language Conversational Proficiency	R.5505.CA	CA	Communication & Languages	91
Animal Husbandry	R.1055.CA	CA	Agriculture & Natural Resources	92
Animal Science	R.1050.AS	AS	Agriculture & Natural Resources	92
Art History	R.5204.AA-T	AA-T	Fine Arts & Social Science	71
Art: Three-Dimensional	R.520B.AA	AA	Fine Arts & Social Science	93
Art: Two-Dimensional	R.520A.AA	AA	Fine Arts & Social Science	94
Associate Teacher	R.561Q.CA	CA	Health Sciences	104
Automotive Technician	R.8050.AS	AS	Industrial Technology	95
Automotive Technician	R.8050.CA	CA	Industrial Technology	95

Aviation Maintenance Technology	R.8011.AS	AS	Industrial Technology	95
Aviation Maintenance Technology	R.8011.CA	CA	Industrial Technology	96
Backcountry Skills	R.1106.CN	CN	Agriculture & Natural Resources	127
Basic English as a Second Language	R.3010.CC	CC	Communication & Languages	120
Basics of Computers	R.2084.CN	CN	Business	133
Biological Science	R.6100.AS	AS	Science & Geography	97
Biology	R.6110.AS-T	AS-T	Science & Geography	73
Business Administration	R.2050.AS-T	AS-T	Business	74
Business Administration, Entrepreneur	R.2060.AS	AS	Business	98
Business Administration: Accounting	R.2062.AS	AS	Business	98
Business Administration: General Business	R.2063.AS	AS	Business	99
Business Administration: Management	R.2064.AS	AS	Business	100
Business Administration: Marketing	R.2065.AS	AS	Business	101
Business Administration-Information Systems Management	R.2061.AS	AS	Business	99
Business Foundations	R.2031.CA	CA	Business	101
Business Intern	R.204E.CA	CA	Business	101
Chemistry	R.6400.AS-T	AS-T	Science & Geography	74
Child Care for School-Age Children, Teacher	R.561T.CA	CA	Health Sciences	104
Child Development	R.5610.AS	AS	Health Sciences	105
Child Development	R.5610.CA	CA	Health Sciences	105
Communication	R.5342.AA	AA	Communication & Languages	106
Communication Studies	R.5345.AA-T	AA-T	Communication & Languages	75
Communication Studies	R.5343.CA	CA	Communication & Languages	107
Computer Science	R.6921.AS	AS	Math, Computer Science, & Engineering	107
Creative Writing	R.5300.CN	CN	English	119
Criminology-Corrections	R.888B.AS	AS	Fine Arts & Social Science	115
Criminology-Corrections	R.888B.CA	CA	Fine Arts & Social Science	115
Criminology-Law Enforcement	R.888A.AS	AS	Fine Arts & Social Science	116
Criminology-Law Enforcement	R.888A.CA	CA	Fine Arts & Social Science	116
CSU GE Breadth	R.3000.CA	CA	Counseling	108
Cyber Security Support	R.6976.CA	CA	Business	133
Dental Assisting	R.4540.AS	AS	Health Sciences	117
Dental Assisting	R.4540.CA	CA	Health Sciences	117
Dev Services Cert in Life Skills/Community Emphasis	R.999A.CN	CN	Developmental Services	118

Dev Services Cert in Life Skills/Workability Emphasis	R.999B.CN	CN	Developmental Services	118
Early Childhood Education	R.5605.AS-T	AS-T	Health Sciences	74
Early Intervention Assistant	R.561R.CA	CA	Health Sciences	106
Economics	R.7200.AA-T	AA-T	Business	76
Elementary Teacher Education	R.5892.AA-T	AA-T	Health Sciences	76
Engineering	R.3010.AS	AS	Math, Computer Science, & Engineering	118
English	R.5300.AA	AA	English	119
English	R.5301.AA-T	AA-T	English	77
Enology	R.1077.AS	AS	Agriculture & Natural Resources	157
Enology	R.1077.CA	CA	Agriculture & Natural Resources	158
Environmental Horticulture	R.1061.AS	AS	Agriculture & Natural Resources	121
Environmental Horticulture	R.1061.CA	CA	Agriculture & Natural Resources	122
Equine	R.1054.CA	CA	Agriculture & Natural Resources	93
Equipment Technician Level I	R.8181.CA	CA	Agriculture & Natural Resources	145
Equipment Technician Level II	R.8182.CA	CA	Agriculture & Natural Resources	145
Family Child Care	R.561S.CA	CA	Health Sciences	106
Fine Arts	R.5320.AA	AA	Fine Arts & Social Science	122
Flight Science	R.8502.AS	AS	Industrial Technology	123
Food Safety in Animal Science	R.1056.CA	CA	Agriculture & Natural Resources	93
Forest Surveying Technology	R.6830.CA	CA	Agriculture & Natural Resources	128
Forestry	R.1210.AS	AS	Agriculture & Natural Resources	128
Forestry and Natural Resources Training	R.1107.CA	CA	Agriculture & Natural Resources	129
Forestry Technician Firefighting Emphasis	R.1105.CA	CA	Agriculture & Natural Resources	131
Forestry/Natural Resources	R.110C.AS	AS	Agriculture & Natural Resources	130
General Agriculture	R.1010.CA	CA	Agriculture & Natural Resources	90
General Business	R.2040.AS	AS	Business	102
Health Care Interpreter	R.4501.CN	CN	Health Sciences	132
History	R.7380.AA-T	AA-T	Fine Arts & Social Science	78
Hospitality Management	R.204B.CN	CN	Business	102
Human Services	R.7420.CA	CA	Fine Arts & Social Science	133
Information Systems	R.6934.CA	CA	Business	134
Information Systems, Information Technology Support Option	R.6951.AS	AS	Business	134
Information Systems, Networking and Security	R.6974.AS	AS	Business	135
Information Systems, Networking and Security	R.6974.CA	CA	Business	135
Information Systems, Web Development Option	R.6980.AS	AS	Business	136

Information Systems, Web Development	R.6980.CA	CA	Business	136
Information Technology Support Technician	R.6936.CA	CA	Business	136
Intermediate Academic and Vocational English as a Second Language	R.3020.CC	CC	Business	121
Intersegmental GE Transfer Curriculum (IGETC)	R.3100.CA	CA	Counseling	111
Irrigation, Fertility & Pest Management Technician	R.1073.CA	CA	Agriculture & Natural Resources	158
Kinesiology	R.1270.AA-T	AA-T	Health Sciences	79
Liberal Arts & Sciences: Arts & Humanities	R.5120.AA	AA	Fine Arts & Social Science	137
Liberal Arts & Sciences: Natural Sciences	R.5130.AA	AA	Science & Geography	138
Liberal Studies	R.5890.AA	AA	Counseling	138
Licensed Vocational Nursing	R.4530.AS	AS	Health Sciences	149
Licensed Vocational Nursing	R.4530.CA	CA	Health Sciences	149
LVN-RN	R.4520.AS	AS	Health Sciences	150
LVN-RN	R.4520.CA	CA	Health Sciences	151
Machine Tool Technology	R.8382.AS	AS	Industrial Technology	140
Machinist	R.8383.CA	CA	Industrial Technology	140
Maintenance Mechanic	R.8390.CN	CN	Industrial Technology	139
Management	R.2180.AS	AS	Business	102
Managerial Assistant	R.2180.CA	CA	Business	103
Manufacturing 1	R.8394.CA	CA	Industrial Technology	141
Manufacturing Maintenance Mechanic	R.8395.AS	AS	Industrial Technology	141
Manufacturing Maintenance Mechanic	R.8395.CA	CA	Industrial Technology	142
Mathematics	R.6200.AS	AS	Math, Computer Science, & Engineering	143
Mathematics	R.6200.AS-T	AS-T	Math, Computer Science, & Engineering	80
Mechanized Agriculture	R.8180.AS	AS	Agriculture & Natural Resources	145
Mechanized Agriculture	R.8180.CA	CA	Agriculture & Natural Resources	145
Medical Administrative Assistant	R.2023.AS	AS	Business	152
Medical Administrative Assistant	R.2023.CA	CA	Business	153
Medium/Heavy Duty Truck Advanced Engines and Powertrains	R.8184.CA	CA	Agriculture & Natural Resources	146
Medium/Heavy Duty Truck Electrical and Hydraulics	R.8185.CA	CA	Agriculture & Natural Resources	146
Medium/Heavy Duty Truck Engines	R.8186.CA	CA	Agriculture & Natural Resources	147
Medium/Heavy Duty Truck Powertrain and MVAC	R.8187.CA	CA	Agriculture & Natural Resources	147
Medium/Heavy Duty Truck Service and Repair	R.8183.CA	CA	Agriculture & Natural Resources	148

Music	R.5830.AA-T	AA-T	Fine Arts & Social Science	80
Music -- Instrumental	R.5810.AA	AA	Fine Arts & Social Science	148
Music -- Vocal	R.5820.AA	AA	Fine Arts & Social Science	149
Natural Resources	R.1310.AS	AS	Agriculture & Natural Resources	130
Nursing Assistant Training	R.4510.CA	CA	Health Sciences	150
Nursing Assistant Training	R.453A.CN	CN	Health Sciences	150
Office Assistant	R.2021.CA	CA	Business	153
Pest Control Advisor	R.1075.CA	CA	Agriculture & Natural Resources	159
Philosophy	R.5710.AA-T	AA-T	Fine Arts & Social Science	81
Physical Education	R.4200.AA	AA	Health Sciences	154
Physical Science	R.6300.AS	AS	Science & Geography	155
Physics	R.3664.AS-T	AS-T	Science & Geography	83
Plant and Soil Science	R.1074.AS	AS	Agriculture & Natural Resources	160
Plant Protection Intern	R.1076.CA	CA	Agriculture & Natural Resources	160
Political Science	R.7451.AA-T	AA-T	Fine Arts & Social Science	83
Production Agriculture Technician	R.1074.CA	CA	Agriculture & Natural Resources	161
Psychology	R.7550.AA-T	AA-T	Fine Arts & Social Science	84
Receptionist	R.2024.CA	CA	Business	154
Recreation and Interpretation Techniques	R.1104.CA	CA	Agriculture & Natural Resources	132
Small Business Management	R.2030.AS	AS	Business	103
Small Business Management	R.2030.CA	CA	Business	103
Social Science	R.7410.AA	AA	Fine Arts & Social Science	162
Sociology	R.7612.AA-T	AA-T	Fine Arts & Social Science	85
Spanish	R.5550.AA-T	AA-T	Communication & Languages	86
Speech Aide	R.1220.CA	CA	Health Sciences	163
Speech-Language Pathology Assistant	R.1220.AS	AS	Health Sciences	163
Studio Arts	R.5203.AA-T	AA-T	Fine Arts & Social Science	72
Welder	R.8396.CA	CA	Industrial Technology	142
Welding Technology	R.8396.AS	AS	Industrial Technology	143
Wildfire Resources Supervisors	R.1107.CN	CN	Agriculture & Natural Resources	132
World Languages	R.5501.AA	AA	Communication & Languages	164

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 http://adegreewithaguarantee.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.

ASSOCIATE IN ARTS 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 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. ADTs also require that 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..

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	Elementary 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	Math Analysis I	5

CSU General Education or IGETC
CSU Electives to reach 60

Total Units 60

Advisor(s): Rodriguez, 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	Elementary 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
PLS 1	Introduction to Plant Science	3
PLS 2	Soils	3
PLS 2L	Soils Laboratory	1

CSU General Education or IGETC
CSU Electives to reach 60

Total Units 60

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.

Participation and completion of the Associate in Science in Agriculture Plant Science for Transfer Degree program prepares and qualifies students for transfer into California State University and University of California institutions. The program also provides training for careers in management within the production agriculture industry.

Purpose: To satisfy CSU transfer requirements and provide practical knowledge and specific skills in plant and soil sciences as 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	Elementary Statistics	4
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
PLS 9	Biometrics	3
	Total Units	60

Advisor(s): T. Smith

ART

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

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.

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.

Required Core		9
ART 5	Art History 1	3
ART 6	Art History 2	
	or	
ART 6H	Honors Art History 2	3
ART 7	Beginning Drawing	3
List A		3
Art 55	Introduction to Asian Art	3
Note: this course must be taken at FCC		
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
ART 30A	Illustrator: Beginning Computer Drawing and Design	3
ART 37A	Photoshop: Digital Visual Art	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
CHIN 1	Beginning Chinese	4
CHIN 2	High-Beginning Chinese	4
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
FRENCH 1	Beginning French	4
FRENCH 2	High-Beginning French	4
FRENCH 3	Intermediate French	4
FRENCH 4	High-Intermediate French	4
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
SPAN 1	Beginning Spanish	4
SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	4
SPAN 4	High-Intermediate Spanish	4
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4NS	Spanish for Spanish Speakers	4
SPAN 15	Practical Spanish Conversation, Low-Intermediate Level	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level	3
SOC 32	Courtship, Marriage, and Divorce: Family & Interpersonal Relationships	3
CSU General Education or IGETC		
CSU Electives to reach 60		
	Total Units	60

Advisor(s): Carerra, Hicks, Norton (Madera)

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

The Associate in Arts in Studio Arts for Transfer Degree is designed to give students basic skills in 2D and 3D composition, an introductory level of knowledge of art history and computer digital art familiarity. The primary focus is to prepare students for transfer into, as well as to complete, a Bachelors of Art degree program within the California State University system. The secondary focus is to prepare students to enter into the multiple career paths of visual communication fields such as graphic design, architecture, web-based media, animation, filmmaking, fine arts, and more. No

other major engages or encourages creativity as much as an art major. Art and design permeate everything we see, hear, touch, wear, or otherwise interact with. A creative professional thought up the icons on your smartphone designed the cut, color, and texture of your clothing created the label on your favorite beverage conceived of the characters in your favorite video game told an engaging story through film or animation and creatively solved a problem. With the exponential growth of computer based social networks and other digital forms of human exchange, artists and designers will continue to be necessary and integral cultural producers, storytellers, and creative problem solvers. Studio Arts graduates are qualified for countless employment opportunities in the art, design, entertainment and creative fields.

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
List B		9
ART 9	Beginning Painting: Oil and Acrylic	3
ART 10	Beginning Wheel Throwing	3
ART 17	Intermediate Drawing	3
ART 30A	Illustrator: Beginning Computer Drawing and Design	
	or	
ART 37A	Photoshop: Digital Visual Art	3
PHOTO 1	Basics of Digital Photography	3
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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	Math Analysis 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
Completion of CSU General Education or IGETC for STEM		
CSU electives to reach 60 units total		
	Total Units	60

BUSINESS

BUSINESS ADMINISTRATION (MAJOR #R.2050.AS-T)
ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE

This degree prepares students to transfer to a California State University in business. It provides students a broad knowledge of modern business and management theories through a carefully structured core curriculum consisting of courses in accounting, economics, and computer information systems.

Required Core		18
ACCTG 4A	Financial Accounting	4
ACCTG 4B	Managerial Accounting	4
BA 18	Business Law and the Legal Environment	4
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
List A, select one course		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
List B, select two courses		6-7
Any course from List A not already used		3 - 4
IS 15	Computer Concepts	3
BA 10	Introduction to Business	3
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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	Math Analysis I	5
MATH 5B	Math Analysis II	4
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 4B	Physics for Scientists and Engineers	4
IGETC for STEM		
	Total Units	60

CHILD DEVELOPMENT

EARLY CHILDHOOD EDUCATION (MAJOR #R.5605.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.

Program Learning Outcome:

- Demonstrate effective written and oral communication on skills to the common core courses in the sciences, math, arts, and humanities.

CHDEV 1	Principles and Practices of Teaching Young Children	3
CHDEV 3	Introduction to Curriculum	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs	3
CHDEV 20	Observation and Assessment	3
CHDEV 30	Child, Family, and Community	3
CHDEV 37A	Early Childhood Practicum	3
CHDEV 39	Child Growth and Development	3
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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
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
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
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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	Elementary Statistics	4
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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		12-13
ECON 1A	Principles of Macroeconomics	3
ECON 1B	Principles of Microeconomics	3
MATH 5A	Math Analysis I	5
Select one statistics course		
MATH 11	Elementary Statistics	4
STAT 7	Elementary Statistics	4
List A: Select 1 course		3-4
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	Math Analysis II	4
List B: Select one course		3-4
Any List A course not already used		
MATH 6	Math Analysis III	5
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

ELEMENTARY TEACHER EDUCATION

ELEMENTARY TEACHER EDUCATION (MAJOR #R.5892.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
CHDEV 39	Child Growth and Development	3
COMM 1	Public Speaking or	
COMM 1H	Honors Public Speaking	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	Structure and Concepts in Mathematics 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
MUS 12 Music Appreciation
List C 3
LING 11 Introduction to Language for Teachers
Completion of CSU General Education or IGETC
CSU electives to reach 60 units total
Total Units 60
(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 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 15E Creative Writing: Non-Fiction 3
or
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
CHIN 1 Beginning Chinese 4
CHIN 2 High-Beginning Chinese..... 4
COMM 12 Fundamentals of Interpretation 3
ENGL 15F Creative Writing: Screenwriting 3
ENGL 41 Themes in Literature 4
ENGL 47 Shakespeare 3
ENGL 49 Latino & Chicano Literature 3
FRENCH 1 Beginning French 4
FRENCH 2 High-Beginning French..... 4
FRENCH 3 Intermediate French 4
FRENCH 4 High-Intermediate French..... 4
GERMAN 1 Beginning German 4
GERMAN 2 High-Beginning German..... 4
GERMAN 3 Intermediate German..... 4
GERMAN 4 High-Intermediate German 4
JOURN 1 Introduction to Mass Communications..... 3
or
JOURN 3 News Writing 3
LING 10 Introduction to Language 3
or
LING 11 Introduction to Language for Teachers 3
SPAN 1 Beginning Spanish 4

SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	4
SPAN 4	High-Intermediate Spanish	4
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4NS	Spanish for Spanish Speakers	4

Completion of CSU General Education or IGETC
CSU electives to reach 60 units total
(Geography 40A & 40B (C-ID GEOG 125) is accepted in place of Geography 6)

Total Units 60

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
CHIN 1	Beginning Chinese	4
CHIN 2	High-Beginning Chinese	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	4
FRENCH 2	High-Beginning French	4
FRENCH 3	Intermediate French	4
FRENCH 4	High-Intermediate French	4
GERMAN 1	Beginning German	4
GERMAN 2	High-Beginning German	4
GERMAN 3	Intermediate German	4
GERMAN 4	High-Intermediate German	4
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	4
SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	4
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4	High-Intermediate Spanish	4
SPAN 4NS	Spanish for Spanish Speakers	4
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
Completion of CSU General Education or IGETC
CSU electives to reach 60 units total

Total Units 60

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 Physical Education	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	Elementary Statistics	4
	or	
STAT 7	Elementary Statistics	4
PHYS 2A	General Physics I	4
	or	
PHYS 4A	Physics for Scientists and Engineers	4

Completion of CSU General Education or IGETC
CSU electives to reach 60 units total

Total Units 60

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	Math Analysis I	5
MATH 5B	Math Analysis II	4
MATH 6	Math Analysis 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	Elementary Statistics	4
PHYS 4A	Physics for Scientists and Engineers	4
STAT 7	Elementary Statistics	4
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

MUSIC

MUSIC (MAJOR #R.5830.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

The Associate in Arts in Music 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 Music, 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, 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.

Students must use the IGETC pattern for the Associate in Arts in Music for Transfer degree. Associate in Arts 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 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.

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

- 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

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		2
MUS 42	Instrumental Ensembles	1-2
Large Ensemble - 4 semesters required		4
MUS 31	Concert Choir	1-3
MUS 40	Concert Band	1-3
MUS 45	College Orchestra	1-3
IGETC		
CSU electives to reach 60 units total		
	Total Units	60

PHILOSOPHY

PHILOSOPHY (MAJOR #R.5710.AA-T)
ASSOCIATE IN ARTS FOR TRANSFER DEGREE

An Associate of Arts Degree in Philosophy for transfer 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 of Arts Degree in Philosophy for Transfer 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.

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
Any course from core not already used.		
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
CHIN 1	Beginning Chinese	4
CHIN 2	High-Beginning Chinese	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	4
FRENCH 2	High-Beginning French	4
FRENCH 3	Intermediate French	4
FRENCH 4	High-Intermediate French	4
GERMAN 1	Beginning German	4
GERMAN 2	High-Beginning German	4
GERMAN 3	Intermediate German	4
GERMAN 4	High-Intermediate German	4
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	4
SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	4
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4	High-Intermediate Spanish	4
SPAN 4NS	Spanish for Spanish Speakers	4

Completion of CSU General Education or IGETC

CSU electives to reach 60 units total

Total Units 60

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	Math Analysis I	5
MATH 5B	Math Analysis II	4
MATH 6	Math Analysis III	5
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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	Elementary 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
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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 4-5 units from the following Biology courses		4-5
BIOL 1	Principles of Biology	4
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
Select one course from:		4
MATH 11	Elementary Statistics	4
STAT 7	Elementary Statistics	4
Select one course from:		3
PSY 2	General Psychology	3
PSY 2H	Honors General Psychology	3
List B (Choose one of the following)		3
CHDEV 39	Child Growth and Development	3
CHDEV 38	Lifespan Development	3
PSY 5	Social Psychology	3
SOC 1A	Introduction to Sociology	3
PSY 38	Lifespan Development	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
CSU General Education or IGETC		
CSU Electives to reach 60		
	Total Units	60

Advisor(s): Aizon (Madera), Barnes (Madera), 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	Elementary Statistics	4
MATH 11C	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
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

SPANISH

SPANISH (MAJOR #R.5550.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		16
SPAN 1	Beginning Spanish	4
SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	
	or	
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4	High-Intermediate Spanish	4
	or	
SPAN 4NS	Spanish for Spanish Speakers	4

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		3-4
ENGL 49	Latino & Chicano Literature	3
ETHNST 32	History of the Mexican American People	3
FRENCH 1	Beginning French	4
FRENCH 2	High-Beginning French	4
FRENCH 3	Intermediate French	4
FRENCH 4	High-Intermediate French	4
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
Completion of CSU General Education or IGETC		
CSU electives to reach 60 units total		
	Total Units	60

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
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
	Total Units	20

AGRICULTURE

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, OPTION A (MAJOR #R.102A.AS) ASSOCIATE IN SCIENCE DEGREE

This Associate in Science Degree combines an in-depth understanding of business principles with a breadth of agricultural knowledge. Students will be able to work within the increasingly complex business operations of production agriculture and agribusinesses. Students will make fundamental management decisions concerning resource allocation, apply the five decision-making steps in solving a practical farm problem, compute fixed and variable costs associated with production agriculture operations, predict the effects of changes in supply and demand on market prices of commodities, select appropriate computer applications as a management tool for agricultural businesses, effectively market agricultural products and services, record financial transactions in accordance with fundamental accounting principles, and analyze financial records to determine the solvency of a business.

This pathway is designed for students seeking a two-year degree that will allow them to acquire entry-level positions within the agriculture business industry.

Agriculture Business Core		22
AG 4	Farm Management	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
AGBS 7	Career Leadership Seminar	1
AGBS 19V	Cooperative Work Experience, Agriculture	2
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
Select two from the following		6
AGBS 1	Introduction to Agriculture Business	3
AS 2	Beef Production	3
AS 3	Small Ruminant Production	3
AS 4	Swine Production	3
AS 5	Animal Nutrition	3
EH 30	Principles of Environmental Horticulture	3
PLS 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 5	Principles of Irrigation Management	3
PLS 7	Integrated Pest Management	3
PLS 8	Vegetable Production	3
	Total Units	38

Advisor(s): S. Rodriguez, Woodard

AGRICULTURE BUSINESS, OPTION B (MAJOR #R.102B.AS) ASSOCIATE IN SCIENCE DEGREE

This Associate in Science Degree combines an in-depth understanding of business principles with a breadth of agricultural knowledge. Students will be able to work within the increasingly complex business operations of production agriculture and agribusinesses. Students will make fundamental management decisions concerning resource allocation, apply the five decision-making steps in solving a practical farm problem, compute fixed and variable costs associated with production agriculture operations, predict the effects of changes in supply and demand on market prices of commodities, select appropriate computer applications as a management tool for agricultural businesses, effectively market agricultural products and services, record financial transactions in accordance with fundamental accounting principles, and analyze financial records to determine the solvency of a business.

This pathway, along with additional transferable general education courses, is designed for students seeking transfer to a four-year agriculture business degree program.

Agriculture Business Core		25
AG 4	Farm Management	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 2	Soils	3
PLS 11	Machinery Technology	3
Option B Courses		7
CHEM 3A	Introductory General Chemistry	4
ECON 1A	Principles of Macroeconomics	3
Select one from the following		3-5
BA 39	Finite Mathematics for Business	3
MATH 5A	Math Analysis I	5
	Total Units	35-37

Advisor(s): S. Rodriguez, Woodard

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.

AG 4	Farm Management	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): S. Rodriguez, 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.

AG 4	Farm Management	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): S. Rodriguez, 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, Kinney, Long, Lopes, Molyneux, J. Rodriguez, S. Rodriguez, Smith, Soderlund, Wenter, Woodard

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): S. Rodriguez, 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 HUSBANDRY (MAJOR #R.1055.CA)
CERTIFICATE OF ACHIEVEMENT

This program emphasizes development of the basic animal husbandry skills required for students seeking entry-level employment in the livestock industry. Emphasis will be placed on animal behavior & safe handling techniques, feeding practices, breeding, environmental management, marketing, health maintenance and common veterinary procedures. Students will also receive basic training relevant to farm construction/repair skills and/or the operation of commonly used farm/ranch equipment. Students who complete this program may gain employment as a livestock herdsman, animal trainer, livestock fitter, brand inspector, or in other occupations within the food animal industry. Courses within this program of study may also be applied toward other certificate and/or degree options within animal science.

AGBS 4	Computer Applications in Agriculture	3
AS 1	Introduction to Animal Science	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
Select one course		3
MAG 40	Introduction to Agricultural Mechanics	3
PLS 11	Machinery Technology	3
Select one course		3
AS 6	Livestock Selection and Evaluation	3
AS 10	Meat Evaluation and Processing	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
AG 4	Farm Management	3
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.

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

FOOD SAFETY IN ANIMAL SCIENCE (MAJOR #R.1056.CA)
CERTIFICATE OF ACHIEVEMENT

This program will result in the development of the basic skills and competencies required for students seeking entry-level employment in the food animal industry. Upon completion of this program of study, students will achieve certification in Hazard Analysis and Critical Control Points (HACCP) and be able to perform food industry audits.

AS 1	Introduction to Animal Science	3
AS 10	Meat Evaluation and Processing	3
AS 31	Prerequisite Programs for Food Safety	1
AS 32	Introduction to Hazard Analysis and Critical Control Points	1
AS 33	Verification and Validation of HACCP Systems	1
AS 34	Internal Auditing of Food Safety Management	3
	Total Units	12

Advisor(s): Lopes, Molyneux

ART

Program Learning Outcomes:

- 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.

ART: THREE-DIMENSIONAL (MAJOR #R.520B.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.

Select from the following studio art courses 15
ART 4 Three-Dimensional Design 3
ART 7 Beginning Drawing 3
ART 10 Beginning Wheel Throwing 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 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
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.

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
FILM 1 Introduction to Film Studies 3
PHOTO 1 Basics of Digital Photography 3
Select from the following computer courses..... 6
ART 30A Illustrator: Beginning Computer Drawing and Design 3
ART 30B Illustrator: Intermediate Computer Drawing and Design 3
ART 33 Introduction to Computer Art & Design 3
ART 37A Photoshop: Digital Visual Art 3
ART 37B Photoshop: Intermediate Digital Visual Art 3
ART 38 Painter: Computer Digital Imaging 3
Total Units 24

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): I. Garza, 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): I. Garza, Rosendale

AVIATION MAINTENANCE TECHNOLOGY

AVIATION MAINTENANCE TECHNOLOGY
(MAJOR #R.8011.AS)
ASSOCIATE IN SCIENCE DEGREE

Upon successful completion of this program, students will have met all the requirements needed to take the aircraft Airframe and Powerplant mechanic exams and complete courses needed to achieve an AS Degree in Flight Science.

AMT 11	Basic Electricity, Propellers, and Human Factors	3.5
AMT 11L	Basic Electricity and Propellers Laboratory	1.5
AMT 12	Materials & Processes, Electrical Systems, and Communication & Navigation Systems	3.5
AMT 12L	Materials & Processes, Electrical Systems, and Communication & Navigation Systems Laboratory	1.5
AMT 13	Maintenance Publications, Mechanic Privileges and Limitations, Hydraulics, Landing Gear, and Cabin Atmosphere Control Systems	3.5
AMT 13L	Maintenance Publications, Mechanic Privileges and Limitations, Hydraulics, Landing Gear, and Cabin Atmosphere Control Systems Laboratory	1.5

AMT 21	Unducted Fans, Auxiliary Power Units, Basic Physics, Assembly & Rigging, and Weight & Balance	3.5
AMT 21L	Unducted Fans, Auxiliary Power Units, Basic Physics, Assembly & Rigging, and Weight & Balance Laboratory	1.5
AMT 22	Aircraft Composite Structures, Aircraft Wood Structures, and Welding	3.5
AMT 22L	Aircraft Composite Structures, Aircraft Wood Structures, and Welding Laboratory	1.5
AMT 23	Aircraft Finishes, Aircraft Covering, Lubrication Systems, and Ignition & Starting Systems	3.5
AMT 23L	Aircraft Finishes, Aircraft Covering, Lubrication Systems, and Ignition & Starting Systems Laboratory	1.5
AMT 31	Turbine Engines	3.5
AMT 31L	Turbine Engines Laboratory	1.5
AMT 32	Aircraft Sheetmetal Structures, Aircraft & Engine Instruments, and Ice & Rain Protection	3.5
AMT 32L	Aircraft Sheetmetal Structures, Aircraft & Engine Instruments, and Ice & Rain Protection Laboratory	1.5
AMT 33	Aircraft Reciprocating Engines	3.5
AMT 33L	Aircraft Reciprocating Engines Laboratory	1.5
AMT 41	Aircraft & Engine Fuel Systems, Fuel Metering Systems, and Aircraft & Engine Fire Protection Systems	3.5
AMT 41L	Aircraft & Engine Fuel Systems, Fuel Metering Systems, and Aircraft & Engine Fire Protection Systems Laboratory	1.5
AMT 42	Aircraft Drawings, Mathematics, Fluid Lines & Fittings, Airframe Inspection, and Cleaning & Corrosion Control	3.5
AMT 42L	Aircraft Drawings, Mathematics, Fluid Lines & Fittings, Airframe Inspection, and Cleaning & Corrosion Control Laboratory	1.5
AMT 43	Engine Exhaust, Induction, and Cooling Systems, Engine Electrical, Engine Inspection, and Ground Operations & Servicing	3.5
AMT 43L	Engine Exhaust, Induction, and Cooling Systems, Engine Electrical, Engine Inspection, and Ground Operations & Servicing Laboratory	1.5
	Total Units	60

Advisor(s): Asman, Zielke

AVIATION MAINTENANCE TECHNOLOGY

(MAJOR #R.8011.CA)

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of this program, students will have met all the requirements needed to take the aircraft Airframe and Powerplant mechanic exams.

AMT 11	Basic Electricity, Propellers, and Human Factors	3.5
AMT 11L	Basic Electricity and Propellers Laboratory	1.5
AMT 12	Materials & Processes, Electrical Systems, and Communication & Navigation Systems	3.5
AMT 12L	Materials & Processes, Electrical Systems, and Communication & Navigation Systems Laboratory	1.5
AMT 13	Maintenance Publications, Mechanic Privileges and Limitations, Hydraulics, Landing Gear, and Cabin Atmosphere Control Systems	3.5
AMT 13L	Maintenance Publications, Mechanic Privileges and Limitations, Hydraulics, Landing Gear, and Cabin Atmosphere Control Systems Laboratory	1.5
AMT 21	Unducted Fans, Auxiliary Power Units, Basic Physics, Assembly & Rigging, and Weight & Balance	3.5
AMT 21L	Unducted Fans, Auxiliary Power Units, Basic Physics, Assembly & Rigging, and Weight & Balance Laboratory	1.5
AMT 22	Aircraft Composite Structures, Aircraft Wood Structures, and Welding	3.5

AMT 22L	Aircraft Composite Structures, Aircraft Wood Structures, and Welding Laboratory	1.5
AMT 23	Aircraft Finishes, Aircraft Covering, Lubrication Systems, and Ignition & Starting Systems	3.5
AMT 23L	Aircraft Finishes, Aircraft Covering, Lubrication Systems, and Ignition & Starting Systems Laboratory	1.5
AMT 31	Turbine Engines	3.5
AMT 31L	Turbine Engines Laboratory	1.5
AMT 32	Aircraft Sheetmetal Structures, Aircraft & Engine Instruments, and Ice & Rain Protection	3.5
AMT 32L	Aircraft Sheetmetal Structures, Aircraft & Engine Instruments, and Ice & Rain Protection Laboratory	1.5
AMT 33	Aircraft Reciprocating Engines	3.5
AMT 33L	Aircraft Reciprocating Engines Laboratory	1.5
AMT 41	Aircraft & Engine Fuel Systems, Fuel Metering Systems, and Aircraft & Engine Fire Protection Systems	3.5
AMT 41L	Aircraft & Engine Fuel Systems, Fuel Metering Systems, and Aircraft & Engine Fire Protection Systems Laboratory	1.5
AMT 42	Aircraft Drawings, Mathematics, Fluid Lines & Fittings, Airframe Inspection, and Cleaning & Corrosion Control	3.5
AMT 42L	Aircraft Drawings, Mathematics, Fluid Lines & Fittings, Airframe Inspection, and Cleaning & Corrosion Control Laboratory	1.5
AMT 43	Engine Exhaust, Induction, and Cooling Systems, Engine Electrical, Engine Inspection, and Ground Operations & Servicing	3.5
AMT 43L	Engine Exhaust, Induction, and Cooling Systems, Engine Electrical, Engine Inspection, and Ground Operations & Servicing Laboratory	1.5
	Total Units	60

Advisor(s): Asman, 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 1	Principles of Biology	4
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 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): Fleuridor (Madera), J. Gray (Madera), Lin, Menefee, Smith Bush, Strankman, Yancey (Oakhurst)

BUSINESS ADMINISTRATION

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.

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): Epperson (Madera)

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 (MAJOR #R.2061.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
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): Cusaac (Madera), 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 10	Introduction to Business	3
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
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	3
	Total Units	20-21

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

GENERAL BUSINESS (MAJOR #R.2040.AS)
ASSOCIATE IN SCIENCE DEGREE

This associate degree is intended for students who wish to be successful in the business environment. The course of study will prepare the student for employment at both the beginning and intermediate levels of business positions along with beginning and intermediate levels of supervisory positions. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function the role that management plays in effective business operations, and the many facets of organizational behavior and employee motivation in the workplace. They will be able to apply these skills immediately in the workplace

Business Administration Core		
ACCTG 40	Applied Accounting	4
BA 5	Business Communications	3
BA 10	Introduction to Business	3
IS 15	Computer Concepts	3
BA 47	Careers-Business	1
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
	Business Administration Core Total Units	17-18

Select from one of the following options:		
Marketing Option		12
BA 26	Virtual Enterprise	3
MKTG 10	Marketing	3
MKTG 11	Salesmanship	3
MKTG 12	Advertising and Promotion	3
	Marketing Total Units	29-30
Hospitality Option		6.5
BA 19V	Cooperative Work Experience, Business	2
BA 33	Human Relations in Business	3
OT 48	Today's Receptionist	1.5
	Hospitality Total Units	23.5-24.5
Retailing Option		6
BA 26	Virtual Enterprise	3
MKTG 10	Marketing	3
	Retailing Total Units	23-24

Advisor(s): Nasalroad, M. Sorensen

CERTIFICATE IN HOSPITALITY MANAGEMENT
(MAJOR #R.204B.CN)

Students who complete the outlined course of study will be prepared for entry-level positions in the tourist industry. They will have acquired the necessary skills, education, and classroom experience to understand the hospitality industry and be able to contribute these skills immediately to firms in tourism.

BA 12	Introduction to Hospitality	3
BA 19V	Cooperative Work Experience, Business	6
OT 48	Today's Receptionist	1.5
	Total Units	10.5

MANAGEMENT (MAJOR #R.2180.AS)
ASSOCIATE IN SCIENCE DEGREE

This associate degree is intended for students who wish to be successful in the business environment. The course of study will prepare the student for employment at both the beginning and intermediate levels of business positions along with beginning and intermediate levels of supervisory positions. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function, the role that management plays in effective business operations, and the many facets of organizational behavior and employee motivation in the workplace. They will be able to apply these skills immediately in the workplace.

Business Administration Core		
ACCTG 40	Applied Accounting	4
BA 5	Business Communications	3
BA 10	Introduction to Business	3
IS 15	Computer Concepts	3
Management Courses		
BA 15	Introduction to Management	3
BA 18	Business Law and the Legal Environment	4
BA 33	Human Relations in Business	3
BA 47	Careers-Business	1
MKTG 10	Marketing	3
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
Select additional 3 units from the following		3
Accounting, Business Administration, Economics, Information Systems, or Marketing courses		
	Total Units	33-34

MANAGERIAL ASSISTANT (MAJOR #R.2180.CA)
CERTIFICATE OF ACHIEVEMENT

Students who complete the outlined course of study will be prepared for intermediate supervisory positions as a managerial assistant. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function, the role that management plays in effective business operations, and the many facets of organizational behavior and employee motivation in the workplace. They will be able to apply these skills in the workplace.

ACCTG 40	Applied Accounting	4
BA 5	Business Communications	3
BA 10	Introduction to Business	3
BA 15	Introduction to Management	3
BA 19V	Cooperative Work Experience, Business	1
BA 33	Human Relations in Business	3
IS 15	Computer Concepts	3
	Total Units	20

Advisor(s): Nasalroad

SMALL BUSINESS MANAGEMENT (MAJOR #R.2030.AS)
ASSOCIATE IN SCIENCE DEGREE

This associate degree is intended for students who wish to be successful in the business environment, especially those wishing to start, own, or operate a small business. The course of study will prepare the student to successfully operate a small business. They will have acquired the necessary skills, education, and classroom experience to understand how businesses function, the role that management plays in effective business operations, and the many facets of organizational behavior and employee motivation in the workplace. They will be able to apply these skills immediately in their efforts to establish a small business.

ACCTG 40	Applied Accounting	4
BA 5	Business Communications	3
BA 10	Introduction to Business	3
IS 15	Computer Concepts	3
Business/Marketing Courses		
BA 18	Business Law and the Legal Environment	4
BA 33	Human Relations in Business	3
BA 38	Operation of a Small Business	3
BA 47	Careers-Business	1
MKTG 10	Marketing	3
Select one from the following		3-4
BA 39	Finite Mathematics for Business	3
STAT 7	Elementary Statistics	4
Select additional 2-4 units from the following		2-4
Accounting, Business Administration, Economics, Information Systems, or Marketing courses		
	Total Units	32-35

Advisor(s): Nasalroad, M. Sorensen

SMALL BUSINESS MANAGEMENT (MAJOR #R.2030.CA)
CERTIFICATE OF ACHIEVEMENT

ACCTG 40	Applied Accounting	4
BA 10	Introduction to Business	3
BA 18	Business Law and the Legal Environment	4
BA 33	Human Relations in Business	3
BA 38	Operation of a Small Business	3
BA 47	Careers-Business	1
IS 15	Computer Concepts	3
MKTG 10	Marketing	3
MKTG 12	Advertising and Promotion	3
	Total Units	27

Advisor(s): Nasalroad, M. Sorensen

CHILD DEVELOPMENT

Program Learning Outcomes:

- 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.

ASSOCIATE TEACHER (MAJOR #R.561Q.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.

CHDEV 1	Principles and Practices of Teaching Young Children	3
CHDEV 3	Introduction to Curriculum	3
CHDEV 19V	Cooperative Work Experience, Child Development	3
CHDEV 30	Child, Family, and Community	3
CHDEV 39	Child Growth and Development	3
	Total Units	15

Advisor(s): Barajas, Davidson, Luera (Madera), Marsh, Swallow, Triplitt (Madera)

CHILD CARE FOR SCHOOL-AGE CHILDREN-TEACHER

(MAJOR #R.561T.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.

Required Courses

CHDEV 8A	Introduction to School-Age Child Care	3
CHDEV 8B	School-Age Child Care	3
CHDEV 30	Child, Family, and Community	3
CHDEV 39	Child Growth and Development	3
Select 12 additional units from the following:		12
CHDEV 1	Principles and Practices of Teaching Young Children	3
CHDEV 3	Introduction to Curriculum	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education	3
CHDEV 11	The Young Child with Special Needs	3
CHDEV 12	Child Abuse	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs	3
CHDEV 47	Emergent Literacy	3
CHDEV 49	Guidance for Young Children	3
	Total Units	24

Advisor(s): Barajas, Davidson, Luera (Madera), Marsh, Swallow, Triplitt (Madera)

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.5610.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.

Required Core Courses - 24 units

CHDEV 1	Principles and Practices of Teaching Young Children	3
CHDEV 3	Introduction to Curriculum	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs	3
CHDEV 20	Observation and Assessment	3
CHDEV 30	Child, Family, and Community	3
CHDEV 37A	Early Childhood Practicum	3
CHDEV 39	Child Growth and Development	3

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

CHDEV 8A	Introduction to School-Age Child Care	3
CHDEV 16	Early Intervention	3
CHDEV 17A	Infant and Toddler Practicum	3
CHDEV 37B	Advanced Practicum in Early Childhood Education	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.

CHDEV 2	Introduction to Early Childhood Education	2
CHDEV 5	Parent Education	3
CHDEV 8B	School-Age Child Care	3
CHDEV 11	The Young Child with Special Needs	3
CHDEV 12	Child Abuse	3
CHDEV 17B	Advanced Infant and Toddler Development	3
CHDEV 40A	Administration I: Programs in Early Childhood Education	3
CHDEV 40B	Administration II: Personnel and Leadership in Early Childhood Education	3
CHDEV 45	Adult Supervision and Mentoring in Early Care and Education	3
CHDEV 47	Emergent Literacy	3
CHDEV 49	Guidance for Young Children	3
CHDEV 151	Introduction to Family Child Care	1
CHDEV 152	Quality Programs in Family Child Care	1
	Total Units	30

Advisor(s): Barajas, Davidson, Luera (Madera), Marsh, Swallow, Triplitt (Madera)

CHILD DEVELOPMENT (MAJOR #R.5610.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.

CHDEV 1	Principles and Practices of Teaching Young Children	3
CHDEV 3	Introduction to Curriculum	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs	3
CHDEV 20	Observation and Assessment	3
CHDEV 30	Child, Family, and Community	3
CHDEV 37A	Early Childhood Practicum	3
CHDEV 39	Child Growth and Development	3
	Total Units	24

Advisor(s): Barajas, Davidson, Luera (Madera), Marsh, Swallow

EARLY INTERVENTION ASSISTANT (MAJOR #R.561R.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.

CHDEV 3	Introduction to Curriculum	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education	3
CHDEV 11	The Young Child with Special Needs	3
CHDEV 15	Diversity and Culture in Early Care and Education Programs	3
CHDEV 16	Early Intervention	3
CHDEV 17A	Infant and Toddler Practicum	3
CHDEV 20	Observation and Assessment	3
CHDEV 30	Child, Family, and Community	3
CHDEV 39	Child Growth and Development	3
CHDEV 49	Guidance for Young Children	3
	Total Units	30

Advisor(s): Barajas, Davidson, Luera (Madera), Marsh, Swallow, Triplitt (Madera)

FAMILY CHILD CARE (MAJOR #R.561S.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.

Required Courses

CHDEV 3	Introduction to Curriculum	3
CHDEV 6	Health, Safety and Nutrition in Early Childhood Education	3
CHDEV 30	Child, Family, and Community	3
CHDEV 39	Child Growth and Development	3
CHDEV 151	Introduction to Family Child Care	1
CHDEV 152	Quality Programs in Family Child Care	1
	Total Units	14

Advisor(s): Barajas, Davidson, Luera (Madera), Marsh, Swallow, Triplitt (Madera)

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

Required Core Courses

COMM 2	Interpersonal Communication	3
COMM 4	Persuasion	3
COMM 8	Group Communication	3
COMM 25	Argumentation	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
JOURN 1	Introduction to Mass Communications	3
PHIL 2	Critical Reasoning and Analytic Writing	3
	Total Units	18

Advisor(s): Buldo, Carvalho Cooley, Cooper, Millar (Madera), Newton (Madera)

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.

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 25	Argumentation	3
	Total Units	12

Advisor(s): Buldo, Carvalho Cooley, Cooper, Millar (Madera), Newton (Madera)

COMPUTER SCIENCE

Program Learning Outcomes:

- Understand the social impact of computers on human society
- Carry out computer related tasks with professional ethics
- Write programs using procedural programming language
- Write programs using object oriented programming language
- Analyze and solve application problems in science and engineering
- Write programs using advanced programming concepts

COMPUTER SCIENCE (MAJOR #R.6921.AS)
ASSOCIATE IN SCIENCE DEGREE

Upon completion of the program, students should be able to understand the social impact of computers on human society, carry out computer related tasks with professional ethics, and write programs using both procedural and object oriented programming languages.

Transfer Purpose: To prepare students for transfer into four-year computer science programs. Students planning to transfer to a four-year college or university should familiarize themselves with the computer science program requirements at the school to which they will transfer.

Computer Science Core		
CSCI 26	Discrete Mathematics for Computer Science	4
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 45	Computer Organization and Assembly Language Programming	4
MATH 5A	Math Analysis I	4
MATH 5B	Math Analysis II	4
PHYS 2A	General Physics I	
	or	
PHYS 4A	Physics for Scientists and Engineers	4
PHYS 2B	General Physics II	
	or	
PHYS 4B	Physics for Scientists and Engineers	4
Recommended courses:		
MATH 5A	Math Analysis I	
MATH 5B	Math Analysis II	
PHYS 2A	General Physics I	
PHYS 2B	General Physics II	
	Total Units	20

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):

ENLG 1A**	Reading and Composition	4
ENLG 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
ASTRO 20	Introduction to Cosmology	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 1	Principles of Biology	4
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	3
MATH 4A	Trigonometry	4
MATH 4B	Pre-Calculus	4
MATH 5A	Math Analysis I	5
MATH 5B	Math Analysis II	4
MATH 6	Math Analysis III	4
MATH 10A	Structure and Concepts in Mathematics I	3
MATH 10B	Structure and Concepts in Mathematics II	3
MATH 11 **	Elementary Statistics	4
MATH 11C**	Elementary Statistics with Support	5
MATH 17	Differential Equations and Linear Algebra	5
MATH 45	Contemporary Mathematics	3
PLS 9	Biometrics	3
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 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
CHIN 1	Beginning Chinese	4
CHIN 2	High-Beginning Chinese	4
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
FILM 2A	History of Cinema 1895-1960	3
FILM 2B	History of Cinema 1960-Present	3
FILM 3	Film and Culture	3
FRENCH 1	Beginning French	4
FRENCH 2	High-Beginning French	4
FRENCH 3	Intermediate French	4
FRENCH 4	High-Intermediate French	4
GERMAN 1	Beginning German	4
GERMAN 2	High-Beginning German	4
GERMAN 3	Intermediate German	4
GERMAN 4	High-Intermediate German	4
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 1	Beginning Spanish	4
SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	4
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4	High-Intermediate Spanish	4
SPAN 4NS	Spanish for Spanish Speakers	4
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
CHDEV 38**	Lifespan Development	3
CHDEV 39	Child Growth and Development	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
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

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 Child Development 38)	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

AREA E. Life Long Learning and Self-Development:
A minimum of 3 semester units.

CHDEV 38 **	Lifespan Development	3
CHDEV 39	Child Growth and Development	3
COUN 53	College and Life Management	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 (CHDEV 38 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	4
MATH 4B	Precalculus	4
MATH 5A	Math Analysis I	5
MATH 5B	Math Analysis II	4
MATH 6	Math Analysis III	5
MATH 11	Elementary Statistics	4
MATH 11C	Elementary Statistics with Support	5
MATH 17	Differential Equations and Linear Algebra	5
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
CHIN 2	High-Beginning Chinese	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 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	4
FRENCH 3	Intermediate French	4
FRENCH 4	High-Intermediate French	4
GERMAN 2	High-Beginning German	4
GERMAN 3	Intermediate German	4
GERMAN 4	High-Intermediate German	4
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	4
SPAN 3	Intermediate Spanish	4
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4	High-Intermediate Spanish	4
SPAN 4NS	Spanish for Spanish Speakers	4
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

3A Arts

ANTHRO 1	Biological Anthropology	3
ANTHRO 2	Cultural Anthropology	3
ANTHRO 3	Introduction to Archaeology and Prehistory	3
CHDEV 38	Lifespan Development	3
CHDEV 39	Child Growth and Development	3
COMM 10	Intercultural Communication	3
CRIM 13	The Constitution and Your Individual Rights	3
CRIM 14	Multicultural Issues within Public Safety	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

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
ASTRO 20	Introduction to Cosmology	4
CHEM 1A	General Chemistry	5
CHEM 1B	General Chemistry and Qualitative Analysis	5
CHEM 3A	Introductory General 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

BIOL 1	Principles of Biology	4
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 2	Soils	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
CHIN 1	Beginning Chinese	4
CHIN 2	High-Beginning Chinese	4
FRENCH 1	Beginning French	5
FRENCH 2	High-Beginning French	4
FRENCH 3	Intermediate French	4
FRENCH 4	High-Intermediate French	4
GERMAN 1	Beginning German	4
GERMAN 2	High-Beginning German	4
GERMAN 3	Intermediate German	4
GERMAN 4	High-Intermediate German	4
SPAN 1	Beginning Spanish	4
SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	4
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 4	High-Intermediate Spanish	4
SPAN 4NS	Spanish for Spanish Speakers	4

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

Advisor(s): Cartwright (Madera), Montejano

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

Advisor(s): Cartwright (Madera), Montejano

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

Advisor(s): Cartwright (Madera), Montejano

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

Advisor(s): Cartwright (Madera), Montejano

DENTAL ASSISTING

Program Learning Outcomes:

- Demonstrate skills needed to assist the dentist at chairside utilizing four-handed dentistry techniques in team concepts: instrumentation and maintaining the operating field.
- Demonstrate skills and knowledge needed to expose, process, and evaluate diagnostic films and pass the State Radiology Exam at 75% or better.

DENTAL ASSISTING (MAJOR #R.4540.AS)
ASSOCIATE IN SCIENCE DEGREE

Purpose: To provide a 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.

DA 101	Dental Assisting 1	22
DA 102	Dental Assisting 2	13
DA 103	Dental Assisting 3	3
	Total Units	38

Advisor(s): Parento, S. Sorensen

Additional Requirements: Completion of one year of high school computer keyboarding or the equivalent prior to completion of the dental assisting program. Completion of an American Heart Association or American Red Cross approved CPR Healthcare Providers course 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, radiology film holder, and designated clinic attire. Immunization for Hepatitis B is recommended. Radiology courses cannot be taken during pregnancy.

Additional Information: 300 hours of supervised clinical training provides the student with an opportunity to refine his/her skills. Graduates of the DA 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 coronal polish and oral radiology courses are approved by the Dental Board of California.

DENTAL ASSISTING (MAJOR #R.4540.CA)
CERTIFICATE OF ACHIEVEMENT

Purpose: To provide a 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.

DA 101	Dental Assisting 1	22
DA 102	Dental Assisting 2	13
DA 103	Dental Assisting 3	3
	Total Units	38

Advisor(s): Parento, S. Sorensen

Additional Requirements: Completion of one year of high school computer keyboarding or the equivalent prior to completion of the dental assisting program. Completion of an American Heart Association or American Red Cross approved CPR Healthcare Providers course 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, radiology film holder, and designated clinic attire. Immunization for Hepatitis B is recommended. Radiology courses cannot be taken during pregnancy. Additional Information: 300 hours of supervised clinical training provides the student with an opportunity to refine his/her skills. Graduates of the DA 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 coronal polish and oral radiology courses are approved by the Dental Board of California.

DEVELOPMENTAL SERVICES

CERTIFICATE IN DEVELOPMENTAL SERVICES CERTIFICATE IN LIFE SKILLS COMMUNITY EMPHASIS CERTIFICATE

(MAJOR #R.999A.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:

- Articulate awareness about their rights and responsibilities in being a contributing citizen within their community.
- Demonstrate appropriate interaction skills in social settings.
- Demonstrate awareness of their individual health and life management needs.

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
Community Emphasis - choose a minimum of 5 units		5
DEVSER 240	Transition to College for Students with Disabilities	1
DEVSER 270	Money Skills	2
DEVSER 271	Life Skills	2
DEVSER 272	Consumer Skills	2
DEVSER 273	Independent Living Skills	2
	Total Units	15

Advisor(s): Affeldt, Calhoun, Trimble

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

ENGINEERING

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.
- Conduct experiments as well as analyze and interpret the data resulting from these experiments.
- 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		4
ENGR 2	Engineering Graphics	4
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	25-27

Advisor(s): Heathcote

ENGLISH

CERTIFICATE IN CREATIVE WRITING (MAJOR #R.5300.CN)

Purpose: To prepare students with the skill and knowledge necessary to pursue their on creative writing projects for publication and/or personal enrichment. The certificate in creative writing ill also validate the experience of the student entering a creative writing program at a four-year college or university.

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
	Total Units	12

It is recommended that students take as many literature classes as possible in conjunction with their creative writing classes during the course of their program.
Advisor(s): Apperson

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 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
FILM 1	Introduction to Film Studies	3
FILM 2A	History of Cinema: 1895-1960	3
FILM 2B	History of Cinema: 1960 to present	3
JOURN 1	Introduction to Mass Communications	3
JOURN 3	News Writing	3
LIBSKL 1	Information/Research Skills	1
LIBSKL 2	Information and Computer Literacy	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, Berg, Dominguez, Garza, Karle, Kaser (Madera), Lapp, LaSalle, Leech (Madera), Levine, Palsgaard (Madera), Ramirez (Madera), R. Snyder, Stamper, Young-Manning (Madera), Watts

ENGLISH AS A SECOND LANGUAGE

ACADEMIC AND VOCATIONAL ENGLISH AS A SECOND LANGUAGE (MAJOR #R.3031.CC)

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. 100
- Write multiple-draft, source-based essays of at least 1200 words with limited second-language errors. 100
- Compose in-class timed essays with limited second-language errors on an assigned topic related to class readings.

Required Courses		
ESL 315	Advanced Academic Reading and Writing	
ESL 325W	High Intermediate Academic Writing	
ESL 326R	High Intermediate Academic Reading	
Select one elective		
ESL 327G	High-Intermediate Academic Grammar	
ESL 366R	Intermediate Academic Reading and Vocabulary	
ESL 366W	Intermediate Academic Writing	
ESL 366G	Intermediate Academic Grammar	
ESL 366LS	Intermediate Listening and Speaking	

Advisor(s): Al Haider, Frampton (Madera), Nippoldt

BASIC ENGLISH AS A SECOND LANGUAGE

(MAJOR #R.3010.CC)

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.

Certificate Student 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 Courses		
ESL 360	Low-Beginning Reading, Writing and Grammar	
ESL 361I	Beginning Reading, Writing and Grammar	
One elective from		
ESL 360LS	Low-Beginning Listening and Speaking	
ESL 361LS	Beginning Listening and Speaking	
	Total Units	0

Advisor(s): Al Haider, Frampton (Madera), Nippoldt

INTERMEDIATE ACADEMIC AND VOCATIONAL ENGLISH AS A SECOND LANGUAGE (MAJOR #R.3020.CC)
CERTIFICATE OF COMPETENCY

The Certificate of Competency in Intermediate Academic and Vocational English as a Second Language prepares high-beginning to low-intermediate ES 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 earning 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 paragraph at the low-intermediate level;
- Identify and correct common ESL writing errors at the low-intermediate level ;
- 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 Courses

ESL 364	High-Beginning Reading, Writing and Grammar	
ESL 365RE	Low-Intermediate Academic Reading	
ESL 365WR	Low-Intermediate Academic Writing	
Select one elective		
ESL 364LS	High-Beginning Listening and Speaking	
ESL 365G	Low-Intermediate Academic Grammar	
ESL 365LS	Low-Intermediate Listening and Speaking	
	Total Units	0

Advisor(s): Al Haider, Frampton (Madera), 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): S. Rodriguez, 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 Courses		6
ART 37A	Photoshop: Digital Visual Art	
	or	
ART 38	Painter: Computer Digital Imaging	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, C. Snyder, Norton (Madera)

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		32
FLGHT 101	Private Pilot 1 Ground School	3
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	3
FLGHT 109	Private Pilot 2 Simulation Lab	.5
FLGHT 111	Instrument Rating Ground School	4
FLGHT 113	Advanced Meteorology	2
FLGHT 115	Instrument Rating Flight Lab	2
FLGHT 117	Instrument Rating Simulation Lab	.5
FLGHT 121	Commercial Pilot Ground School	4
FLGHT 125	Commercial Pilot 1 Flight Lab	2
FLGHT 126	Commercial Pilot 2 Flight Lab	2.5
FLGHT 131	Flight Instructor Ground School	4
FLGHT 135	Flight Instructor Flight Lab	1.5
General Education and Graduation Requirements		28-36
	Total Units	60-68

Advisor(s): Asman, Zielke

FLIGHT SCIENCE

Reedley College offers a complete program for professional pilot training, including ground school and flight lab courses. Simulation lab and ground school courses (academic classes) are taught at the Reedley College campus, in Reedley. The flight lab courses are conducted at Fresno Yosemite International Airport, 4955 E. Anderson Road, Suite 117, Fresno, CA 93727.

Instructors in the program are directly employed by Reedley College to teach all flight lab, simulation lab, and ground school courses. Flight lab courses are taught utilizing leased aircraft. All flight, simulation, and ground instruction is taught in compliance with Federal Aviation Regulations Part 61.

Each flight lab course has a specific amount of flight time and instructor time that each student must complete in order to fulfill the course's educational objectives. The amount of training time and the cost of each flight lab is set and cannot be changed based on student proficiency. All lab costs are mandatory and charged to all students enrolled in a particular course. Students must complete all flight time and instructor time listed in order to pass a flight lab course for college credit.

The FAA and the College have specific attendance policies for all flight lab, simulation lab, and ground school courses. A full description of the applicable attendance policies is available in the Reedley College Flight Science Program Handbook. Adherence to the published attendance policy is strictly monitored. Students entering the program must have at least 20 hours per week available (outside of other classes and travel time) to complete the flight lab courses. Flying on weekends will be required.

Enrollment in the flight lab courses requires the student to hold a valid 3rd Class (or higher) medical certificate from the FAA. It is strongly recommended that any student planning to become an airline pilot hold a 1st Class medical certificate prior to beginning the program. See the Program Handbook for more information.

Citizens of the United States must provide proof of eligibility to flight train in the U.S. by presenting either 1) an original birth certificate plus a valid government issued photo ID or 2) a valid U.S. passport. All original (no copies) of documents must be presented to the instructor no later than the first day of the flight lab class meeting. Citizens of other countries must be approved in advance by the Department of Transportation Security Administration. Documentation of TSA approval will also need to be verified by the instructor before the student can be admitted to the flight lab class. See the Program Handbook for more information.

The ground school, simulation lab, and flight lab courses must be taken in the required sequence. A student can expect to earn all the pilot certificates in six semesters. It is highly encouraged that every student take all applicable FLGHT courses in consecutive semesters (including the summer). Taking a semester "off" will reduce the student's flight proficiency and reduce the likelihood of the student passing the next flight lab course on the first attempt. Refer to the Program Handbook for information related to missing a semester and course repeats.

FLGHT lab costs are subject to change each semester and are published in the Schedule of Classes for each semester. Lab cost changes, should they be necessary, will be publicized and students already enrolled in the Flight Science program will be notified in a timely manner of any changes. Additional standard college fees (parking permits, health fee, etc.) apply to FLGHT students; those fees are itemized elsewhere in the college catalog.

Students are highly encouraged to contact the Reedley College Financial Aid office to apply for federal financial aid and any private financing applicable. Scholarships may be available for qualifying students.

Please consult the Reedley College Flight Science Program Handbook or contact flightscience@reedleycollege.edu or call (559) 638-0300 extension 3475 for any questions relating to this degree.

INSTRUCTIONAL FACILITIES

Qualified instructors are employed by Reedley College (RC) to provide instruction in all Flight Science courses, including ground school, simulation lab, and flight lab classes. Aircraft and airport facilities are leased to the College through a contractual arrangement.

Formal ground school courses and simulation labs are taught at the Reedley College campus. Flight lab courses are taught at the Fresno Yosemite International Airport.

INSTRUCTIONAL SCHEDULE

The schedule for flight lab courses complies with the College academic calendar. Flight training hours specified for each flight lab course must be logged by each student by the end of each term. Students will be given an Incomplete (I) grade if training is not complete before term end date. Students will follow RC Incomplete grade policy to complete all course work. For students qualifying for veteran's benefits, receiving an incomplete may jeopardize continued support and may result in the student owing unused funds back to the federal government. Please consult the Program Handbook and contact Reedley College's Financial Aid Department directly if you have questions.

STUDENTS QUALIFYING FOR VETERAN'S BENEFITS

Students in the Flight Science program qualifying for financial support through the U.S. Department of Veteran's Affairs (VA) are required to meet with Reedley College Financial Aid Certifying Official to review their status at the beginning and end of each term. The RC Certifying Official will request funds for flight training at the beginning of each semester. VA benefits are applicable only to the required and approved amount of flight hours; additional flight hours, over and above those needed to complete the degree and approved by the VA, must be paid for by the student. Any unused approved funding must be returned to the VA at the end of the term.

The U.S. Department of Veteran's Affairs will reimburse for flight training with the aircraft listed in the fee schedule below for each classes. VA beneficiaries choosing to utilize more expensive aircraft for training purposes for the same class will not be reimbursed by the VA for the more expensive aircraft. Similarly, the use of veteran education benefits are limited to the hours outlined in each course syllabus. Training expenses incurred beyond the assigned hours to complete a course are not approved for veteran educational benefits and therefore will be at the student's expense.

The number of students that may enter this program using VA benefits is limited each semester. This number may vary by semester and is based on current U.S. Department of Veteran's Affairs policies.

MISCELLANEOUS INFORMATION

Where not otherwise noted, Flight Science courses adhere to RC policy in regards to refunds, withdrawal, attendance, and academic progress.

HOURLY AIRCRAFT RATES; OTHER PROGRAM COSTS

The current costs associated with each course offered in the Flight Science Program at Reedley College are presented in the tables below. Flight Science program lab fees are subject to change each semester.

INSTRUCTORS AND COORDINATORS FOR FLIGHT SCIENCE

FLGHT Lab courses in which FAA flight time is provided will be taught by a Reedley College employee who holds a valid FAA Certified Flight Instructor Certificate.

FLGHT Ground School courses where FAA aeronautical knowledge is provided will be taught by a Reedley College employee who holds either a valid FAA Certified Flight Instructor Certificate or a valid Certified Ground Instructor Certificate.

FLGHT Courses that are not lab or ground schools may be taught by any normally-credentialed Aeronautics faculty.

Flight Science Degree Costs with Lab Costs for students under 220 lbs.

Students who weigh less than 220 lbs may use this cost table. Students who weigh over 220 lbs. and no more than 250 lbs. must use the Degree Costs for students over 220 lbs. Reedley College does not have aircraft with the capacity for students over 250 lbs.

COSTS 2019-2020

Flight courses with lab costs are listed below by course number and title. The Dual/Solo/AATD Simulator times for each course appear on the line immediately following the course title.

The enrollment fees and lab cost totals listed below represent the maximum VA reimbursement for each course. Enrollment fees are based on the number of credit hours attributed to each course. All costs below are mandatory for all students.

FLGHT courses not listed below (such as FLGHT 101, 102, 107, etc.) have standard enrollment fees of $46/credit hour and no (zero) associated lab costs.

Hourly rates for aircraft, AATD, and CFIs for 2019-2020 academic year follow:

VFR Aircraft (Piper PA-38)	$130.00
IFR Aircraft (Piper PA-28)	$167.00
Complex Aircraft (Piper PA-28R)	$199.00
AATD Simulator	$85.00
Enrollment Fees per credit hour	$46.00
Flight Instructor Costs per hour (all courses)	$55.00

Enrollment fees and lab costs by course number:

FLGHT 105 PRIVATE PILOT FLIGHT

(Total Aircraft Hours: 30/Dual, 5/Solo, 0/AATD)

VFR Aircraft Cost (35 hrs)	$4,550.00
Flight Instructor Cost (30 hrs flight + 17.5 pre/post = 49.5 hrs)	$2,722.50
Total Flight Lab Costs	$7,272.50
Enrollment Fee (1 credit)	$46.00
Total covered by VA benefits	$7,318.50

FLGHT 106 ADVANCED PRIVATE PILOT FLIGHT

(Total Aircraft Hours: 30/Dual, 7/Solo, 0/AATD)

VFR Aircraft Cost (35 hrs)	$4,810.00
Flight Instructor Cost (30 hrs flight + 24.5 pre/post = 54.5 hrs)	$2,997.50
Total Flight Lab Costs	$7,807.50
Enrollment Fee (1.5 credits)	$69.00
Total covered by VA benefits	$7,876.50

FLGHT 115 INSTRUMENT PILOT FLIGHT

(Total Aircraft Hours: 30/Dual, 2/Solo, 20/AATD)

IFR Aircraft Cost (32 hrs)	$5,344.00
AATD Cost (20 hrs)	$1,700.00
Flight Instructor Cost (30 hrs flt + 30 pre/post + 20 AATD = 80 hrs)	$4,400.00
Total Flight Lab Costs	$11,444.00
Enrollment Fee (2 credits)	$92.00
Total covered by VA benefits	$11,536.00

FLGHT 125 COMMERCIAL PILOT FLIGHT

(Total Aircraft Hours: 15/Dual, 50/Solo, 0/AATD)

VFR Aircraft Cost (65 hrs)	$8,450.00
Flight Instructor Cost (15 hrs flight + 11 pre/post = 26 hrs)	$1,430.00
Total Flight Lab Costs	$9,880.00
Enrollment Fee (2 credits)	$92.00
Total covered by VA benefits	$9,972.00

FLGHT 126 ADVANCED COMMERCIAL PILOT FLIGHT
(Total Aircraft Hours: 30/Dual VFR, 25/Solo, 10/Dual Complex, 0/AATD)

VFR Aircraft Cost (55 hrs)	$7,150.00
Complex Aircraft Cost (10 hrs)	$1,990,00
Flight Instructor Cost (40 hrs flt + 29 pre/post = 69 hrs)	$3,795.00
Total Flight Lab Costs	$12,935.00
Enrollment Fee (2.5 credits)	$115.00
Total covered by VA benefits	$13,050.00

FLGHT 135 FLIGHT INSTRUCTOR FLIGHT
(Total Aircraft Hours: 24/Dual, 2/Solo, 0/AATD)

VFR Aircraft Cost (26 hrs)	$3,380.00
Flight Instructor Cost (24 hrs flt + 25 pre/post = 49 hrs)	$2,695.00
Total Flight Lab Costs	$6,075.00
Enrollment Fee (1.5 credits)	$69.00
Total covered by VA benefits	$6,144.00

Flight Science Degree Courses with Lab Costs for students over 220 lbs. and under 250 lbs.

Reedley College does not have aircraft with the capacity for students over 250 lbs. Students under 220 lbs. may use the Degree Cost Table for under 220 lbs.

COSTS 2019-2020

Flight courses with lab costs are listed below by course number and title. The Dual/Solo/AATD Simulator times for each course appear on the line immediately following the course title.

The enrollment fees and lab cost totals listed below represent the maximum VA reimbursement for each course. Enrollment fees are based on the number of credit hours attributed to each course. Extra costs for substituting the IFR Aircraft (PA-28) for the VFR Aircraft (PA-38) to allow student weights of 220-250 lbs., are NOT covered by VA benefits and are listed separately for each course where applicable. All costs below are mandatory for all students.

FLGHT courses not listed below (such as FLGHT 101, 102, 107, etc.) have standard enrollment fees of $46/credit hour and no (zero) associated lab costs.

Hourly rates for aircraft, AATD, and CFIs for 2019-2020 academic year follow:

VFR Aircraft (Piper PA-38)	$130.00
IFR Aircraft (Piper PA-28)	$167.00
Complex Aircraft (Piper PA-28R)	$199.00
AATD Simulator	$85.00
Extra cost when substituting PA-28 for PA-38 (for students between 220-250 lbs.)	$37.00
Enrollment Fees per credit hour	$46.00
Flight Instructor Costs per hour (all courses)	$55.00

Enrollment fees and lab costs by course number:

FLGHT 105 PRIVATE PILOT FLIGHT
(Total Aircraft Hours: 30/Dual, 5/Solo, 0/AATD)

VFR Aircraft Cost (35 hrs)	$4,550.00
Flight Instructor Cost (30 hrs flight + 17.5 pre/post = 49.5 hrs)	$2,722.50
Total Flight Lab Costs	$7,272.50
Enrollment Fee (1 credit)	$46.00
Total covered by VA benefits	$7,318.50
Extra cost not covered by VA benefits (using IFR Aircraft instead of VFR Aircraft)	$1,295.00

FLGHT 106 ADVANCED PRIVATE PILOT FLIGHT
(Total Aircraft Hours: 30/Dual, 7/Solo, 0/AATD)

VFR Aircraft Cost (35 hrs)	$4,810.00
Flight Instructor Cost (30 hrs flight + 24.5 pre/post = 54.5 hrs)	$2,997.50
Total Flight Lab Costs	$7,807.50
Enrollment Fee (1.5 credits)	$69.00
Total covered by VA benefits	$7,876.50
Extra cost not covered by VA benefits (using IFR Aircraft instead of VFR Aircraft	$1,369.00

FLGHT 115 INSTRUMENT PILOT FLIGHT
(Total Aircraft Hours: 30/Dual, 2/Solo, 20/AATD)

IFR Aircraft Cost (32 hrs)	$5,344.00
AATD Cost (20 hrs)	$1,700.00
Flight Instructor Cost (30 hrs flt + 30 pre/post + 20 AATD = 80 hrs)	$4,400.00
Total Flight Lab Costs	$11,444.00
Enrollment Fee (2 credits)	$92.00
Total covered by VA benefits	$11,536.00
Extra cost not covered by VA benefits (using IFR Aircraft instead of VFR Aircraft)	$0

FLGHT 125 COMMERCIAL PILOT FLIGHT
(Total Aircraft Hours: 15/Dual, 50/Solo, 0/AATD)

VFR Aircraft Cost (65 hrs)	$8,450.00
Flight Instructor Cost (15 hrs flight + 11 pre/post = 26 hrs)	$1,430.00
Total Flight Lab Costs	$9,880.00
Enrollment Fee (2 credits)	$92.00
Total covered by VA benefits	$9,972.00
Extra cost not covered by VA benefits (using IFR Aircraft instead of VFR Aircraft)	$2,405.00

FLGHT 126 ADVANCED COMMERCIAL PILOT FLIGHT
(Total Aircraft Hours: 30/Dual VFR, 25/Solo, 10/Dual Complex, 0/AATD)

VFR Aircraft Cost (55 hrs)	$7,150.00
Complex Aircraft Cost (10 hrs)	$1,990,00
Flight Instructor Cost (40 hrs flt + 29 pre/post = 69 hrs)	$3,795.00
Total Flight Lab Costs	$12,935.00
Enrollment Fee (2.5 credits)	$115.00
Total covered by VA benefits	$13,050.00
Extra cost not covered by VA benefits (using IFR Aircraft instead of VFR Aircraft)	$2,035.00

FLGHT 135 FLIGHT INSTRUCTOR FLIGHT
(Total Aircraft Hours: 24/Dual, 2/Solo, 0/AATD)

VFR Aircraft Cost (26 hrs)	$3,380.00
Flight Instructor Cost (24 hrs flt + 25 pre/post = 49 hrs)	$2,695.00
Total Flight Lab Costs	$6,075.00
Enrollment Fee (1.5 credits)	$69.00
Total covered by VA benefits	$6,144.00
Extra cost not covered by VA benefits (using IFR Aircraft instead of VFR Aircraft)	$962.00

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): Kinney, Long, Soderlund

FOREST SURVEYING TECHNOLOGY (MAJOR #R.6830.CA) CERTIFICATE OF ACHIEVEMENT

Purpose: To provide students with 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. Following completion of this program, students will be able to enter the workforce with specialized surveying, mapping, GIS, GPS, and photo interpretive training.

Required Courses		
NR 8	Natural Resources Career Preparation	1
MATH 103	Intermediate Algebra	5
NR 3	Computers in Natural Resources	1
NR 17	Introduction to Forest Surveying	3
NR 18	Aerial Photo Interp. & Geographic Information Systems	3
NR 20	Forest Measurements	3
NR 19V	Cooperative Work Experience, Natural Resources	4
Select two (2):		1
NR 108	Introduction to Forestry Field Studies	
NR 109	Forestry Field Studies I	
NR 110	Forestry Field Studies II	
NR 115	Advanced Field Studies I	
NR 116	Advanced Field Studies II	
	Total Units	21

Advisor(s): Kinney, Long, 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. Communicate effectively, including use of proper presentation and interpretative techniques to, the public and co-workers, using diverse media.
2. Utilize and apply digital/electronic technology and specialized software programs for forest mapping, inventorying, and communication.
3. 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.
4. Perform technical skills important for entry level positions in the forestry and natural resources field.
5. Successfully secure and maintain seasonal employment in the forestry and natural resources field while demonstrating professional ethics.
6. Describe scientific concepts and processes which affect the sustainability of natural resources.

Required Courses		**34**
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	Aerial Photo Interp. & 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

Selected Electives - select at least 5 units from following 5

NR 5	Wildland Fire Technology	3
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3
NR 21	Forest Products	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 36	Natural Resources Law Enforcement	3
NR 42	Advanced Wildland Fire Technology	2
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): Kinney, Long, Soderlund

FORESTRY AND NATURAL RESOURCES TRAINING

(MAJOR #R.1107.CA)

CERTIFICATE OF ACHIEVEMENT

Purpose: To provide students with 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 forestry and 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 natural resources field i.e. wildlife management, wildfire suppression and outdoor recreation/interpretation.
- Successfully secure and maintain seasonal employment in the 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 3	Computers in Natural Resources	1
NR 4	Forest Ecosystems	3
NR 6	Dendrology	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 4 units from following:		4
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	16

Advisor(s): Kinney, Long, Soderlund

FORESTRY/NATURAL RESOURCES (MAJOR #R.110C.AS) ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree in Forestry and 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 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 national park systems, and other resource agencies such as the California Department of Fish and Game, Cal ire, 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, forest surveying, and watershed management.

NR 1	Introduction to Forestry	3
NR 3	Computers in Natural Resources	1
NR 4	Forest Ecosystems	3
NR 5	Wildland Fire Technology	3
NR 6	Dendrology	3
NR 7	Conservation of Natural Resources	3
NR 8	Natural Resources Career Preparation	1
NR 11	Silviculture	3
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3
NR 17	Introduction to Forest Surveying	3
NR 18	Aerial Photo Interpretation & Geographic Information Systems	3
NR 19V	Cooperative Work Experience, Forestry	3
NR 20	Forest Measurements	3
NR 25	Forest and Resource Management	1
NR 35	Interpretation of Natural Resources	3
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
Select 4 units from the following		4
NR 21	Forest Products	3
NR 30	Forest Recreation	3
NR 31	Animal Packing	2
NR 32A	Museum Techniques - Beginning Taxidermy	1
NR 36	Natural Resources Law Enforcement	3
NR 42	Advanced Wildland Fire Technology	2
NR 90	Backpacking	1
NR 91	Wilderness Navigation	1
NR 92	Wilderness Survival	1
NR 133	Introduction to Chainsaw Operations	1
	Total Units	48

Advisor(s): Kinney, Long, Soderlund

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.

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	Aerial Photo Interp. & 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 42	Advanced Wildland Fire Technology	2
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): Kinney, Long, Soderlund

FORESTRY TECHNICIAN FIREFIGHTING EMPHASIS

(MAJOR #R.1105.CA)

CERTIFICATE OF ACHIEVEMENT

Purpose: To provide students with the knowledge, training, and practical experience to pursue a career in Wildland Fire Management which includes the fields of fuels management and fire suppression. Students are exposed to principles and philosophies of wildfire ecology, hazard fuels reduction and how they directly relate to fire suppression management. In addition students will learn tactics and skills needed for safe operations on wildfires as well as prescribed fires. These skills and knowledge can lead to entry level job placement and advancement into supervisory and management positions with private companies, state and federal wildfire agencies

NR 5	Wildland Fire Technology	3
NR 8	Natural Resources Career Preparation	1
NR 42	Advanced Wildland Fire Technology	2
NR 44	Fire Ecology	3
NR 45	Fuels Management	3
NR 133	Introduction to Chainsaw Operations	1
Select 2 courses		1
NR 108	Introduction to Forestry Field Studies	
NR 109	Forestry Field Studies I	
NR 110	Forestry Field Studies II	
NR 115	Advanced Field Studies I	
NR 116	Advanced Field Studies II	
Select 6 units from the following:		6
NR 1	Introduction to Forestry	3
NR 4	Forest Ecosystems	3
NR 6	Dendrology	3
NR 11	Silviculture	3
NR 12	Watershed Ecology	3
NR 14	Principles of Wildlife Management	3
NR 18	Aerial Photo Interp. & Geographic Information Systems	3
NR 35	Interpretation of Natural Resources	3
NR 43	Wildland Fire Technology 2	3
NR 46	Wildland Fire Technology 3	1
	Total Units	20

Advisor(s): Kinney, Long, Soderlund

RECREATION AND INTERPRETATION TECHNIQUES

(MAJOR #R.1104.CA)

CERTIFICATE OF ACHIEVEMENT

Purpose: To provide students with 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.

COMM 1	Public Speaking	3
NR 6	Dendrology	3
NR 8	Natural Resources Career Preparation	1
NR 14	Principles of Wildlife Management	3
NR 19V	Cooperative Work Experience, Natural Resources	4
NR 30	Forest Recreation	3
NR 35	Interpretation of Natural Resources	3
Select two (2)		1
NR 108	Introduction to Forestry Field Studies	
NR 109	Forestry Field Studies I	
NR 110	Forestry Field Studies II	
NR 115	Advanced Field Studies I	
NR 116	Advanced Field Studies II	
Selected Electives - select at least 4 units from following:		4
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	21

Advisor(s): Kinney, Long, Soderlund

CERTIFICATE IN WILDFIRE RESOURCES SUPERVISORS

(MAJOR #R.1107.CN)

Purpose: To provide students 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 attainment in wildland fire.

NR 5	Wildland Fire Technology	3
NR 133	Introduction to Chainsaw Operations	1
NR 150	Incident Command System 200	.75
NR 151	Portable Pumps and Water Use	1
NR 157	S230 Crew Boss (Single Resource)	1.25
NR 158	S-231 Engine Boss	1
	Total Units	8

Advisor(s): Kinney, Long, Soderlund

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

HUMAN SERVICES

HUMAN SERVICES (MAJOR #R.7420.CA)
CERTIFICATE OF ACHIEVEMENT

This certificate of achievement will provide students a breadth of Social Work and Social Welfare knowledge. Students will be able to become employed in entry level social work occupations, which offer an occupational career ladder in the field. Students will demonstrate knowledge and skills in working within the social work and social welfare agencies, be able to address social issues such as poverty, mental illness, crime, violence, divorce, and drug abuse in our society. The students will gain intervention skills to address the barriers within the human service field.

ACCTG 40	Applied Accounting	4
HS 20	Introduction to Social Welfare	3
HS 24	Fundamentals of Interviewing and Counseling	3
HS 30	Group and Community Social Services	3
HS 19V	Occupational Work Experience, Human Services	2
IS 12	Computer Literacy	
or		
IS 15	Computer Concepts	3
	Total Units	18

Advisor(s): de la Cruz Pulido

INFORMATION SYSTEMS

Program Learning Outcomes:

- Operate commonly used computer hardware and office software.
- Identify the categories of software by their purpose and provide examples of each category.
- Plan, design, and write stand-alone computer programs.
- Apply structured logic in analyzing and solving problems.
- Develop a well-designed relational database.
- Create a Web document that contains Hyperlinks, graphics, tables, and forms.
- Demonstrate a breadth of knowledge of networking and its uses in the business environment.

CERTIFICATE IN BASICS OF COMPUTERS
(MAJOR #R.2084.CN)

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 the course of study will be able to enter the workforce with a comprehensive understanding of the fundamental elements of computing in a business environment.

IS 15	Computer Concepts	3
IS 26A	Database Concepts and Design	3
IS 40A	Web Development with HTML	3
IS 60	Operating Systems	3
	Total Units	12

Advisor(s): Boyer, Cusaac (Madera), Morales

CYBER SECURITY SUPPORT (MAJOR #R.6976.CA)
CERTIFICATE OF ACHIEVEMENT

This program provides students with the knowledge, training, and hands-on experience to pursue a career as an Information Technology Cyber Security Technician professional in a business, government, or education environment. Students completing this program of study will be able to enter the workforce with a comprehensive understanding of computer hardware, system software, networking essentials, as well as the intermediate skills to protect computer networks against malicious attack, and to use currently available tools to perform network testing, penetration, and assessment of target networks.

Program Learning Outcomes:

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

- operate commonly used computer hardware and office software
- identify the categories of software by their purpose and provide examples of each category
- plan, design, and write stand-alone computer programs
- apply structured logic in analyzing and solving problems
- develop a well-designed relational database
- create a web document that contains hyperlinks, graphics, tables, and forms
- demonstrate a breadth of knowledge of networking and its uses in the business environment

IS 15	Computer Concepts	3
IS 60	Operating Systems	3
IS 63	Computer Networking I	3
IS 64	Computer Networking II	3
IS 70	Introduction to Cyber Security	3
IS 71	Cyber Security: Ethical Hacking	3
OT 17	Job Retention and Responsibilities	1
	Total Units	19

INFORMATION SYSTEMS (MAJOR #R.6934.CA)
CERTIFICATE OF ACHIEVEMENT

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 fundamental elements of computing in a business environment.

Program Learning Outcomes:

- Operate commonly used computer hardware and office software.
- Create a Web document that contains Hyperlinks, graphics, tables and forms.
- Demonstrate a breadth of knowledge of networking and its uses in the business environment.
- Plan, design, and write stand-alone computer programs.

BA 10	Introduction to Business	3
IS 15	Computer Concepts	3
IS 31	Introduction to Programming	3
IS 40A	Web Development with HTML	3
IS 60	Operating Systems	3
Select one course		3
IS 26A	Database Concepts and Design	3
IS 33	Beginning Java Programming	3
IS 40B	Advanced Internet Concepts and Design	3
IS 47	Visual Basic	3
IS 50A	Introduction to Game Programming	3
	Total Units	18

Advisor(s): Boyer, Cusaac (Madera), Morales

INFORMATION SYSTEMS, INFORMATION TECHNOLOGY SUPPORT OPTION (MAJOR #R.6951.AS)
ASSOCIATE IN SCIENCE DEGREE

The Associate in Science Degree is designed to provide students with the basic knowledge and skills necessary to pursue a career in Information Systems. Students completing the Business Department Core courses and the Information Systems Core courses and one of the two options (IT Support, or Web Programming and Design) will be able to enter the workforce with a comprehensive understanding of computer basics and a computing specialty (option) that can be applied in business, government, or education.

Program Learning Outcomes:

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

- operate commonly used computer hardware and office software
- identify the categories of software by their purpose and provide examples of each category
- plan, design, and write stand-alone computer programs
- apply structured logic in analyzing and solving problems
- develop a well-designed relational database
- create a web document that contains hyperlinks, graphics, tables, and forms
- demonstrate a breadth of knowledge of networking and its uses in the business environment.

Business Department Core		10
ACCTG 40	Applied Accounting	4
BA 5	Business Communications	3
BA 10	Introduction to Business	3
Information Systems Core		3
IS 40A	Web Development with HTML	3
IT support courses, select one option		11.5-12
Option 1, 11.5 units		
IS 15	Computer Concepts	3
IS 60	Operating Systems	3
IS 62	Computer Troubleshooting and Maintenance	2.5
IS 63	Computer Networking I	3
Option 2, 12 units		
IS 80	Computer Technician A+ Training	12
Select one math course		3-4
STAT 7	Elementary Statistics	4
BA 39	Finite Mathematics for Business	3
	Total Units	27.5 - 29

Advisor(s): Boyer, Cusaac (Madera), Morales

INFORMATION SYSTEMS, NETWORKING AND SECURITY

(MAJOR #R.6974.AS)

ASSOCIATE IN SCIENCE DEGREE

(Formerly Information Systems, Networking)

The Associate Degree is designed to provide students with the basic knowledge and skills necessary to pursue a career in information systems. Students completing the Business Department Core courses and the Information Systems Core courses and one of the four options (End User/Help Desk, Networking, or Web Programming) will be able to enter the workforce with a comprehensive understanding of computer basics and a computing specialty (option) that can be applied in business, government, or education.

Program Learning Outcomes:

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

- operate commonly used computer hardware and office software
- identify the categories of software by their purpose and provide examples of each category
- plan, design, and write stand-alone computer programs
- apply structured logic in analyzing and solving problems
- develop a well-designed relational database
- create a web document that contains hyperlinks, graphics, tables, and forms
- demonstrate a breadth of knowledge of networking and its uses in the business environment.

Business Department Core

ACCTG 40	Applied Accounting	4
BA 5	Business Communications	3
BA 10	Introduction to Business	3
IS 26A	Database Concepts and Design	3
IS 40A	Web Development with HTML	3

Information Systems Core, select one option 10-12

Option 1, 10 units

IS 15	Computer Concepts	3
IS 60	Operating Systems	3
IS 61	Computer Building and Configuration	1.5
IS 62	Computer Troubleshooting and Maintenance	2.5

Option 2, 12 units

IS 80	Computer Technician A+ Training	12

Networking and Security Courses, select one option 12

Option 1

IS 63	Computer Networking I	3
IS 64	Computer Networking II	3
IS 70	Introduction to Cyber Security	3
IS 71	Cyber Security: Ethical Hacking	3

Option 2

IS 81	Computer Network + and Security + Training	12

Select one math course 3-5

BA 39	Finite Mathematics for Business	3
MATH 5A	Math Analysis I	5
STAT 7	Elementary Statistics	4
	Total Units	41-45

Advisor(s): Boyer, Cusaac (Madera), Morales

INFORMATION SYSTEMS, NETWORKING AND SECURITY

(MAJOR #R.6974.CA)

CERTIFICATE OF ACHIEVEMENT

(Formerly Information Systems, Networking)

Program Learning Outcomes:

- Create a Web document that contains Hyperlinks, graphics, tables and forms.
- Develop a welldesigned relational database.
- Apply structured logic in analyzing and solving problems.
- Plan, design, and write stand-alone computer programs.

The purpose of this program is to provide students with the knowledge, training, and hands-on experience to pursue a career as a networking technician. Students completing this course of study will possess a fundamental understanding of computer networks and be able to enter the workforce as a technician in business, government, or education. These courses apply toward the Associate in Science Degree in Information Systems.

Select one option..... 20.5-24

Option 1, 20.5 units

IS 15	Computer Concepts	3
IS 26A	Database Concepts and Design	3
IS 40A	Web Development with HTML	3
IS 60	Operating Systems	3
IS 62	Computer Troubleshooting and Maintenance	2.5
IS 63	Computer Networking I	3
IS 64	Computer Networking II	3

Option 2, 24 units

IS 80	Computer Technician A+ Training	12
IS 81	Computer Network + and Security + Training	12

Total Units 20.5-24

Advisor(s): Boyer, Cusaac (Madera), Morales

INFORMATION SYSTEMS, WEB DEVELOPMENT OPTION

(MAJOR #R.6980.AS) *(formerly Information Systems, Web Programming and Design Option)*

ASSOCIATE IN SCIENCE DEGREE

Students successfully completing this program will have the basic knowledge and skills of programming and technologies used to create web based, mobile device, and stand-alone applications necessary to pursue a career in Information Systems. They will be able to enter the workforce with a comprehensive understanding of web design and web application development that can be applied in business, government, or education.

Program Learning Outcomes

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

1. operate commonly used computer hardware and office software
2. identify the categories of software by their purpose and provide examples of each category
3. plan, design, and write stand-alone computer programs
4. apply structured logic in analyzing and solving problems
5. develop a well-designed relational database
6. create a web document that contains hyperlinks, graphics, tables, and forms
7. demonstrate a breadth of knowledge of networking and its uses in the business environment

Business Department Core		6
BA 10	Introduction to Business	3
BA 5	Business Communications	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 26A	Database Concepts and Design	3
Select one math course		3-5
BA 39	Finite Mathematics for Business	3
MATH 5A	Math Analysis I	5
STAT 7	Elementary Statistics	4
	Total Units	25-27

INFORMATION SYSTEMS, WEB DEVELOPMENT CERTIFICATE OF ACHIEVEMENT(MAJOR #R.6980.CA)

(formerly Information Systems, Programming for the Web)

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:

1. Apply structured logic in analyzing and solving problems.
2. Create a Web document that contains Hyperlinks, graphics, tables and forms.
3. Plan, design, and write stand-alone computer programs.

IS 15	Computer Concepts	3
IS 26A	Database Concepts and Design	3
IS 31	Introduction to Programming	3
IS 40A	Web Development with HTML	3
IS 40B	Advanced Web Development	4
	Total Units	16

INFORMATION TECHNOLOGY SUPPORT TECHNICIAN

(MAJOR #R.6936.CA)

CERTIFICATE OF ACHIEVEMENT

This program provides students with the knowledge, training, and hands-on experience to pursue a career as an Information Technology Support Technician professional in business, government, or education. Students completing this program of study will be able to enter the workforce with a comprehensive understanding of computer hardware, system software, networking essentials, and needed people skills to maintain their job at a work place. These courses apply toward the Associate in Science degree in Information Systems.

Program Learning Outcomes:

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

- operate commonly used computer hardware and software
- identify the categories of software by their purpose and provide examples of each category
- apply structured logic in analyzing and solving problems
- demonstrate a breadth of knowledge of networking and its uses in the business environment.

Select one option from the following		12-14
Option 1, 14 units		
IS 15	Computer Concepts	3
IS 60	Operating Systems	3
IS 61	Computer Building and Configuration	1.5
IS 62	Computer Troubleshooting and Maintenance	2.5
IS 63	Computer Networking I	3
OT 17	Job Retention and Responsibilities	1
Option 2, 12 units		
IS-80 Computer Technician A+ Training		12
	Total Units	12-14

Advisor(s): Boyer, Cusaac (Madera), Morales

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 Outcome:

- 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 1	Principles of Biology	4
BIOL 2	Environmental Science	4
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 Outcome:

- 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 and BIOL 10L	Introduction to Life Science Lecture and 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
CHDEV 39	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

MAINTENANCE MECHANIC

CERTIFICATE IN MAINTENANCE MECHANIC

(MAJOR #R.8390.CN)

Upon completion of this program students will have a basic understanding of manufacturing principles and skills required for an entry level position in industry.

MM 251	Introduction to Manufacturing	.5
MM 252A	Trade Calculations	1
MM 252B	Programmable Controls	.5
MM 252C	Job Prep	.5
MM 252D	Technical Report Writing	.5
MM 253A	Fluid Power	.5
MM 253B	Pneumatic Fundamentals	.5
MM 253C	Hydraulic Fundamentals	.5
MM 254A	Power Transmission	.5
MM 254B	Welding Fundamentals	1
MM 254C	Electric Fundamentals	1
	Total Units	7

Advisor(s): Fransen, Hanson (Madera), Luchesi (Madera), Tikkanen

MANUFACTURING TECHNOLOGY

Program Learning Outcome:

- Organize and arrange workflows/ machine tool selection, hand tools and machine operations in a shop environment.

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, Hanson (Madera), Luchesi (Madera), 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, Hanson (Madera), Luchesi (Madera), Ornelas Tikkanen

MANUFACTURING 1 (MAJOR #R.8394.CA)
CERTIFICATE OF ACHIEVEMENT

After completing course work for Manufacturing Certificate 1, 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, Hanson (Madera), Luchesi (Madera), 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, Hanson (Madera), Luchesi (Madera), 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, Hanson (Madera), Luchesi (Madera), Ornelas, Tikkanen

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, Hanson (Madera), Luchesi (Madera), 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, Hanson (Madera), Luchesi (Madera), 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	Math Analysis I	5
MATH 5B	Math Analysis II	4
MATH 6	Math Analysis III	5
MATH 17	Differential Equations and Linear Algebra	5
Select one 1 from the following		4
MATH 11	Elementary 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, Kandarian (Madera), Kehoe, Mata (Madera), 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): Deftereos, Dinis, Wenter

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, Wenter

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): Deftereos, Dinis, Wenter

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): Deftereos, Dinis, Wenter

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): Deftereos, Dinis, J. Rodriguez, Wenter

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): Deftereos, Dinis, J. Rodriguez, Wenter

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): Deftereos, Dinis, J. Rodriguez, Wenter

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): Deftereos, Dinis, J. Rodriguez, Wenter

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

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.

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.

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): Snyder

MUSIC -- VOCAL (MAJOR #R.5820.AA)
ASSOCIATE IN ARTS DEGREE

Upon completion of the Associate of 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.

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

Advisors: Murphy, Snyder

NURSING

Program Learning Outcome:

- Upon successful completion of LVN 100 the student will be able to demonstrate correct assessment and documentation of the respiratory system.

LICENSED VOCATIONAL NURSING (MAJOR #R.4530.AS)
ASSOCIATE IN SCIENCE DEGREE

The vocational nursing program's purpose is to prepare vocational nurses to provide safe, ethical, responsible and competent nursing care. Safe, ethical nursing care includes but is not limited to knowledge of commonly used medications, using the nursing process to guide critical thinking, and understanding the role, responsibility and limitations (scope of practice) of the vocational nurse in California. Upon successful completion of the vocational nursing program and passing the licensure exam the vocational nurse is licensed to practice nursing as an LVN. Skills learned in the program allow the LVN to practice in numerous settings such as; hospitals, clinics, long term care facilities, rehabilitation facilities, physicians' offices, correction facilities, and private duty nursing. A student wishing to become a registered nurse should discuss this with the counselor/advisor to address the additional courses required by the registered nursing program.

LVN 100	Foundations of Nursing	11
LVN 101	Principles and Practice of Nursing I	14
LVN 102	Principles and Practice of Nursing II	14
LVN 120	Nursing Guidance I	1
LVN 121	Nursing Guidance II	1
LVN 122	Nursing Guidance III	1
LVN 140	Pharmacology	3
	Total Units	45

Advisors: Day (Madera), Fernandez (Madera), Kato-Gee (Madera)

LICENSED VOCATIONAL NURSING (MAJOR #R.4530.CA)
CERTIFICATE OF ACHIEVEMENT

The vocational nursing program's purpose is to prepare vocational nurses to provide safe, ethical, responsible and competent nursing care. Safe, ethical nursing care includes but is not limited to knowledge of commonly used medications, using the nursing process to guide critical thinking, and understanding the role, responsibility and limitations (scope of practice) of the vocational nurse in California. Upon successful completion of the vocational nursing program and passing the licensure exam the vocational nurse is licensed to practice nursing as an LVN. Skills learned in the program allow the LVN to practice in numerous settings such as; hospitals, clinics, long term care facilities, rehabilitation facilities, physicians' offices, correction facilities, and private duty nursing. A student wishing to become a registered nurse should discuss this with the counselor/advisor to address the additional courses required by the registered nursing program.

LVN 100	Foundations of Nursing	11
LVN 101	Principles and Practice of Nursing I	14
LVN 102	Principles and Practice of Nursing II	14
LVN 120	Nursing Guidance I	1
LVN 121	Nursing Guidance II	1
LVN 122	Nursing Guidance III	1
LVN 140	Pharmacology	3
	Total Units	45

Advisors: Day (Madera), Fernandez (Madera), Kato -Gee(Madera)

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: English 252, Office Technology 10, high school biology or any college level biology course, basic mathematics course.

Advisor(s): Adams (Madera), Day (Madera), Dhillon, Fernandez (Madera), Kato-Gee (Madera)

LVN-RN (MAJOR #R.4520.AS)

ASSOCIATE IN SCIENCE DEGREE

The nursing profession is concerned with the total health care of the individual and the family. It is a profession that believes in the prevention of illness, caring for those who are acutely ill, and helping people with long-term rehabilitative problems to live in the healthiest way possible. Nursing is both a science and an art.

The LVN to RN nursing program consists of integrated lectures, labs, and clinicals conducted in selected local hospitals and health agencies. Upon successful completion of the program students are eligible to take the National Council Licensure Examination for Registered Nursing (NCLEX-RN). Upon satisfactory completion of the degree requirements of the college, the AS degree in Nursing will be awarded.

The Associate Degree Nurse is prepared to coordinate, plan and provide nursing care in hospitals and community settings. The Registered Nurse assists clients with personal care, provides teaching and counseling to prevent illness and promote health, and performs specialized treatments and procedures. Registered Nurses function as team leaders and direct the care provided by Licensed Vocational Nurses (LVNs), nursing assistants (CNAs), as well as unlicensed health-care workers.

RN 74	Geriatric Nursing Theory	1.5
RN 75	Intermediate Medical-Surgical Nursing	5
RN 77	Psychiatric/Mental Health Nursing	3.5
RN 78	Foundations of Multicultural Nursing Care	1
RN 79	Nursing Skills Lab I	.5
RN 85	Advanced Medical-Surgical Nursing	6
RN 87	Pediatric and Maternal-Child Nursing	4
RN 88	Nursing Leadership and Management	1
RN 89	Nursing Skills Lab II	.5
RN 160	LVN to RN Role Transition	2
PSY 2	General Psychology	3

One of the following Courses		3
PHIL 1C	Ethics	3
PHIL 1CH	Honors Ethics	3
Select one Nutrition course		3
FN 35	Nutrition and Health	3
FN 40	Nutrition	3
Select one Communication course		3
COMM 1	Public Speaking	3
COMM 2	Interpersonal Communication	3
Select one course		3
ANTHRO 2	Cultural Anthropology	3
SOC 1A	Introduction to Sociology	3
	Total Units	43

Additional Information

Students applying for admission must be graduates of a State Accredited LVN program, hold current LVN license, and have attained a cumulative grade point average (GPA) of "C+" (2.5) or better in completed college work. All prerequisites must be completed with a grade of "C" or better. All coursework in Anatomy, Physiology, Microbiology, and Chemistry must have been completed within the last five years. Prospective applicants must also take the Test of Essential Academic skills (T.E.A.S.) with a minimum score of 62%.

Advisors: Day (Madera), Kato-Gee (Madera)

LVN-RN (MAJOR #R.4520.CA)
CERTIFICATE OF ACHIEVEMENT

The nursing profession is concerned with the total health care of the individual and the family. It is a profession that believes in the prevention of illness, caring for those who are acutely ill, and helping people with long-term rehabilitative problems to live in the healthiest way possible. Nursing is both a science and an art.

The LVN to RN nursing program consists of integrated lectures, labs, and clinicals conducted in selected local hospitals and health agencies. Upon successful completion of the program students are eligible to take the National Council Licensure Examination for Registered Nursing (NCLEX-RN). Upon satisfactory completion of the degree requirements of the college, the AS degree in Nursing will be awarded.

The Associate Degree Nurse is prepared to coordinate, plan and provide nursing care in hospitals and community settings. The Registered Nurse assists clients with personal care, provides teaching and counseling to prevent illness and promote health, and performs specialized treatments and procedures. Registered Nurses function as team leaders and direct the care provided by Licensed Vocational Nurses (LVNs), nursing assistants (CNAs), as well as unlicensed health-care workers.

RN 74	Geriatric Nursing Theory	1.5
RN 75	Intermediate Medical-Surgical Nursing	5
RN 77	Psychiatric/Mental Health Nursing	3.5
RN 78	Foundations of Multicultural Nursing Care	1
RN 79	Nursing Skills Lab I	.5
RN 85	Advanced Medical-Surgical Nursing	6
RN 87	Pediatric and Maternal-Child Nursing	4
RN 88	Nursing Leadership and Management	1
RN 89	Nursing Skills Lab II	.5
	Total Units	23

Advisors: Day (Madera), Kato-Gee (Madera)

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, P. Gilmore

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

Advisors: Ensz, P. Gilmore

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, P. Gilmore

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, P. Gilmore

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, P. Gilmore

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, P. Gilmore

PHYSICAL EDUCATION

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 Physical Education	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, Mattox (Madera), 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	Math Analysis I	5
MATH 5B	Math Analysis 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, Novatne

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)

AG 4	Farm Management	3
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
PLS 16	Wine Sensory Analysis and Evaluation	3
PLS 17	Winery Laboratory Techniques and Equipment Operation	3
PLS 18	Introduction to Enology	3
PLS 31	Prerequisite Programs for Food Safety	1
PLS 32	Introduction to Hazard Analysis and Critical Control Points	1
PLS 33	Verification and Validation of HACCP Systems	1
PLS 34	Internal Auditing of Food Safety Management	3
AS 31	Prerequisite Programs for Food Safety	1
AS 32	Introduction to Hazard Analysis and Critical Control Points	1
AS 33	Verification and Validation of HACCP Systems	1
AS 34	Internal Auditing of Food Safety Management	3
AS 25	Basic Equine Handling	1
AS 26	Western Riding & Horsemanship	2
	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	Elementary 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
PLS1 4	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	Elementary Statistics	
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
PLS1 4	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.1074.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 1	Principles of Biology	4
BIOL 2	Environmental Science	4
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
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 3	General Viticulture	3
PLS 4A	Tree and Vine Management	3
PLS 8	Vegetable Production	3
PLS 1	Introduction to Plant Science	3
PLS 1L	Introduction to Plant Science Laboratory	1
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	Elementary 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 1	Principles of Biology	4
BIOL 2	Environmental Science	4

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

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
CHDEV 38	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	
CHDEV 38	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): Aizon-Hubbel (Madera), Barnes, Genera, Heyne (Madera), Kastanes (Madera), Richardson (Madera), F. Rodriguez, Spittle, Tellalian, Terrell, Turini (Madera)

SPEECH-LANGUAGE PATHOLOGY

SPEECH AIDE (MAJOR #R.1220.CA)
CERTIFICATE OF ACHIEVEMENT

Upon successful completion of the Speech Aide Certificate of Achievement, the student will have the educational foundation to serve as an aide to a speech-language pathologist or special educator in various job settings.

SLPA 1	Introduction to Communication Disorders	3
SLPA 2	Speech, Language and Hearing Development	3
SLPA 3	Therapy Analysis and Field Observation	3
SLPA 4	Service Delivery	3
SLPA 5	Therapy Materials and Procedures	3
SLPA 6	Assessment and Remediation	3
	Total Units	18

Advisor(s): Reither

SPEECH-LANGUAGE PATHOLOGY ASSISTANT
(MAJOR #R.1220.AS)
ASSOCIATE IN SCIENCE DEGREE

Upon successful completion of the Associate Degree in the Speech-Language Pathology Assistant Program, the graduate is able to apply for licensure with the State of California. A licensed Speech-Language Pathology Assistant (SLPA) works under the direction of a supervising Speech-Language Pathologist (SLP) and demonstrates skills, knowledge and training to practice in a variety of settings within the parameters of the SLPA scope of practice. A licensed SLPA may work with infants, children, adults and seniors in educational, clinical and medical settings. Limitations on reimbursement for services provide by SLPAs from potential third-party insurers, may affect employment opportunities in certain settings. The graduate will be able to conduct screenings for speech, language and hearing disorders without interpretation, administer treatment as prescribed by the supervising Speech-Language Pathologist and assist with clinical documentation.

Program Learning Outcomes:
Upon successful completion of the SLPA associate degree, students will have completed the requirements to apply to work as a licensed SLPA in the state of California, will be able to meet the job requirements and standards as outlined by the California State Board of Speech-Language Pathology & Audiology & Hearing Aid Dispensers, and uphold the standards for professional conduct specified by the American Speech-Language- Hearing Association.

Required courses

SLPA 1	Introduction to Communication Disorders	3
SLPA 2	Speech, Language and Hearing Development	3
SLPA 3	Therapy Analysis and Field Observation	3
SLPA 4	Service Delivery	3
SLPA 5	Therapy Materials and Procedures	3
SLPA 6	Assessment and Remediation	3
SLPA 7	Fieldwork	3
CHDEV 11	The Young Child with Special Needs	3
CHDEV 15	Diversity and ..... Culture in Early Care and Education Programs	3
CHDEV 38 PSY 38	Lifespan Development or Lifespan Development	3
COMM 10	Intercultural Communication	3
LING 10	Introduction to Language	3
ASL 1	Beginning American Sign Language	4
Total Units		
	Total Units	40

Advisor(s): Reither

WINE PRODUCTION - SEE ENOLOGY, PLANT SCIENCE

WORLD LANGUAGES

WORLD LANGUAGES (MAJOR #R.5501.AA)
ASSOCIATE IN ARTS DEGREE

Students 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. Students 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
CHIN 1	Beginning Chinese	4
CHIN 2	High-Beginning Chinese	4
FRENCH 1	Beginning French	4
FRENCH 2	High-Beginning French	4
FRENCH 3	Intermediate French	4
GERMAN 1	Beginning German	4
GERMAN 2	High-Beginning German	4
GERMAN 3	Intermediate German	4
SPAN 1	Beginning Spanish	4
SPAN 2	High-Beginning Spanish	4
SPAN 3	Intermediate Spanish	4
	or	
SPAN 3NS	Spanish for Spanish Speakers	4
SPAN 15	Practical Spanish Conversation, Low-Intermediate Level	3
SPAN 16	Practical Spanish Conversation, High-Intermediate Level	3
Select at least one course		4
FRENCH 4	High-Intermediate French	4
GERMAN 4	High-Intermediate German	4
SPAN 4	High-Intermediate Spanish	
	or	
SPAN 4NS	Spanish for Spanish Speakers	4
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	22

Advisors: Aguirre, Amezola, Vega (Madera)

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.

1. Basic Skills Advisories. These are skill levels in reading, English and mathematics deemed necessary to be successful in the course. The levels are: reading (ENGL 126), English (ENGL 125), mathematics (MATH 201).
2. 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 credit courses. Non-degree applicable credit courses are subject to a 30 unit maximum for financial aid purposes.

Courses numbered 300-399: Non-credit 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 he/she has 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 form 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
AG	Agriculture
AGBS	Agriculture Business
AGED	Agriculture Education
AGNR	Agriculture and Natural Resources
AMT	Aviation Maintenance Technology
ANTHRO	Anthropology
ART	Art
AS	Animal Science
ASL	American Sign Language
ASTRO	Astronomy
AUTOT	Automotive Technology
BA	Business Administration
BIOL	Biology
CHDEV	Child Development
CHEM	Chemistry
CHIN	Chinese
COMM	Communication
COTR	Cooperative Work Experience Education
COUN	Counseling
CRIM	Criminology
CSCI	Computer Science
DA	Dental Assisting
DANCE	Dance
DEVSER	Developmental Services
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
GERMAN	German
HONORS	Honors
HIST	History
HLTH	Health Science
INDST	Individual Study
INTDS	Interdisciplinary Studies
IS	Information Systems
IT	Industrial Technology
JOURN	Journalism
LIBSKL	Library Skills
LING	Linguistics
LITEC	Library Technology
MAG	Mechanized Agriculture
MATH	Mathematics
MFGT	Manufacturing Technology
MKTG	Marketing
MM	Maintenance Mechanic
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
SLPA	Speech Language Pathology Assistant
SOC	Sociology
SPAN	Spanish
SPST	Special Studies
ST	Supervised Tutoring
STAT	Statistics
VESL	Vocational English as a Second Language

Course Number Extensions

H	Honors
I	Intensive
L	Lab
LS	Language Skills
NS	Native Speakers
R	Reading
S	Support
W	Writing

Course Number Change(s)

INTDS 300 ST 300

Deleted Courses (from 2018-2019 Catalog)

Effective summer 2019
Art 41
Art 42
Art 44
Developmental Services 241
Developmental Services 242
Effective fall 2019
English 125
English 126
English 128
English 130
English 250
English 252
English 260
English 260A
English 260B
English 262
English 262B

SCCCD Intra-District Articulated Courses

The list of "in-lieu" courses that Clovis Community College, Fresno City College and Reedley College (which includes the Madera Community College Center and Oakhurst Community College Center) have agreed to articulate with one another to meet major requirements for an Associate in Arts degree, an Associate in Science degree, or a Certificate of Achievement is available at: http://www.reedleycollege.edu/faculty-and-staff/Curriculum.html

Note: It is the student's responsibility to verify with an academic counselor that the "in-lieu" course(s) successfully completed can meet the respective college's: (a) local general education; (b) CSU GE pattern; (c) IGETC pattern; and/or (d) major requirements for the Associate Degree for Transfer (ADT). Do not ask a friend! Additional resources can be found in the respective college's catalog and 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

PREREQUISITES: Accounting 40 or 4A, 2 years high school accounting or equivalent. ADVISORIES: English 1A 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)

AGRICULTURE (AG)

4 FARM MANAGEMENT

3 units, 2 lecture hours, 3 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 103.

The organization and operation of farm and ranch businesses, identification of factors affecting profitability, evaluation of the business for increased efficiency and profit and the application of budgeting to the laboratory farm. (A, CSU)

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)

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.

AGRICULTURE BUSINESS (AGBS)

1 INTRODUCTION TO AGRICULTURE BUSINESS (FORMERLY AG 9)

3 units, 2 lecture hours, 3 lab hours

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) (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 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 third semester 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-semester 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.

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: Eligibility for English 132.

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)

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.

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.

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.

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)

ANIMAL SCIENCE (AS)

1 INTRODUCTION TO ANIMAL SCIENCE

3 units, 3 lecture hours

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

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

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

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)

5 ANIMAL NUTRITION

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 201.

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

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 201.

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)

21 EQUINE SCIENCE

3 units, 2 lecture hours, 3 lab hours

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)

22 EQUINE REPRODUCTION

3 units, 2 lecture hours, 3 lab hours

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)

23 INTRODUCTORY FARRIER SCIENCE

3 units, 2 lecture hours, 3 lab hours

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

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

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, 3 repeats

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

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)

31 PREREQUISITE PROGRAMS FOR FOOD SAFETY

1 unit, 1 lecture hour

COREQUISITES: Animal Science 32 and 33.

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. (A, CSU)

32 INTRODUCTION TO HAZARD ANALYSIS AND CRITICAL CONTROL POINTS

1 unit, 1 lecture hour

COREQUISITES: Animal Science 31 and 33.

This course is an introduction to Hazard Analysis and Critical Control Points as a systematic and scientifically based approach to food safety. The identification, monitoring and corrective control of critical hazards in food production facilities are analyzed. (A, CSU)

33 VERIFICATION AND VALIDATION OF HACCP SYSTEMS

1 unit, 1 lecture hour

COREQUISITES: Animal Science 31 and 32.

This course is an introduction to the verification and validation processes necessary to prove that a food safety management system is scientifically valid. Emphasis is placed on the gathering of evidence to assure that safe food products will be produced once the food safety management system is implemented. (A, CSU)

34 INTERNAL AUDITING OF FOOD SAFETY MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: English 1A or 1AH.

This course is an introduction to the knowledge and skills necessary to conduct an effective internal audit of food safety management systems. Methods for evaluating regulatory compliance, detecting deficiencies, and implementing corrective and preventative actions will be covered. (A, CSU)

40 LIVESTOCK EXHIBITION AND MARKETING

2 units, 1 lecture hour, 3 lab hours, 3 repeats

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)

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

This course will be a study of the formal elements and principles of the visual language in three-dimensional design. This will include the theory and the practice of these elements and principles as they apply to three-dimensional space and form. The projects in this class will incorporate a variety media including plaster, paper, wood, clay, metal, cement and the use of digital technology. (A, CSU, UC) (C-ID ARTS 101)

5 ART HISTORY 1

3 units, 3 lecture hours, pass/no pass

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: 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. (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.

Emphasis is on developing basic 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)

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)

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, 4 lab hours, pass/no pass

PREREQUISITES: Art 10. ADVISORIES: Eligibility for Mathematics 201.

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)

30A ILLUSTRATOR®: BEGINNING COMPUTER DRAWING AND DESIGN

3 units, 2 lecture hours, 4 lab hours, pass/ no pass

ADVISORIES: English 1A or 1AH.

Adobe Illustrator®, a vector graphics software editor, is studied in this beginning level computer drawing course. Students use the elements and principles of design to create logos, icons, drawings, typography, and illustrations for print, web, video, and mobile. (A, CSU, UC) (C-ID ARTS 250: ART 30A & ART 37A)

30B ILLUSTRATOR®: INTERMEDIATE COMPUTER DRAWING AND DESIGN

3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITES: Art 30A. ADVISORIES: English 1A or 1AH.

This course builds upon skills learned in Beginning Computer Drawing. Projects (created in Adobe Illustrator®) emphasize conceptual content and form in a digital drawing workflow. Students will be challenged to carry out design projects in fine art and commercial contexts, while addressing the elements and principles of design. (A, CSU, UC)

33 INTRODUCTION TO COMPUTER ART & DESIGN

3 units, 2 lecture hours, 4 lab hours

ADVISORIES: English 1A.

Students study the history of design from the 1960s to the present. Corel Painter® computer software is introduced with studio projects integrating historical design references and the elements and principles of design. (A, CSU, UC)

36A INTERMEDIATE WHEEL THROWING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITES: Art 10. ADVISORIES: Eligibility for Mathematics 201.

This course will focus on intermediate-level throwing on the potter's wheel. This course will explore use of the potter's wheel as a tool for self-expression and will include the study of clays, glaze formulation and history of the potter's wheel. (A, CSU, UC)

37A PHOTOSHOP®: BEGINNING DIGITAL VISUAL ART

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

The digital imaging software program, Adobe Photoshop®, is introduced. Instruction emphasizes photo restoration, image compositing, image manipulation, scanning, and printing. (A, CSU, UC) (CID ARTS 250: ART 30A & ART 37A)

37B PHOTOSHOP®: INTERMEDIATE DIGITAL VISUAL ART

3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITES: Art 37A. ADVISORIES: English 1A or 1AH.

Photoshop: Intermediate Digital Visual Art builds upon skills learned in Art 37A. Instruction and class art projects cover advanced masking techniques, layers and blend modes, clipping groups, custom gradients, pen tools, etc. Students work in various modalities from realism to abstraction. (A, CSU, UC)C)

38 COREL PAINTER®: BEGINNING COMPUTER ART

3 units, 2 lecture hours, 4 lab hours, pass/no pass

ADVISORIES: English 1A or 1AH.

The computer art software program, Corel Painter®, is introduced along with techniques necessary for image creation from scratch and with the integration of scans and photographs. Traditional media is simulated with digital versions of drawing, painting, and printmaking. Computer input is via a stylus and graphic tablet. Commercial and fine art references are studied. (A, CSU, UC)

38A INTERMEDIATE HAND-BUILDING

3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITES: Art 10. ADVISORIES: Eligibility for Mathematics 201.

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 and refined. The history of hand built ceramics from various cultures will be introduced as a path to self-expression in ceramics. (A, CSU, UC)

43 INDEPENDENT PROJECTS STUDIO

2-3 units: 2 units, 1 lecture hour, 3 lab hours; 3 units, 2 lecture hours, 4 lab hours, pass/no pass

PREREQUISITES: Art 7 or 9 or 10 or 13 or 30A or 37A or 38.

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)

ASTRONOMY (ASTRO)

10 INTRODUCTION TO ASTRONOMY (FORMERLY SCI 3)

4 units, 3 lecture hours, 2 lab hours

ADVISORIES: English 1A and Mathematics 103.

This course covers the topics of planets, solar system mechanics, stellar evolution and basic cosmology. (A, CSU-GE, UC, I)

20 INTRODUCTION TO COSMOLOGY

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Astronomy 10. ADVISORIES: Eligibility for English 1A and Mathematics 103.

This course focuses on a description of the universe, concentrating on celestial bodies and phenomena beyond the Solar System. Topics will include electromagnetic radiation, observed properties of stars, variable and binary stars, extra-solar planets, stellar evolution, black holes, relativity, the interstellar medium, star clusters, the Milky Way and other galaxies, cosmology, and the possibility of other life forms in the universe. (A, CSU-GE, UC, I)

AUTOMOTIVE TECHNOLOGY (AUTOT)

9 AUTOMOTIVE ESSENTIALS

3 units, 3 lecture hours

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

PREREQUISITES: Automotive Technology 9. ADVISORIES: Mathematics 201.

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 201.

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. ADVISORIES: English 125, 126, or 128 and 130, and Mathematics 201.

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. ADVISORIES: Mathematics 201.

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 201.

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 units, 2 lecture hours, 2 lab hours

PREREQUISITES: Automotive Technology 10, 11, and 114. ADVISORIES: English 1A and Mathematics 201.

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 201.

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)

AVIATION MAINTENANCE TECHNOLOGY (AMT)

11 BASIC ELECTRICITY, PROPELLERS, AND HUMAN FACTORS

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 11L, 12, 12L, 13, and 13L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Basic electrical theory and the relationship of voltage, current, and resistance in electrical circuits; the inspection, servicing, and repair of fixed-pitch, constant speed, and feathering type propellers; and the investigation of factors that affect human performance in aviation maintenance. (A, CSU)

11L BASIC ELECTRICITY AND PROPELLERS LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 11, 12, 12L, 13, and 13L. ADVISORIES: Eligibility for Mathematics 201.

This laboratory course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Basic electrical theory and the relationship of voltage, current, and resistance in electrical circuits; the inspection, servicing, and repair of fixed-pitch, constant speed, and feathering type propellers; and the investigation of factors that affect human performance in aviation maintenance. (A, CSU)

12 MATERIALS & PROCESSES, ELECTRICAL SYSTEMS, AND COMMUNICATION & NAVIGATION SYSTEMS

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 11, 11L, 12L, 13, and 13L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Identification and selection of aircraft hardware and materials, the application of appropriate nondestructive testing methods, performing precision measurements, maintenance of aircraft electrical systems and their components, controls, switches, indicators, and protective devices, the inspection and servicing of electronic communication and navigation systems, and troubleshooting and repairing autopilot and approach control systems. (A, CSU)

12L MATERIALS & PROCESSES, ELECTRICAL SYSTEMS, AND COMMUNICATION & NAVIGATION SYSTEMS LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 11, 11L, 12, 13, and 13L. ADVISORIES: Eligibility for Mathematics 201.

This lab course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Identification and selection of aircraft hardware and materials, the application of appropriate nondestructive testing methods, performing precision measurements, maintenance of aircraft electrical systems and their components, controls, switches, indicators, and protective devices, the inspection and servicing of electronic communication and navigation systems, and troubleshooting and repairing autopilot and approach control systems. (A, CSU)

13 MAINTENANCE PUBLICATIONS, MECHANIC PRIVILEGES AND LIMITATIONS, HYDRAULICS, LANDING GEAR, AND CABIN ATMOSPHERE CONTROL SYSTEMS

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 11, 11L, 12, 12L, and 13L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered include: Reading, comprehending, and applying information contained in aircraft maintenance manuals; complying with Federal Aviation Regulations, airworthiness directives, advisory materials, and exercising mechanic privileges; the inspection, troubleshooting, and repair of hydraulic or pneumatic systems, maintaining landing gear systems, brakes, wheels, tires, and steering systems; inspecting and servicing speed and take-off warning systems; and repairing heating, cooling, air-conditioning, pressurization, and oxygen systems. (A, CSU)

13L MAINTENANCE PUBLICATIONS, MECHANIC PRIVILEGES AND LIMITATIONS, HYDRAULICS, LANDING GEAR, AND CABIN ATMOSPHERE CONTROL SYSTEMS LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 11, 11L, 12, 12L, and 13. ADVISORIES: Eligibility for Mathematics 201.

This lab course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics covered include: Reading, comprehending, and applying information contained in aircraft maintenance manuals; complying with Federal Aviation Regulations, airworthiness directives, advisory materials, and exercising mechanic privileges; the inspection, troubleshooting, and repair of hydraulic or pneumatic systems, maintaining landing gear systems, brakes, wheels, tires, and steering systems; inspecting and servicing speed and take-off warning systems; and repairing heating, cooling, air-conditioning, pressurization, and oxygen systems. (A, CSU)

21 UNDUCTED FANS, AUXILIARY POWER UNITS, BASIC PHYSICS, ASSEMBLY & RIGGING, AND WEIGHT & BALANCE

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 21L, 22, 22L, 23 and 23L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Inspecting and troubleshooting unducted fan systems, and turbine-driven auxiliary power units; exploring the principles of simple machines, sound, fluid, and heat dynamics, basic aerodynamics, aircraft structures, and the theory of flight; assembly of aircraft components, including flight control surfaces, control surface balance, aircraft rigging, and inspection of flight control surfaces; and the weighing of aircraft in order to perform complete weight-and-balance checks. (A, CSU)

21L UNDUCTED FANS, AUXILIARY POWER UNITS, BASIC PHYSICS, ASSEMBLY & RIGGING, AND WEIGHT & BALANCE LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 21, 22, 22L, 23 and 23L. ADVISORIES: Eligibility for Mathematics 201.

This lab course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Inspecting and troubleshooting unducted fan systems, and turbine-driven auxiliary power units; exploring the principles of simple machines, sound, fluid, and heat dynamics, basic aerodynamics, aircraft structures, and the theory of flight; assembly of aircraft components, including flight control surfaces, control surface balance, aircraft rigging, and inspection of flight control surfaces; and the weighing of aircraft in order to perform complete weight-and-balance checks. (A, CSU)

22 AIRCRAFT COMPOSITE STRUCTURES, AIRCRAFT WOOD STRUCTURES, AND WELDING

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 21, 21L, 22L, 23 and 23L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Identification and selection of appropriate aircraft hardware, materials, and special fasteners for bonded and composite structures; the inspection, testing, and repair of fiberglass, plastics, honeycomb, composites, and laminated primary and secondary structures; welding techniques used on aircraft metallic structures; identification of wood aircraft defects, and the inspection, servicing, and repair of wooden aircraft structures. (A, CSU)

22L AIRCRAFT COMPOSITE STRUCTURES, AIRCRAFT WOOD STRUCTURES, AND WELDING LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 21, 21L, 22, 23 and 23L. ADVISORIES: Eligibility for Mathematics 201.

This lab course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Identification and selection of appropriate aircraft hardware, materials, and special fasteners for bonded and composite structures; the inspection, testing, and repair of fiberglass, plastics, honeycomb, composites, and laminated primary and secondary structures; welding techniques used on aircraft metallic structures; identification of wood aircraft defects, and the inspection, servicing, and repair of wooden aircraft structures. (A, CSU)

23 AIRCRAFT FINISHES, AIRCRAFT COVERING, LUBRICATION SYSTEMS, AND IGNITION & STARTING SYSTEMS

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 21, 21L, 22, 22L, and 23L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Reading, comprehending, and applying information contained in aircraft maintenance manuals and publications, complying with Federal Aviation Regulations, airworthiness directives, and advisory materials, and writing descriptions of aircraft condition and work performed using typical aircraft maintenance records; identifying and selecting aircraft finishing materials, applying aircraft paints, and selecting and applying fabric and fiberglass covering materials; inspecting, servicing, troubleshooting and repairing engine lubrication systems; and servicing reciprocating and turbine engine ignition systems. (A, CSU)

23L AIRCRAFT FINISHES, AIRCRAFT COVERING, LUBRICATION SYSTEMS, AND IGNITION & STARTING SYSTEMS LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 21, 21L, 22, 22L, and 23. ADVISORIES: Eligibility for Mathematics 201.

This lab course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Reading, comprehending, and applying information contained in aircraft maintenance manuals and publications, complying with Federal Aviation Regulations, airworthiness directives, and advisory materials, and writing descriptions of aircraft condition and work performed using typical aircraft maintenance records; identifying and selecting aircraft finishing materials, applying aircraft paints, and selecting and applying fabric and fiberglass covering materials; inspecting, servicing, troubleshooting and repairing engine lubrication systems; and servicing reciprocating and turbine engine ignition systems. (A, CSU)

31 TURBINE ENGINES

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 31L, 32, 32L, 33, and 33L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Inspection, service, installation, and overhaul of turbine engines. Electrical theory and the relationship of voltage, current, and resistance related to turbine engines will also be covered. (A, CSU)

31L TURBINE ENGINES LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 31, 32, 32L, 33, and 33L. ADVISORIES: Eligibility for Mathematics 201.

This laboratory course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Inspection, service, installation, and overhaul of turbine engines. Electrical theory and the relationship of voltage, current, and resistance related to turbine engines will also be covered. (A, CSU)

32 AIRCRAFT SHEETMETAL STRUCTURES, AIRCRAFT & ENGINE INSTRUMENTS, AND ICE & RAIN PROTECTION

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 31, 31L, 32L, 33, and 33L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Identification and selection of appropriate aircraft hardware and materials; inspection and repair of sheet-metal structures, installing conventional rivets, forming, lay out, and bending of sheet metal; inspection, servicing, and repair of electronic flight instrument systems and heading, speed, altitude, temperature, pressure, and position indicating systems; and the inspection, servicing, and repair of airframe ice and rain control systems. (A, CSU)

32L AIRCRAFT SHEETMETAL STRUCTURES, AIRCRAFT & ENGINE INSTRUMENTS, AND ICE & RAIN PROTECTION LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 31, 31L, 32, 33, and 33L. ADVISORIES: Eligibility for Mathematics 201.

This lab course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Identification and selection of appropriate aircraft hardware and materials; inspection and repair of sheet-metal structures, installing conventional rivets, forming, lay out, and bending of sheet metal; inspection, servicing, and repair of electronic flight instrument systems and heading, speed, altitude, temperature, pressure, and position indicating systems; and the inspection, servicing, and repair of airframe ice and rain control systems. (A, CSU)

33 AIRCRAFT RECIPROCATING ENGINES

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 31, 31L, 32, 32L, and 33L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Reading, comprehending, and applying information contained in aircraft maintenance manuals; writing descriptions of aircraft condition and work performed using maintenance records practices; and the removal, inspection, repair, and installation of reciprocating engines. (A, CSU)

33L AIRCRAFT RECIPROCATING ENGINES LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 31, 31L, 32, 32L, and 33. ADVISORIES: Eligibility for Mathematics 201.

This laboratory course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Reading, comprehending, and applying information contained in aircraft maintenance manuals; writing descriptions of aircraft condition and work performed using maintenance records practices; and the removal, inspection, repair, and installation of reciprocating engines. (A, CSU)

41 AIRCRAFT & ENGINE FUEL SYSTEMS, FUEL METERING SYSTEMS, AND AIRCRAFT & ENGINE FIRE PROTECTION SYSTEMS

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 41L, 42, 42L, 43, and 43L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: turbine engine fuel metering systems, electronic engine fuel controls, reciprocating and turbine fuel metering system components, and performing fuel management transfers and defueling procedures. Also covered will be fluid quantity indicating systems, fluid pressure and temperature warning systems, engine fire, smoke, carbon dioxide detection systems and fire extinguishing systems. (A, CSU)

41L AIRCRAFT & ENGINE FUEL SYSTEMS, FUEL METERING SYSTEMS, AND AIRCRAFT & ENGINE FIRE PROTECTION SYSTEMS LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 41, 42, 42L, 43, and 43L. ADVISORIES: Eligibility for Mathematics 201.

Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: turbine engine fuel metering systems and electronic engine fuel controls, reciprocating and turbine fuel metering system components, performing fuel management transfers and defueling procedures. Also covered will be fluid quantity indicating systems, fluid pressure and temperature warning systems, engine fire, smoke, carbon dioxide detection systems and fire extinguishing systems. (A, CSU)

42 AIRCRAFT DRAWINGS, MATHEMATICS, FLUID LINES & FITTINGS, AIRFRAME INSPECTION, AND CLEANING & CORROSION CONTROL

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 41, 41L, 42L, 43, and 43L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: interpreting aircraft drawings and schematics, determining area and volume of geometrical shapes, solving ratio, proportion, algebraic, and percentage math problems. Also covered will be fabricating and installing rigid and flexible fluid lines, performing airframe conformity and airworthiness inspections, identifying and selecting proper cleaning materials, inspecting, identifying, removing, and treating aircraft corrosion, and reading and writing descriptions of work performed. (A, CSU)

42L AIRCRAFT DRAWINGS, MATHEMATICS, FLUID LINES & FITTINGS, AIRFRAME INSPECTION, AND CLEANING & CORROSION CONTROL LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 41, 41L, 42, 43, and 43L. ADVISORIES: Eligibility for Mathematics 201.

This laboratory course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: interpreting aircraft drawings and schematics, determining area and volume of geometrical shapes, solving ratio, proportion, algebraic, and percentage math problems. Also covered will be fabricating and installing rigid and flexible fluid lines, performing airframe conformity and airworthiness inspections, identifying and selecting proper cleaning materials, inspecting, identifying, removing, and treating aircraft corrosion, and reading and writing descriptions of work performed. (A, CSU)

43 ENGINE EXHAUST, INDUCTION, AND COOLING SYSTEMS, ENGINE ELECTRICAL,ENGINE INSPECTION, AND GROUND OPERATIONS & SERVICING

3.5 units, 5.83 lecture hours

COREQUISITES: Aviation Maintenance Technology 41, 41L, 42, 42L, and 43L. ADVISORIES: Eligibility for Mathematics 201.

This lecture course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Inspection, service, and repair of engine exhaust systems, thrust reverser systems, engine ice and rain control systems, heat exchangers, superchargers, and turbine engine airflow and temperature control systems, cooling systems and electrical system components, wiring, controls, switches, indicators, and protective devices. Also covered will be performing powerplant air worthiness inspections, starting, ground operation, moving, servicing, and securing aircraft, and identifying and selecting fuels. (A, CSU)

43L ENGINE EXHAUST, INDUCTION, AND COOLING SYSTEMS, ENGINE ELECTRICAL, ENGINE INSPECTION, AND GROUND OPERATIONS & SERVICING LABORATORY

1.5 units, 5.83 lab hours

COREQUISITES: Aviation Maintenance Technology 41, 41L, 42, 42L, and 43. ADVISORIES: Eligibility for Mathematics 201.

This laboratory course will cover a variety of subject areas required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Topics include: Inspection, service, and repair of engine exhaust systems, thrust reverser systems, engine ice and rain control systems, heat exchangers, superchargers, and turbine engine airflow and temperature control systems, cooling systems and electrical system components, wiring, controls, switches, indicators, and protective devices. Also covered will be performing powerplant air worthiness inspections, starting, ground operation, moving, servicing, and securing aircraft, and identifying and selecting fuels. (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.

210 AVIATION MAINTENANCE TECHNOLOGY STANDARDS COMPLIANCE

.5-2 units, .25-1 lecture hour, .25-1 lab hour,pass/no pass only

PREREQUISITES: Aviation Maintenance Technology 11 and 11L or 12 and 12L or 13 and 13L or 21 and 21L or 22 and 22L or 23 and 23L or 31 and 31L or 32 and 32L or 33 and 33L or 41 and 41L or 42 and 42L or 43 and 43L.

This course provides additional instruction for the Aviation Maintenance Technology students who have successfully completed an AMT course, but have not met the minimum grade and time on task requirements of the Federal Aviation Administration. This course is divided into four modules which contain topics and lab projects coinciding with previously completed AMT program courses. Students and the instructor will meet by arrangement and instruction will be tailored to the specific needs of each student.

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)

BIOLOGY (BIOL)

1 PRINCIPLES OF BIOLOGY

4 units, 3 lecture hours, 3 lab hours

PREREQUISITES: Mathematics 103. ADVISORIES: English 1A.

Topics covered include the cellular and chemical basis of life, organ systems, genetics, evolution and the origin of life, ecology and environmental concerns. This course is recommended for the pre-professional and life science majors. (A, CSU-GE, UC, I)

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 and Mathematics 201.

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.

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)

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)

10L INTRODUCTION TO LIFE SCIENCE LAB

1 unit, 3 lab hours, pass/no pass

COREQUISITES: Biology 10. ADVISORIES: Eligibility for English 1A.

This lab 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 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, 3 lecture hours, 6 lab hours

PREREQUISITES: Chemistry 1A and Mathematics 103. ADVISORIES: Eligibility for English 1A, Biology 3 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. ADVISORIES: Eligibility for English 1A.

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 and eligibility for Mathematics 201.

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 3A or 1A. ADVISORIES: English 1A and Mathematics 201.

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)

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: English 1A and Mathematics 201.

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: English 1A.

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.

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)

61 FIELD STUDIES IN BUSINESS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A and two of the following: Economics 1A, 1B, Business Administration 18.

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.

CHEMISTRY (CHEM)

1A GENERAL CHEMISTRY

5 units, 3 lecture hours, 6 lab hours, pass/no pass

PREREQUISITES: High school chemistry with laboratory component or Chemistry 3A or 10 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. ADVISORIES: English 1A.

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.

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.

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: English 1A and Mathematics 103.

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.

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.

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.

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.

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)

CHILD DEVELOPMENT (CHDEV)

1 PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN

3 units, 3 lecture hours, pass/no pass

An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs and environments. These principles include emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. (A, CSU) (C-ID ECE 120)

2 INTRODUCTION TO EARLY CHILDHOOD EDUCATION

2 units, 2 lecture hours, pass/no pass

A survey of the nature and scope of the early childhood profession and options available for job opportunities working with young children. (A, CSU)

3 INTRODUCTION TO CURRICULUM

3 units, 3 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A.

This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments in early childhood education. Students will examine a teacher's role in supporting learning and development in young children with an emphasis on the essential role of play. Students will study an overview of content areas including but not limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, math and science. This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU) (C-ID ECE 130)

5 PARENT EDUCATION

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)

6 HEALTH, SAFETY AND NUTRITION IN EARLY CHILDHOOD EDUCATION

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)

8A INTRODUCTION TO SCHOOL-AGE CHILD CARE

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: 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. This course requires verification of measles vaccination, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU)

8B SCHOOL-AGE CHILD CARE

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)

11 THE YOUNG CHILD WITH SPECIAL NEEDS (FORMERLY CHDEV 35)

3 units, 3 lecture hours

PREREQUISITES: Child Development 39.

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)

12 CHILD ABUSE

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)

15 DIVERSITY AND CULTURE IN EARLY CARE AND EDUCATION PROGRAMS

3 units, 3 lecture hours, pass/no pass

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) (C-ID ECE 230)

16 EARLY INTERVENTION (FORMERLY CHDEV 32)

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Child Development 20 and verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A.

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. Explores strategies and interventions used in the field of Early Intervention. Current theories in Early Intervention, early relationships, family systems, grief processing and stress. The "To Be Arranged" hours may include observation of practitioners and participation in assessments and early intervention strategies. This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU)

17A INFANT AND TODDLER PRACTICUM (FORMERLY CHDEV 7)

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Child Development 1, 6, 39 and verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A.

This course introduces students to infant-toddler development. Applies current research to the care and education of infants and toddlers in group settings. Examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children 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. This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU)

17B ADVANCED INFANT AND TODDLER DEVELOPMENT (FORMERLY CHDEV 7B)

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Child Development 17A.

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)

19V COOPERATIVE WORK EXPERIENCE (OCCUPATIONAL), CHILD DEVELOPMENT

1-8 units, 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 OBSERVATION AND ASSESSMENT

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Child Development 1, 3, and 39. ADVISORIES: English 1A.

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)

30 CHILD, FAMILY, AND COMMUNITY

3 units, 3 lecture hours, pass/no pass

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)

37A EARLY CHILDHOOD PRACTICUM

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Child Development 1, 3, 20, 39 and verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A.

Under guided supervision, students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches and strategies, and techniques that promote development and learning. This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU) (C-ID ECE 210)

37B ADVANCED PRACTICUM IN EARLY CHILDHOOD EDUCATION

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITES: Child Development 37A and verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. ADVISORIES: English 1A.

Supervised experience as a teacher in an early childhood education program: developing environments for learning, child observation and assessment, documentation of children's work, behavior guidance, group management, collaborative teaching, building relationships with families, and effective preparation and implementation of curriculum using the project approach. This course requires verification of measles vaccination and pertussis, freedom of tuberculosis, and verification of flu vaccination within the past 12 months. (A, CSU)

38 LIFESPAN DEVELOPMENT (ALSO SEE PSYCHOLOGY 38)

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A

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)

39 CHILD GROWTH AND DEVELOPMENT

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A.

This course examines the major physical, cognitive, social and emotional developmental milestones for children from conception through adolescence. Emphasis will be placed on the interactions between maturational 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)

40A ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Child Development 30 and 17A or 37A. 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.

Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. (A, CSU)

40B ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Child Development 30 and 17A or 37A. ADVISORIES: English 1A.

Effective strategies for personnel management and leadership in early care and education settings. 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

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Child Development 37A or 17A plus current employment in a supervisory capacity in an early care and education setting. ADVISORIES: Eligibility for English 1A.

Methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders. (A, CSU)

47 EMERGENT LITERACY

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A.

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)

49 GUIDANCE FOR YOUNG CHILDREN

3 units, 3 lecture hours

ADVISORIES: English 1A.

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)

70 CA PRESCHOOL FOUNDATIONS & FRAMEWORKS: SOCIAL AND EMOTIONAL

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

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

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

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

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

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

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

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: Child Development 70, 71, 72, 73, 74, 75, 76, 77, and 78. COREQUISITE: Child Development 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: Child Development 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)

151 INTRODUCTION TO FAMILY CHILD CARE

1 unit, 1 lecture hour, pass/no pass

This is one of two courses designed to meet the training needs of family child care providers. This course will explore basic information on managing a family child care home; licensing requirements, developing policies for parents, record-keeping, recruiting children, and arranging the home for child care. (A)

152 QUALITY PROGRAMS IN FAMILY CHILD CARE

1 unit, 1 lecture hour, pass/no pass

This course will address the program planning needs for the family child care setting. This course will also explore the use of space for play and learning, appropriate curriculum, positive guidance techniques, provider-parent relationships and how to provide care for children of different ages. (A)

CHINESE (CHIN)

1 BEGINNING CHINESE

4 units, 4 lecture hours, 1 lab hour, pass/no pass

Beginning course in conversational and written Chinese for non-native speakers; intended for students without previous exposure to Chinese. Introduction to pronunciation, vocabulary, idioms, grammar, and exploration of Chinese culture and Chinese-American culture. (A, CSU-GE, UC, I)

2 HIGH-BEGINNING CHINESE

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Chinese 1.

Second-semester course in conversational and written Chinese for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of Chinese and Chinese-American cultures. (A, CSU-GE, UC, I)

COMMUNICATION (COMM)

1 PUBLIC SPEAKING

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

Fundamentals of public speaking utilizing theories and techniques of communication 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. LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

This course will cover fundamentals of public speaking utilize 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 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: Eligibility for English 1A or 1AH.

Interpersonal communication is designed to increase understanding and implementation of effective interpersonal communication behaviors and skills. This course will examine basic practical everyday communicative interaction; behavioral aspects of interpersonal communication, self-concept, perception, listening, non-verbal communication, conflict, language gender and cultural differences will be emphasized. Students will engage in both group communication and the development of oral presentations. (A, CSU-GE, UC) (C-ID COMM 130)

4 PERSUASION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

An introduction to the study and practice of persuasive discourse. This course was designed to examine historical and contemporary approaches to persuasive messages throughout time. The course will cover both theory and application of persuasive techniques in personal and professional communication. Opportunities are provided for students to present and analyze persuasive materials orally and in writing, as a way of developing communication and critical abilities. (A, CSU-GE, UC, I) (C-ID COMM 190)

8 GROUP COMMUNICATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for 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: Eligibility for English 1A or 1AH.

Intercultural Communication introduces students to the cultural variables and factors 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

ADVISORIES: Eligibility for English 1A.

The interpretation of literature through critical analysis and oral performance of selected works including but not limited to: poetry, fiction, essays, drama, and children's literature. This includes both individual and pair/group performances. (A, CSU-GE) (C-ID COMM 170)

15 COMPUTER-MEDIATED COMMUNICATION

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

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 online, online 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)

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 the methods of 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. (A, CSU-GE, UC, I) (C-ID COMM 120)

COMPUTER SCIENCE (CSCI)

1 INTRODUCTION TO COMPUTER SCIENCE

3 units, 2 lecture hours, 2 lab hours, pass/no pass

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 1A.

This course is an introduction to computer science with emphases on critical thinking skills and programming concepts. Topics included deductive reasoning, social and ethical implications, computer hardware and software, programming concepts and methodology. The course is designed to prepare students with little or no programming experience for Computer Science 40. (A, CSU, UC)

5 JAVA PROGRAMMING

3 units, 2 lecture hours, 3 lab hours, pass/no pass

PREREQUISITE: Mathematics 103. ADVISORIES: Eligibility for English 1A.

This course is an introduction to object-oriented program design and development using Java. The topics include data representation, control structures, class, objects, methods, arrays, graphical user interfaces, and applets for web browser. (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. ADVISORIES: Eligibility for English 1A.

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 4A. ADVISORIES: Eligibility for English 1A.

This course introduces problem solving, algorithm development, procedural and data abstraction using C++ language, program design, coding, debugging, 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. ADVISORIES: Eligibility for English 1A.

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, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITE: Computer Science 41. ADVISORIES: Eligibility for English 1A.

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)

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)

3A UNDERSTANDING TRANSFER: CALIFORNIA STATE UNIVERSITY

1 unit, 1 lecture hour, pass/no pass

ADVISORIES: Eligibility for English 1A and Mathematics 201.

This course provides an introduction to the process of transferring to the California State University. Topics will include transfer admission requirements, major and college selection, the application process, and support resources. (A, CSU)

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)

35 LAUNCHING YOUR CAREER (FORMERLY COUN 173)

1 unit, 1 lecture hour, pass/no pass

ADVISORIES: Eligibility for English 1A recommended.

This course is designed to assist students with developing the needed strategies and skills to effectively prepare for employability within the workforce. Particular emphasis will be placed on the development of a career portfolio, effective interview techniques and professionalism. (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)

263 LEADERSHIP DEVELOPMENT

1.5 units, 1 lecture hour, 1.5 lab hours, pass/ no pass

A course designed to introduce students to theory, principles, and techniques of leadership. Students will develop practical skills in parliamentary procedures, budgeting, and activity planning through active participation in Associated Student Government.

264 SUCCESSFUL TRANSITION TO COLLEGE

2 units, 2 lecture hours, pass/no pass

A course to assist new students in obtaining the knowledge and skills necessary to achieve their educational objectives. Strategies for effective college transition and basic survival skills will be explored. Topics will include: motivation and discipline, time management, interpersonal communication skills, learning resources, educational planning, and decision making. Note: Students who have completed Counseling 53 with a "C" or better are not eligible for this course.

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.

CRIMINOLOGY (CRIM)

1 INTRODUCTION TO CRIMINOLOGY

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A.

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

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

This course analyzes criminal law and its relationship to court proceedings in the United States. Additionally, 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

ADVISORIES: Eligibility for English 1A.

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the 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.

Criminal Law offers an analysis of the history and the philosophy of criminal liability in the United States, as well as an understanding of the classification of crimes against property and persons. This course discusses the most frequently used criminal statutes in the United States as well as those most used in the state of California. (A, CSU, UC) (C-ID AJ 120)

7 POLICE OPERATIONS AND PROCEDURES (FORMERLY CRIM 7A)

3 units, 3 lecture hours

This course explores the theories, philosophies, and concepts related to the line law enforcement officer. Additionally, the course places special emphasis on patrol, traffic, and public service responsibilities and their relationship to the criminal justice system. (A, CSU)

8 CRIMINAL INVESTIGATIONS

3 units, 3 lecture hours

This course examines the criminal investigation process. More specifically, the course addresses the techniques, procedures, and ethical issues involved in the investigation of crime. Additionally, the 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

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

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 132.

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 132.

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 132.

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 132.

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 132.

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 132.

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 132.

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

History of the dental profession including the educational requirements and the ethical and legal responsibilities of each member of the dental team. Patient management techniques including human relations. History and principles of radiology. Complete oral examination procedures. The written and pre-clinical experience required by the Board of Dental Examiners in partial fulfillment of the radiation safety licensing qualifications. Principles of chairside assisting. Instruction in operative dental procedures. Emphasis on preclinical application of intraoral procedures delegated in the California State Dental Practice Act. Head and neck anatomy.

Note : Radiology may not be taken during pregnancy. Student is required to purchase malpractice insurance and complete American Heart Association or Red Cross approved CPR course prior to participation in Dental Assisting 101. Students will be fingerprinted and a background check will be performed. (A)

102 DENTAL ASSISTING 2

13 units, 9.3 lecture hours, 10 lab hours

PREREQUISITES: Dental Assisting 101.

This course provides the student with theory and skills necessary to perform the intra oral procedures tested on the registered dental assistant practical and written examination as outlined in the California State Dental Practice Act; i.e., intra oral radiology, medical/dental emergencies, drugs used in dentistry, coronal polish, sealants. Note: Radiology may not be taken during pregnancy. (A)

103 DENTAL ASSISTING 3

3 units, .22 lecture hours, 9.44 lab hours

PREREQUISITES: Dental Assisting 101 and 102.

170 hours extramural clinical experience in a selected dental office/clinic with faculty supervision to develop student competencies in dental assisting procedures. The final day of training will consist of a 4 hour seminar held at the Reedley College campus. (A)

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

1-4 units, 3 lab hours, 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.

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 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.

270 MONEY SKILLS

2 units, 1 lecture hour, 4 lab hours, pass/no pass only

This course focuses on developing basic skills and terminology associated with using money. Topics covered include coin/currency identification, coin/currency value determination, counting coins/currency and choosing the appropriate coin(s)/currency to pay for a purchase. This course is designed for students with disabilities in preparation for DEVSER 272:Consumer Skills.

271 LIFE SKILLS

2 units, 1 lecture hour, 4 lab hours, pass/no pass only

This course focuses on developing basic life skills to complete daily necessary tasks to care for individual needs. It is designed for students with disabilities in preparation for DEVSER 273: Independent Living Skills.

272 CONSUMER SKILLS

2 units, 1 lecture hour, 4 lab hours, pass/no pass only

ADVISORIES: Developmental Services 270.

This course focuses on the development of basic personal money management skills. Students will integrate basic money skills into personal strategies for managing their own money. This course is designed for students with disabilities.

273 INDEPENDENT LIVING SKILLS

2 units, 1 lecture hour, 4 lab hours, pass/no pass only

ADVISORIES: Developmental Services 271.

This course focuses on the development skills necessary for life management in living as independently as possible. Students will develop strategies to manage their personal needs and schedule. This course follows Devser 271 in life skills development and is designed for the developmentally delayed learner.

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.

283 DEVELOPMENTAL SERVICES: COMPUTER APPLICATIONS OF SOFTWARE TO READING AND WRITING

2 units, 1 lecture hour, 3 lab hours, pass/no pass only

ADVISORIES: Developmental Services 277.

This course is designed for students who need training in use of computer technology to facilitate collegiate reading and writing. Programs to be covered include: Dragon Naturally Speaking, Kurzweil, Inspiration, Read Please, and the adaptive features of Windows. Students will be expected to complete reading and writing assignments using these programs. This course is designed for students with disabilities as well as students who want to improve their basic literacy skills using technology.

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.

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 and Mathematics 201.

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)

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, 2 lecture hours, 6 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)

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) (C-ID ENGR 140L)

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. (CSU, UC)

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, 2 lecture 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) (C-ID ENGR 110)

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.

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

PREREQUISITES: English 132 and acceptance into the Honors Program.

English 1AH focuses on reading, analyzing, and composing college-level prose, with emphasis on the expository: studying writing as a process; exploring different composing structures and strategies; editing and revising one's own writing; conducting research (gathering, organizing, evaluating, integrating, and documenting information), culminating in a term research paper using both traditional and original research. 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.

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; acceptance into the Honors Program.

This course uses literary works as content for reading 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.

A course designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH. The course 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.

A course designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH. The course 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)

3 CRITICAL READING AND WRITING

3 units, 3 lecture hours

PREREQUISITES: English 1A or 1AH.

A course designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH. The course 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.

A course designed to develop critical thinking, reading, and writing skills beyond the level achieved in English 1A/1AH. The course 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. 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. Its purpose is to prepare students for college courses which require them to 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, strategies, and/or skills. This is a variable-unit course, and students may take from 0.5 to 3 units. This course would be appropriate to 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, pass/no pass

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 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)

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)

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.

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.

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: Eligibility for English 1A.

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: Eligibility for English 1A.

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, pass/no pass

ADVISORIES: Eligibility for English 1A.

Short stories, poems, plays, novels of Latin American and Chicano writers are studied and analyzed for appreciation and understanding of the literature and culture. (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 reading theory, composition theory, collaboration learning, writing centers, and reading and writing across the curriculum. (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)

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 leaving English 252 who are still struggling with grammar and who are entering English 125. (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, and it should be taken in a student's first or second semester. This course is not intended for students who have taken English 252, English 262, English 125, or English 126. Note: only 4 units may be applied to the associate degree. (A)

205 STRATEGIC SKILLS FOR SUCCESS IN ENGLISH

2 units, 2 lecture hours, pass/no pass

COREQUISITE: English 1A.

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.

ENGLISH AS A SECOND LANGUAGE (ESL)

15 ADVANCED ACADEMIC READING AND WRITING

6 units, 6 lecture hours, pass/no pass

ADVISORIES: English as a Second Language 225W and 226R or English as a Second Language 325W and 326R, or 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. (A, CSU)

117G ADVANCED ACADEMIC GRAMMAR

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Successful completion of English as a Second Language 227G or 327G or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 117G is a grammar skills course designed for speakers of other languages who want to comprehend and use grammar structures in written and oral academic English. This advanced course may be taken concurrently with other ESL, English, or collegiate level courses. (A)

225W HIGH INTERMEDIATE ACADEMIC WRITING

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 266W or 366W or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 225W is an academic writing course designed for multilingual students to develop their writing skills at the high intermediate level. In this course, students will write essays (both in and out of class), focusing on organization, paragraph development, revision, and editing. This academic language course may be taken concurrently with ESL 220-level or 320-level courses. ESL 225W is two levels below English 1A.

226R HIGH INTERMEDIATE ACADEMIC READING

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 266R or 366R or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 226R is an academic reading and vocabulary course designed for multilingual students to develop their reading and vocabulary skills at the high-intermediate level. This course may be taken concurrently with ESL 220-level or 320-level courses. ESL 226R is two levels below English 1A.

227G HIGH-INTERMEDIATE ACADEMIC GRAMMAR

3 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 266G or 366G or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 227G is a grammar skills course designed for speakers of other languages who want to comprehend and use grammar structures in written and oral academic English. This high-intermediate course may be taken concurrently with other ESL or English courses. Students who successfully complete this course will be prepared for ESL 117G.

260 LOW-BEGINNING READING, WRITING AND GRAMMAR

6 units, 6 lecture hours, pass/no pass only

PREREQUISITES: Placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 260 is an integrated skills course designed for speakers of other languages who want to learn reading, writing, and grammar at the low-beginning level. This course may be taken concurrently with ESL 260 or 360 level courses. ESL 260 is an entry-level course in the ESL sequence. Students who successfully complete this course will be prepared for ESL 261 or 361 level courses.

260LS LOW-BEGINNING LISTENING AND SPEAKING

6 units, 6 lecture hours, pass/no pass only

ESL 260LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the low-beginning level. This course may be taken concurrently with ESL 260. ESL 260LS is an entry-level course in the ESL sequence. Students who successfully complete this course will be prepared for ESL 261LS.

261I BEGINNING READING, WRITING, AND GRAMMAR

6 units, 6 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 260 or 360 or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 261I is an integrated skills course designed for speakers of other languages who want to learn reading, writing, and grammar at the beginning level. This course may be taken concurrently with ESL 261 or 361 level courses. ESL 261I is six levels below English 1A. Students who successfully complete this course will be prepared for ESL 264 level classes.

261LS BEGINNING LISTENING AND SPEAKING

6 units, 6 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 260LS or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 261LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the beginning level. This course may be taken concurrently with ESL 261I. ESL 261LS is six levels below English 1A. Students who successfully complete this course will be prepared for ESL 264LS.

264 HIGH-BEGINNING READING, WRITING AND GRAMMAR

6 units, 6 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 261I or 361I or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 264 is an integrated skills course designed for speakers of other languages who want to learn reading, writing, and grammar at the high-beginning level. This course may be taken concurrently with ESL 264 or 364 level courses. ESL 264 is five levels below English 1A. Students who successfully complete this course will be prepared for ESL 265 or 365 level classes.

264LS HIGH-BEGINNING LISTENING AND SPEAKING

6 units, 6 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 261LS or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 264LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the high-beginning level. This course may be taken concurrently with ESL 264. ESL 264LS is five levels below English 1A. Students who successfully complete this course will be prepared for ESL 265LS.

265G LOW-INTERMEDIATE ACADEMIC GRAMMAR

3 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 264 or 364 or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 265G is a grammar skills course designed for speakers of other languages who want to comprehend and use grammar structures in written and oral academic English. This low-intermediate course may be taken concurrently with other ESL or English courses. Students who successfully complete this course will be prepared for ESL 266G.

265LS LOW-INTERMEDIATE LISTENING AND SPEAKING

3 units, 3 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 264LS or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 265LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the low-intermediate level. This course may be taken concurrently with ESL 265. ESL 265LS is four levels below English 1A. Students who successfully complete this course will be prepared for ESL 266LS.

265RE LOW-INTERMEDIATE ACADEMIC READING

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: ESL 264 or 364 or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 265RE is an academic reading and vocabulary course designed for speakers of other languages who want to develop their reading and vocabulary skills at the low-intermediate level. This course may be taken concurrently with other ESL 265 or 365 level courses. Students who successfully complete this course will be prepared for ESL 266R.

265WR LOW-INTERMEDIATE ACADEMIC WRITING

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: ESL 264 or 364 or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 265WR is an academic writing course designed for speakers of other languages who want to develop their writing skills at the low-intermediate level. This course may be taken concurrently with ESL 265 or 365 level courses. Students who successfully complete this course will be ready for ESL 266W or 366W.

266G INTERMEDIATE ACADEMIC GRAMMAR

3 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 265G or 365G or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 266G is a grammar skills course designed for speakers of other languages who want to comprehend and use grammar structures in written and oral academic English. This intermediate course may be taken concurrently with other ESL or English courses. Students who successfully complete this course will be prepared for ESL 227G.

266LS INTERMEDIATE LISTENING AND SPEAKING

3 units, 3 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 265LS or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 266LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the intermediate level. This course may be taken concurrently with other ESL 266 or 366 level courses. ESL 266LS is three levels below English 1A.

266R INTERMEDIATE ACADEMIC READING AND VOCABULARY

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 265RE or 365RE or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 266R is an academic reading and vocabulary course designed for speakers of other languages who want to develop their reading and vocabulary skills at the intermediate level. This course may be taken concurrently with other ESL 266 or 366 level courses. ESL 266R is three levels below English 1A. Students who successfully complete this course will be prepared for ESL 226R.

266W INTERMEDIATE ACADEMIC WRITING

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 265WR or 365WR or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 266W is an academic writing course designed for speakers of other languages who want to develop their writing skills at the intermediate level. This course may be taken concurrently with other ESL 266 or 366 level courses. ESL 266W is three levels below English 1A. Students who successfully complete this course will be prepared for ESL 225W or 325W.

315 ADVANCED ACADEMIC READING AND WRITING

0 units, 6 lecture hours, pass/no pass only

ADVISORIES: English as a Second Language 225W and 226R or English as a Second Language 325W and 326R or 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.

325W HIGH INTERMEDIATE ACADEMIC WRITING

0 units, 4 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of 266W or ESL 366W or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 325W is an academic writing course designed for multilingual students to develop their writing skills at the high intermediate level. In this course, students will write essays (both in and out of class), focusing on organization, paragraph development revision, and editing. The content of ESL 325W, a non-credit course, is identical to that of ESL 225W, a credit course. This academic language course may be taken concurrently with ESL 320-level or 220-level courses. ESL 325W is two levels below English 1A. ESL 325W shall be offered with ESL 225W as a dual-roster class.

326R HIGH INTERMEDIATE ACADEMIC READING

0 units, 4 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 366R or ESL 266R or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 326R is an academic reading and vocabulary course designed for multilingual students to develop their reading and vocabulary skills at the high-intermediate level. The content of ESL 326R, a non-credit course, is identical to that of ESL 226R, a credit course. This course may be taken concurrently with ESL 320-level or 220-level courses. ESL 326R is two levels below English 1A. ESL 326R shall be offered with ESL 226R as a dual-roster class.

327G HIGH-INTERMEDIATE ACADEMIC GRAMMAR

0 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 266G or 366G or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 327G is a grammar skills course designed for speakers of other languages who want to comprehend and use grammar structures in written and oral academic English. This high-intermediate course may be taken concurrently with other ESL or English courses. Students who successfully complete this course will be prepared for ESL 117G. The content of ESL 327G, a non-credit course, is identical to that of ESL 227G, a credit course. ESL 327G shall be offered with ESL 227G as a dual-roster class.

360 LOW-BEGINNING READING, WRITING AND GRAMMAR

0 units, 6 lecture hours, pass/no pass only

PREREQUISITES: Multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 360 is an integrated skills course designed for speakers of other languages who want to learn reading, writing, and grammar at the low-beginning level. This course may be taken concurrently with ESL 360 or ESL 260 level courses. ESL 360 is an entry-level course in the ESL sequence. Students who successfully complete this course will be prepared for ESL 361 or ESL 261 level courses. The content of ESL 360, a non-credit course, is identical to that of ESL 260, a credit course. ESL 360 shall be offered with ESL 260 as a dual-roster class.

360LS LOW-BEGINNING LISTENING AND SPEAKING

0 units, 6 lecture hours, pass/no pass only

PREREQUISITES: Multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 360LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the low-beginning level. This course may be taken concurrently with ESL 360 or ESL 260. ESL 360LS is an entry-level course in the ESL sequence. Students who successfully complete this course will be prepared for ESL 361LS or ESL 261LS. The content of ESL 360LS, a non-credit course, is identical to that of ESL 260LS, a credit course. ESL 360LS shall be offered with ESL 260LS as a dual-roster class.

361I BEGINNING READING, WRITING AND GRAMMAR

0 units, 6 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 360 or 260 or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 361I is an integrated skills course designed for speakers of other languages who want to learn reading, writing, and grammar at the beginning level. This course may be taken concurrently with ESL 361 or ESL 261 level courses. ESL 361I is six levels below English 1A. Students who successfully complete this course will be prepared for ESL 364 or ESL 264 level classes. The content of ESL 361I, a non-credit course, is identical to that of ESL 261I, a credit course. ESL 361I shall be offered with ESL 261I as a dual-roster class.

361LS BEGINNING LISTENING AND SPEAKING

0 units, 6 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 360LS or ESL 260LS or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 361LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the beginning level. This course may be taken concurrently with ESL 361I or ESL 261I. ESL 361LS is six levels below English 1A. Students who successfully complete this course will be prepared for ESL 364LS or ESL 264LS. The content of ESL 361LS, a non-credit course, is identical to that of ESL 261LS, a credit course. ESL 361LS shall be offered with ESL 261LS as a dual-roster class.

364 HIGH-BEGINNING READING, WRITING AND GRAMMAR

0 units, 6 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 361I or 261I or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 364 is an integrated skills course designed for speakers of other languages who want to learn reading, writing, and grammar at the high-beginning level. This course may be taken concurrently with ESL 364 or 264 level courses. ESL 364 is five levels below English 1A. Students who successfully complete this course will be prepared for ESL 365 or 265. The content of ESL 364, a non-credit course, is identical to that of ESL 264, a credit course. ESL 364 shall be offered with ESL 264 as a dual-roster class.

364LS HIGH-BEGINNING LISTENING AND SPEAKING

0 units, 6 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 361LS or ESL 261LS or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 364LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the high-beginning level. This course may be taken concurrently with ESL 364 or ESL 264. ESL 364LS is five levels below English 1A. Students who successfully complete this course will be prepared for ESL 365LS or ESL 265LS. The content of ESL 364LS, a non-credit course, is identical to that of ESL 264LS, a credit course. ESL 364LS shall be offered with ESL 264LS as a dual-roster class.

365G LOW-INTERMEDIATE ACADEMIC GRAMMAR

0 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 264 or 364 or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 365G is a grammar skills course designed for speakers of other languages who want to comprehend and use grammar structures in written and oral academic English. This low-intermediate course may be taken concurrently with other ESL or English courses. Students who successfully complete this course will be prepared for ESL 366G. The content of ESL 365G, a non-credit course, is identical to that of ESL 265G, a credit course. ESL 365G shall be offered with ESL 265G as a dual-roster class.

365LS LOW-INTERMEDIATE LISTENING AND SPEAKING

0 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 364LS or ESL 264LS or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 365LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the low-intermediate level. This course may be taken concurrently with ESL 365 or ESL 265. ESL 365LS is four levels below English 1A. Students who successfully complete this course will be prepared for ESL 366LS or ESL 266LS. The content of ESL 365LS, a non-credit course, is identical to that of ESL 265LS, a credit course. ESL 365LS shall be offered with ESL 265LS as a dual-roster class.

365RE LOW-INTERMEDIATE ACADEMIC READING

0 units, 4 lecture hours, pass/no pass only

PREREQUISITES: English as a Second Language 264 or 364 or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 365RE is an academic reading and vocabulary course designed for speakers of other languages who want to develop their reading and vocabulary skills at the low-intermediate level. This course may be taken concurrently with other ESL 265 or 365 level courses. Students who successfully complete this course will be prepared for ESL 266R or 366R. The content of ESL 365RE, a non-credit course, is identical to that of ESL 265RE, a credit course. ESL 365RE shall be offered with ESL 265RE as a dual-roster class.

365WR LOW-INTERMEDIATE ACADEMIC WRITING

0 units, 4 lecture hours, pass/no pass only

PREREQUISITES: ESL 264 or 364 or placement through a multiple-measure process, including an appropriate score on an approved ESL placement test.

ESL 365WR is an academic writing course designed for speakers of other languages who want to develop their writing skills at the low-intermediate level. This course may be taken concurrently with ESL 265 or 365 level courses. Students who successfully complete this course will be ready for ESL 266W or 366W. The content of ESL 365WR, a non-credit course, is identical to that of ESL 265WR, a credit course. ESL 365WR shall be offered with ESL 265WR as a dual-roster class.

366G INTERMEDIATE ACADEMIC GRAMMAR

0 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 265G or 365G or appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 366G is a grammar skills course designed for speakers of other languages who want to comprehend and use grammar structures in written and oral academic English. This intermediate course may be taken concurrently with other ESL or English courses. Students who successfully complete this course will be prepared for ESL 327G. The content of ESL 366G, a non-credit course, is identical to that of ESL 266G, a credit course. ESL 366G shall be offered with ESL 266G as a dual-roster class.

366LS INTERMEDIATE LISTENING AND SPEAKING

0 units, 3 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 365LS or ESL 265LS or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 366LS is a listening and speaking course designed for speakers of other languages who want to develop oral language skills at the intermediate level. The content of ESL 366LS, a non-credit course, is identical to that of ESL 266LS, a credit course. This course may be taken concurrently with other ESL 266 or 366 level courses. ESL 366LS is three levels below English 1A. ESL 366LS shall be offered with ESL 266LS as a dual-roster class.

366R INTERMEDIATE ACADEMIC READING AND VOCABULARY

0 units, 4 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 365RE or ESL 265RE or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 366R is an academic reading and vocabulary course designed for speakers of other languages who want to develop their reading and vocabulary skills at the intermediate level. This course may be taken concurrently with ESL 366W or ESL 266W, and with ESL 366LS or ESL 266LS. ESL 366R is three levels below English 1A. Students who successfully complete this course will be prepared for ESL 326R or ESL 226R. The content of ESL 366R, a non-credit course, is identical to that of ESL 266R, a credit course. ESL 366R shall be offered with ESL 266R as a dual-roster class.

366W INTERMEDIATE ACADEMIC WRITING

0 units, 4 lecture hours, pass/no pass only

PREREQUISITES: Successful completion of ESL 365WR or 265WR or multiple-measure placement by a counselor, which includes appropriate score on approved ESL placement test and/or counselor/instructor recommendation.

ESL 366W is an academic writing course designed for speakers of other languages who want to develop their writing skills at the intermediate level. The content of ESL 366W, a non-credit course, is identical to that of ESL 266W, a credit course. This course may be taken concurrently with other ESL 266 or 366 level courses. ESL 366W is three levels below English 1A. Students who successfully complete this course will be prepared for ESL 325W or ESL 225W. ESL 366W shall be offered with ESL 266W as a dual-roster class.

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)

383 HOME FOOD PRODUCTION

0 units, 3 lab hours

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

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)

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)

FILM (FILM)

1 INTRODUCTION TO FILM STUDIES

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A or 1AH.

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)

5 DIGITAL FILMMAKING

3 units, 3 lecture hours

ADVISORIES: Film 1.

Participation in this course serves as an introduction to digital filmmaking from both assigned topics and original scripts, including techniques for shooting, light set up, sound capture and dubbing and editing of short films. Emphasis is on the application of personal creative expression with guidance from a script of fictional work, and inspiration from professional and well-regarded examples. (A, CSU, UC)

FLIGHT SCIENCE (FLGHT)

101 PRIVATE PILOT 1 GROUND SCHOOL

3 units, 3 lecture hours

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This lecture 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

ADVISORIES: Eligibility for Mathematics 201.

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

ADVISORIES: Eligibility for Mathematics 201.

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

ADVISORIES: Mathematics 45 and English 1A or 1AH.

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 Science 101 and 107. ADVISORIES: English 132 and Mathematics 201.

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 current published costs in schedule of classes. (A)

106 PRIVATE PILOT 2 FLIGHT LAB

1.5 units, 4.5 lab hours, pass/no pass only

PREREQUISITES: 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 current published costs in the 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

3 units, 3 lecture hours

PREREQUISITES: Flight Science 101.

This 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, CSU)

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

4 units, 4 lecture hours

PREREQUISITES: Flight Science 108.

This 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

PREREQUISITES: Flight 101. ADVISORIES: Eligibility for Mathematics 201.

Advanced Meteorology 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 current published costs in the 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

4 units, 4 lecture hours

PREREQUISITES: Flight Science 111.

This 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 units, 6 lab hours, pass/no pass only

PREREQUISITES: 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 current published costs in the schedule of classes. (A)

126 COMMERCIAL PILOT 2 FLIGHT LAB

2.5 units, 6 lab hours, pass/no pass only

PREREQUISITES: Flight Science 125. COREQUISITES: 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 current published costs in the schedule of classes. (A)

131 FLIGHT INSTRUCTOR GROUND SCHOOL

4 units, 4 lecture hours

PREREQUISITES: Flight Science 121.

This 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 current published costs in the 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.

FRENCH (FRENCH)

1 BEGINNING FRENCH

4 units, 4 lecture hours, 1 lab hour, pass/no pass

Beginning course in conversational and written French for non-native speakers; intended for students without previous exposure to French. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of France and other Francophone countries and regions. (A, CSU-GE, UC, I)

2 HIGH-BEGINNING FRENCH

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: French 1, or 2 years of high school French or the equivalent.

Second-semester course in conversational and written French for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of France and other Francophone countries and regions. Introduction to the literary text. (A, CSU-GE, UC, I)

3 INTERMEDIATE FRENCH

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: French 2, or 3 years of high school French or equivalent.

Third-semester course in conversational and written French for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures, and continued expansion of vocabulary. Composition and discussion of short literary texts. Increasing 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

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: French 3 or equivalent.

Fourth-semester course in conversational and written French for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of 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: Eligibility for Mathematics 201.

Description and interpretation of the physical features of the earth. A systematic approach to the study of earth-sun relations, weather, climate, natural vegetation, and global warming. (A, CSU-GE, UC, I)

6 WORLD REGIONAL GEOGRAPHY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 1A.

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. 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: Eligibility for Mathematics 201.

Description and interpretation of the physical features of the earth. Emphasis on the study of map reading and land formation processes such as volcanoes, earthquakes, and glaciers. (A, CSU-GE, UC, I)

10 INTRODUCTION TO GIS

3 units, 2 lecture hours, 2 lab hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

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)

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)

GERMAN (GERMAN)

1 BEGINNING GERMAN

4 units, 4 lecture hours, 1 lab hour, pass/no pass

Beginning course in conversational and written German for non-native speakers, intended for students without previous exposure to German. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of the cultures of German-speaking countries and regions. (A, CSU-GE, UC, I)

2 HIGH-BEGINNING GERMAN

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: German 1, or 2 years of high school German or the equivalent.

Second-semester course in conversational and written German for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of German-speaking countries and regions. Introduction to the literary text. (A, CSU-GE, UC, I)

3 INTERMEDIATE GERMAN

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: German 2, or 3 years of high school German or the equivalent.

Third-semester course in conversational and written German for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increased emphasis on reading and writing as tools in exploring the cultures of German-speaking countries and regions. (A, CSU-GE, UC, I)

4 HIGH-INTERMEDIATE GERMAN

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: German 3, or 4 years of high school German or the equivalent.

Fourth-semester course in conversational and written German for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of current topics and cultures of German-speaking countries and regions as reflected in the language and literature. (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)

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)

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, pass/no pass only

An interdisciplinary discussion class designed to offer honors program students academic discussions related to other classes and current events. May include field trips and guest speakers. Limited to students admitted to the Honors Program. (A, CSU, UC*)

2 HONORS SEMINAR

1 unit, 1 lecture hour, pass/no pass only

PREREQUISITES: Acceptance into the Honors Program.
ADVISORIES: English 1A or 1AH.

This is an interdisciplinary seminar designed to offer honors program students and qualified general entry students an integrated academic atmosphere in the study of one topic or theme, in order to stimulate intellectual curiosity, discussion, and written analysis. The course may include field trips and guest speakers. Course content varies for every seminar and is taught by a wide array of discipline experts drawing from all departments at the college. (A, CSU, UC*)

3A HONORS FORUM-APPLIED SCIENCES

2 units, 2 lecture hours, pass/no pass

PREREQUISITES: Acceptance into the Honors Program.
ADVISORIES: Eligibility for English 1A or 1AH.

An interdisciplinary investigation of a contemporary issue through the perspective of a computational discipline (e.g., mathematics, statistics, accounting, etc.). Content will vary each semester as determined by student research interests. Enrolled students will be required to present their research to an Honors committee as the culminating portion of the course. (A, CSU, UC*)

3B HONORS FORUM-HUMANITIES

2 units, 2 lecture hours, pass/no pass

PREREQUISITES: Acceptance into the Honors Program.
ADVISORIES: Eligibility for English 1A or 1AH.

An interdisciplinary investigation of a contemporary issue through the perspective of those disciplines considered part of the Humanities. Content will vary each semester as determined by student research interests. Enrolled students will be required to present their research to an Honors committee 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

PREREQUISITES: Acceptance into the Honors Program.
ADVISORIES: Eligibility for English 1A or 1AH.

An interdisciplinary investigation of a contemporary issue through the perspective of those disciplines considered part of the natural and biological sciences. Content will vary each semester as determined by student research interests. Enrolled students will be required to present their research to an Honors committee as the culminating portion of the course. (A, CSU, UC*)

3D HONORS FORUM-SOCIAL SCIENCES

2 units, 2 lecture hours, pass/no pass

PREREQUISITES: Acceptance into the Honors Program.
ADVISORIES: Eligibility for English 1A or 1AH.

An interdisciplinary investigation of a contemporary issue through the perspective of those disciplines considered part of the Social Sciences. Content will vary each semester as determined by student research interests. Enrolled students will be required to present their research to an Honors committee 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)

HUMAN SERVICES (HS)

19V OCCUPATIONAL WORK EXPERIENCE, HUMAN SERVICES

1-8 units, Work Experience units awarded as follows: 75 hours/unit paid employment or 60 hours/unit volunteer employment

PREREQUISITES: Human Services 20.

Supervised employment directly related to the student's major and/or career goals in the field of Human Services. Success on the job, including interpersonal, problem solving, and communication skills; office dynamics and adapting to change. Group interaction. Collaborative learning activities specific to human services. Learning objectives established specific to human services. Finger printing may be required upon some field placements. 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 INTRODUCTION TO SOCIAL WELFARE

3 units, 3 lecture hours

ADVISORIES: English 1A.

This course is an introduction to the social, economic, political, historical and philosophical components of the development of social welfare and social work in Western society. A special emphasis is placed on concepts such as the history, knowledge base, value systems, and specific fields of social work practice. (A, CSU-GE, UC, I)

24 FUNDAMENTALS OF INTERVIEWING AND COUNSELING

3 units, 3 lecture hours

An introduction to principles and theories of interviewing and counseling for professionals going into the field of Counseling, Psychology and Social Work. This course focuses on specific micro and macro skills within a human service setting. Analysis of the dynamics between counselor and clients will be examined. The Code of Ethics and principle of the human service profession will be addressed. (A, CSU)

30 GROUP AND COMMUNITY SOCIAL SERVICES

3 units, 3 lecture hours

Methods of social work intervention with individual, group, and community; problem analysis and available services. (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)

10 MAINTENANCE OPERATIONS

3 units, 1.5 lecture hours, 5.5 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course covers interpreting machine operation and maintenance documentation; performing machine predictive preventative and maintenance procedures; reading and interpreting technical drawings; safely moving and storing materials and equipment; properly using hand tools for equipment maintenance and inspection; and practicing troubleshooting techniques. Upon successful completion, students will receive an OSHA 10-hour course completion card at the end of the training. (A, CSU)

11 BASIC MECHANICAL SYSTEMS

3 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course prepares students with the skills and knowledge to successfully adhere to mechanical power transmission safety rules, install, align, lubricate, and apply troubleshooting techniques to mechanical power transmission through chains, belts, bearings and gear trains. The use of dimensional measuring tools will be applied to real life applications. (A, CSU)

20 BASIC HYDRAULIC SYSTEMS

2 units, 1 lecture, 4 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course teaches principles of hydraulic systems including fluid power schematics, flow and pressure characteristics, filter and lubrication selection, hydraulic system components and troubleshooting. Adherence to fluid power safety regulations will be emphasized. (A, CSU)

21 BASIC PNEUMATIC SYSTEMS

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course covers how work, force, and energy are applied to principles of pneumatics, through the use of air compressors, air treatment, valves, logic devices, cylinders, and air motors. Adherence to fluid power safety regulations are emphasized. (A, CSU)

30 ELECTRICAL SYSTEMS

4 units, 2 lecture hours, 6.5 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course introduces the theory of electricity and the relationship of voltage, current, resistance, and power in electrical circuits; develops an understanding of AC and DC fundamentals; and applies formulas to analyze the operation of AC and DC circuits. This course also addresses the common symbols used in motor control circuits; the fundamentals of electrical schematics and wiring diagrams; the principles of relays, motor starters, switches, pilot devices, sensing devices, and indicator lights; and introduces the different types and operations of basic motor control circuits (unique) (voc)

31 ELECTRONIC CONTROL SYSTEMS

4 units, 1.5 lecture hours, 8 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course covers the design, analysis, operation, and troubleshooting of industrial electronic control systems, including programmable logic controllers and AC variable frequency drives. This includes connecting, testing and troubleshooting various electronic systems devices, such as solid-state relays, analog sensors, and DC power supplies. (A, CSU)

32 PROCESS CONTROL SYSTEMS

3 units, 1.5 lecture hours, 5.5 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course investigates the electronic techniques that are used for measurement and control in process control systems. Single-loop process control systems including transmitters, piping and instrumentation diagrams, signal conditioning, analog controllers, pneumatic proportional valves and I/P (current-to-pressure) transmitters will be considered. The overall objective is to prepare students to install, adjust and maintain electronic and related parts of industrial systems. (A, CSU)

61 MAINTENANCE PIPING

2 units, 1 lecture hour, 3 lab hours, pass/no pass

ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course prepares an individual with the skills and knowledge to successfully adhere to piping system safety rules; interpret basic piping schematics; identify and select proper materials for installation and replacement; prepare material for installation or repair of piping systems; and proper assembly and disassembly of piping systems. (A, CSU)

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 hours

ADVISORIES: English 132.

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. The student is expected to complete assignments in the computer laboratory outside of class. (A, CSU)

18 SPREADSHEET FUNDAMENTALS

1.5 units, 1.5 lecture hours, .5 lab hours

ADVISORIES: Mathematics 201.

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. The student is expected to complete assignments in the computer laboratory outside of class. (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; eligibility for English 1A and Mathematics 201.

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

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 201.

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)

33 BEGINNING JAVA PROGRAMMING

3 units, 3 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 201.

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

3 units, 3 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 201.

Introductory to Web Development course using web authoring software and HTML. 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 and CSS 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)

47 VISUAL BASIC

3 units, 3 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Information Systems 15. ADVISORIES: Mathematics 201.

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

PREREQUISITE: Information Systems 15. ADVISORIES: Eligibility for English 1A and Mathematics 201.

This course is designed to introduce students to basic game programming utilizing Adobe Flash application. 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: Eligibility for English 1A and Mathematics 201.

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)

60 OPERATING SYSTEMS

3 units, 3 lecture hours, 1 lab hour

ADVISORIES: English 132 and Mathematics 201.

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, 1 lecture hour, 1 lab hour

ADVISORIES: English 132 and Mathematics 201.

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 132 and Mathematics 201.

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 132 and Mathematics 201.

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 132 and Mathematics 201.

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)

70 INTRODUCTION TO CYBER SECURITY

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Information Systems 15. ADVISORIES: English 132, Information Systems 63, and Mathematics 201.

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 exams. (A, CSU)

71 CYBER SECURITY: ETHICAL HACKING

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Information Systems 15, 60, and 63. ADVISORIES: English 132 and Mathematics 201.

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. (A, CSU)

80 COMPUTER TECHNICIAN A+ TRAINING

12 units, 8 lecture hours, 8 lab hours

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. (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.

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)

301 BASIC SKILLS DEVELOPMENT

0 units, 3 lab hours

This is a learning assistance course in basic skills: reading, mathematics, writing and study skills as applied to a variety of disciplines. Instruction will occur individually or in small groups by the instructor or with student lab assistants. An individual learning plan must be approved which serves as the basis for assessment and counseling.

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: Eligibility for English 1A.

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, feature writing with an emphasis on writing against weekly deadlines. The course will address ethical, policy and legal questions confronting reporters and their 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: Eligibility for English 1A.

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

ADVISORIES: Eligibility for English 1A.

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

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 PHYSICAL EDUCATION

3 units, 3 lecture hours, pass/no pass

Students will be introduced to the historical background, philosophy, objectives, and content of the modern physical education and kinesiology programs in schools. Additionally, the scope and challenges of the profession of teaching physical education will be discussed. This course is required of all physical education majors. (A, CSU, UC)

LEARNING ASSISTANCE (LA)

1 TUTOR TRAINING (FORMERLY COUN 1)

1 unit, 1 lecture hour, pass/no pass

This training course is intended for students working as tutors and wishing to learn effective tutoring techniques and methods, communication skills, and college study skills. Instruction is also provided in student learning styles. The course includes supervised tutoring experience. (A, CSU)

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. Also addressed in the class are general computer/ technology concepts, email, and navigating the World Wide Web. (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.

LICENSED VOCATIONAL NURSING (LVN)

100 FOUNDATIONS OF NURSING

11 units, 5 lecture hours, 18 lab hours

PREREQUISITES: Biology 20 and 22, or equivalent; and Foods and Nutrition 35 or 40; and Office Technology 10. COREQUISITES: Licensed Vocational Nursing 140 and 120. ADVISORIES: English 1A.

This course covers the theory, principles and practice of fundamental nursing skills needed to care for adult patients. Health and its preservation are stressed. Interpersonal relationships, community resources, prevention and treatment of disease are studied. Clinical experience is integrated with classroom theory and is provided at affiliating hospitals under direct supervision of College Nurse instructors. This is the first semester of nursing theory and clinical of a three semester sequence. (A)

101 PRINCIPLES AND PRACTICE OF NURSING I

14 units, 8 lecture hours, 18 lab hours

PREREQUISITE: Licensed Vocational Nursing 100. COREQUISITES: Licensed Vocational Nursing 121.

This course emphasizes theoretical principles and clinical experience in meeting Maslow's basic human needs of nutrition, oxygenation, elimination and affiliation. Application of these basic principles and practices of medical-surgical nursing care in the maternity and pediatric settings. It also involves clinical experiences in meeting basic health needs of individuals of all ages with commonly occurring health problems. (A)

102 PRINCIPLES AND PRACTICE OF NURSING II

14 units, 8 lecture hours, 18 lab hours

PREREQUISITE: Licensed Vocational Nursing 101. COREQUISITES: Licensed Vocational Nursing 122.

This course emphasizes theoretical principles of Maslow's basic human needs of safety, hygiene, rest, activity, comfort and self-actualization as it relates to common and complex health problems occurring in individuals of all age groups. Pathophysiologic and psychosocial assessment and management of medical-surgical disorders are stressed. General pharmacological and nutritional considerations are included. Clinical experience is integrated. (A)

120 NURSING GUIDANCE I

1 unit, 1 lecture hour

COREQUISITE: Licensed Vocational Nursing 100 and 140.

This course examines socialization and interpersonal communications related to vocational nursing. Course topics include verbal and non-verbal communication, communication problems in the nurse-patient relationship, the hospital as a working and learning environment, self actualization relating to the elderly, and death and dying. (A)

121 NURSING GUIDANCE II

1 unit, 1 lecture hour

PREREQUISITE: Licensed Vocational Nursing 100 and 120. COREQUISITES: Licensed Vocational Nursing 101.

This course examines the nature of stress and its influence on coping and adapting. Related topics examined include crisis and crisis intervention, and psycho physiological and somatopsychic responses to stress and anxiety. (A)

122 NURSING GUIDANCE III

1 unit, 1 lecture hour

PREREQUISITE: Licensed Vocational Nursing 121. COREQUISITE: Licensed Vocational Nursing 102.

This course examines the current and evolving patterns of mental health care and the shifts from inpatient custodial care to community-based treatment for the mentally ill. This course also examines the health-illness continuum, psychopathology, neuroses and psychoses, clinical disorders and maladaptations of behavior, and psychopharmacological approaches to treatment. (A)

140 PHARMACOLOGY

3 units, 3 lecture hours

COREQUISITE: Licensed Vocational Nursing 100.

This is an introductory pharmacology course, which includes an introduction into the professional context of drug administration, study of metric, apothecary, and household systems of measurements. Nursing responsibility and patient safety is included. Completion of this course requires accurate interpretation of doctors' orders, reading medication bottles and calculation of drug dosages and the reason for their application. Common, local, and systemic drugs are studied. Uses, effects, and safe administration of medications are included. Nursing responsibility and client's safety are emphasized. (A)

200 MEDICATION CALCULATIONS

1 unit, 1 lecture hour

This course covers the theory, principles and practice of fundamental calculations of medication dosages, including review of mathematical concepts.

210 INTRAVENOUS THERAPY/BLOOD WITHDRAWAL

1.5 units, 1.5 lecture hours, .5 lab hours

LIMITATION ON ENROLLMENT: Licensed as a Vocational Nurse or Registered Nurse or Graduate of RN/LVN program.

This course is designed to prepare nurses to start and superimpose intravenous fluid and perform blood withdrawal as ordered by the physician. The course will cover psychological preparation of the patient, selection of equipment, aseptic technique, relevant anatomy and physiology, pharmacology of intravenous solutions, and administering blood components. Students will perform simulated and actual intravenous catheterizations and blood withdrawals.

LINGUISTICS (LING)

10 INTRODUCTION TO LANGUAGE

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Eligibility for 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. It is recommended for foreign language majors and students who are interested in how language works. (A, CSU-GE, UC, I)

11 INTRODUCTION TO LANGUAGE FOR TEACHERS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Eligibility for 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. It is recommended for foreign language majors, liberal studies majors, and students in the Multiple Subject Credential Blended Program. (A, CSU, UC)

MAINTENANCE MECHANIC (MM)

251 INTRODUCTION TO MANUFACTURING

.5 unit, .5 lecture hour, pass/no pass

This course provides an introduction to careers in manufacturing. Topics include local job market, pay scales, and an introduction to basic mechanical skills required throughout the industrial areas. Safety and safe working environment will be stressed.

252A TRADE CALCULATIONS

1 unit, 1 lecture hour, pass/no pass

Industrial technology and trade-related math. The use of metric system of weights and measures, arithmetic application of integers and fractions, along with ruler and caliper readings commonly used in manufacturing trades.

252B PROGRAMMABLE CONTROLS

.5 unit, .25 lecture hours, .72 lab hours, pass/ no pass

An introduction to the equipment and peripherals used to interface with industrial controlling devices.

252C JOB PREP

.5 unit, .25 lecture hours, .75 lab hours, pass/ no pass

Preparing résumés and improving specific employment-seeking skills along with creating a portfolio of work done to show potential employers in a manufacturing environment.

252D TECHNICAL REPORT WRITING

.5 unit, .25 lecture hour, .75 lab hour, pass/no pass

Identify and write various types of reports, analyze data and record information that are associated with production work.

253A FLUID POWER

.5 unit, .5 lecture hour, pass/no pass

This course is designed to provide the learner with knowledge and working skills needed in the areas of Fundamentals of Fluid Power, physics principles pertaining to Fluid Power, various differences in hydraulics and pneumatics, and characteristics of liquids and gases. This course will focus on how and why the fluid power industry was started.

253B PNEUMATIC FUNDAMENTALS

.5 unit, .25 lecture hour, .75 lab hour, pass/no pass

PREREQUISITES: Maintenance Mechanic 253A.

This course covers theory and application in the operation, service, and function of pneumatic systems. The design and application of systems in industrial environments will be covered.

253C HYDRAULIC FUNDAMENTALS

.5 unit, .25 lecture hour, .75 lab hour, pass/no pass

PREREQUISITES: Maintenance Mechanic 253B.

This course covers theory and application in the operation, service, and function of hydraulic systems. The design and application of systems in industrial environments will be covered.

254A POWER TRANSMISSION

.5 unit, .5 lecture hour, .5 lab hour, pass/no pass

PREREQUISITES: Maintenance Mechanic 252A; ADVISORIES: Maintenance Mechanic 253B, Mathematics 45, English 1A or 1AH.

This is a course in the study and application of power transmission through chains, belts, gear trains and augers.

254B WELDING FUNDAMENTALS

1 unit, .25 lecture hour, 2.25 lab hours, pass/ no pass

This course covers basic metallurgy and properties of metals, oxyacetylene welding and cutting processes, arc welding, and safety within the work environment.

254C ELECTRIC FUNDAMENTALS

1 unit, .25 lecture hour, 2.25 lab hours, pass/ no pass

PREREQUISITES: Maintenance Mechanic 254A. ADVISORIES: Mathematics 45 and English 1A or 1AH.

This course introduces the basics of electrical fundamentals, AC circuitry, as well as an introduction to motor control.

MANUFACTURING TECHNOLOGY (MFGT)

11 INTRODUCTION TO MANUFACTURING

12 units, 5 lecture hours, 21 lab hours, pass/no pass

ADVISORIES: English 132 and Mathematics 103.

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: English 132 and Mathematics 103.

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: English 132 and Mathematics 103.

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: English 132 and Mathematics 103.

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

ADVISORIES: English 132 and Mathematics 103.

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: English 132 and Mathematics 103.

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, 2.5 lecture hours, 4.5 lab hours, pass/no pass

PREREQUISITES: Manufacturing Technology 11 or 60 or equivalent course or verified work experience in the field. ADVISORIES: English 132 and Mathematics 103.

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: English 132 and Mathematics 103.

This course is a combination of basic gas welding and basic arc welding. Topics used for 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 and 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). (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: English 132 and Mathematics 103.

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 103.

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. A general overview of inspection, testing, and certification, and general fabrication concepts. (A, CSU)

63 WELDING CERTIFICATION PREPARATION

1 unit, 3 lab hours, pass/no pass

COREQUISITE: Manufacturing Technology 61. ADVISORIES: Mathematics 103.

Continued practice on out-of-position welding leading to AWS certification exam. (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 103.

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 103.

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

ADVISORIES: English 132 and Mathematics 103.

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

PREREQUISITES: Verified previous welding knowledge and experience or instructor permission. ADVISORIES: Manufacturing Technology 11 or 60 or Mechanized Agriculture 41 or equivalent.

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.

MARKETING (MKTG)

10 MARKETING

3 units, 3 lecture hours, pass/no pass

ADVISORIES: English 132 and Mathematics 201.

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: English 132 and Mathematics 201.

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 201.

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)

MATHEMATICS (MATH)

3A COLLEGE ALGEBRA

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 1A.

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; systems of equations; theory of polynomial equations; analytic geometry. (A, CSU-GE, UC, I) (C-ID MATH 151)

4A TRIGONOMETRY

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103 or equivalent. ADVISORIES: Eligibility for English 1A or English 1AH.

The study of trigonometric functions, their inverses and their graphs, 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 introduction to vectors. (A, CSU-GE) (C-ID MATH 851) (C-ID MATH 955: MATH 4A & MATH 4B)

4B PRECALCULUS

4 units, 4 lecture hours

PREREQUISITES: Mathematics 4A.

Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates. (A, CSU-GE, UC, I) (C-ID MATH 955: MATH 4A & MATH 4B)

5A MATH ANALYSIS I

5 units, 5 lecture hours

PREREQUISITES: Mathematics 3A or 4B and Mathematics 4A. ADVISORIES: Eligibility for English 1A.

Introduction to calculus, analytic geometry, differentiation and integration of polynomial, exponential, logarithmic and trigonometric functions; limits; curve sketching and applications. (A, CSU-GE, UC, I) (C-ID MATH 210) (C-ID MATH 900S: MATH 5A & MATH 5B)

5B MATH ANALYSIS II

4 units, 4 lecture hours

PREREQUISITES: Mathematics 5A. ADVISORIES: Eligibility for English 1A.

This class investigates the applications of integration, many techniques of integration, improper integrals, parametric equations, polar coordinates and functions. Further study involves conic sections, exponential growth/decay models, infinite series including Maclaurin and Taylor Series. (A, CSU-GE, UC, I) (C-ID MATH 220) (C-ID MATH 900S: MATH 5A & MATH 5B)

6 MATH ANALYSIS III

5 units, 5 lecture hours

PREREQUISITES: Mathematics 5B. ADVISORIES: Eligibility for English 1A.

This is the third of three courses in the basic calculus sequence. Topics include solid analytical geometry, three dimensional vectors, vector valued functions, partial differentiation, multiple integration, line integrals, divergence, Green's, and Stokes' theorems. (A, CSU-GE, UC, I) (C-ID MATH 230)

10A STRUCTURE AND CONCEPTS IN MATHEMATICS I

3 units, 3 lecture hours

PREREQUISITES: Mathematics 103.

This course is designed for prospective elementary school teachers. It will study problem solving strategies and skills, number sequences, set theory, ancient numeration systems, number theory, rational and irrational numbers, computation algorithms, and applications of mathematics. Emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning. (A, CSU-GE, UC) (C-ID MATH 120)

10B STRUCTURE AND CONCEPTS IN MATHEMATICS II

3 units, 3 lecture hours

PREREQUISITES: Mathematics 10A. ADVISORIES: Eligibility for English 1A or English 1AH.

This course is designed for prospective elementary school teachers. Topics covered will include counting methods, elementary probability and statistics. Additional topics in Geometry to include polygons, congruence and similarity, measurement, geometric transformations, coordinate geometry, and connections between numbers and geometry with selected applications. (A, CSU-GE, UC)

11 ELEMENTARY STATISTICS

4 units, 4 lecture hours

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 1A.

This course is an introduction to statistical methods and techniques with applications in the fields of business, behavioral and social science, as well as in science, technology, engineering, and mathematics. Topics include descriptive measures of central tendency and variability, probability, binomial and normal distributions, random variables, sampling, estimating, hypothesis testing (parametric and nonparametric), correlation and regression. (A, CSU-GE, UC, I) (C-ID MATH 110)

11C ELEMENTARY STATISTICS WITH SUPPORT

5 units, 5 lecture hours

PREREQUISITES: Mathematics 103.

This course is an introduction to statistical methods and techniques with applications in the fields of business, behavioral and social science, as well as in science, technology, engineering, and mathematics. Topics include descriptive measures of central tendency and variability, probability, binomial and normal distributions, random variables, sampling, estimating, hypothesis testing (parametric and nonparametric), correlation and regression, 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: Eligibility for English 1A.

Solutions to first order ordinary differential equations, including separable, linear, homogeneous of degree zero, Bernoulli and exact with applications and numerical methods. 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)

45 CONTEMPORARY MATHEMATICS

3 units, 3 lecture hours

PREREQUISITES: Mathematics 103. ADVISORIES: Eligibility for English 1A.

This course 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)

102 PLANE GEOMETRY

3 units, 3 lecture hours

PREREQUISITES: Mathematics 201 or equivalent. ADVISORIES: Eligibility for English 1A.

Plane Geometry consists of the study of points, lines and planes. This course will include an introduction to geometric reasoning, and the properties of angles, lines, polygons, and circles. (A)

103 INTERMEDIATE ALGEBRA

5 units, 5 lecture hours

PREREQUISITES: Mathematics 201 or equivalent. ADVISORIES: Eligibility for English 1A.

This course is designed to provide students with a strong foundation in algebra, graphing, and problem-solving skills. This course will cover many algebraic concepts including: equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections. (A)

201 ELEMENTARY ALGEBRA (FORMERLY MATH 101)

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: Mathematics 250 or 252 or equivalent.

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.

203L SUPPORT FOR COLLEGE ALGEBRA

1 unit, 3 lab hours, pass/no pass only

COREQUISITE: Mathematics 3A.

This is a support course for students concurrently enrolled in Math 3A College Algebra. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include order of operations, solving and graphing equations, solving inequalities, rules of exponents, and more.

203S MATH SKILLS FOR SUCCESS IN COLLEGE ALGEBRA

1 unit, 1 lecture hour, pass/no pass only

COREQUISITE: Mathematics 3A.

Math Skills for Success in College Algebra is for students concurrently enrolled in Math 3A. In this class, students will review polynomial, rational, radical, exponential, absolute value, and logarithmic functions and study skills that promote success in Math 3A. COREQUISITE: Mathematics 3A.

204L SUPPORT FOR TRIGONOMETRY

1 unit, 3 lab hours, pass/no pass only

COREQUISITE: Mathematics 4A.

This is a support course for students concurrently enrolled in Math 4A Trigonometry. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include solving equations, manipulating algebraic formulas, transforming algebraic functions, finding inverses of algebraic functions, and more.

204S MATH SKILLS FOR SUCCESS IN TRIGONOMETRY

1 unit, 1 lecture hour, pass/no pass only

COREQUISITE: Mathematics 4A.

Math Skills for Success in Trigonometry is for students concurrently enrolled in Math 4A. In this class, students will review algebraic procedures and study skills that promote success in Math 4A.

205L SUPPORT FOR MATH ANALYSIS I

1 unit, 3 lab hours, pass/no pass only

COREQUISITE: Mathematics 5A.

This is a support course for students concurrently enrolled in Math 5A Math Analysis I. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include factoring and simplifying expressions, reading and interpreting graphs and tables, rewriting algebraic and trigonometric expressions, simplifying expressions using function notation, and more.

210S STRUCTURES AND CONCEPTS IN MATHEMATICS I SUPPORT

1 unit, 1 lecture hour, pass/no pass only

COREQUISITE: Mathematics 10A.

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.

211 PRE-STATISTICS

5 units, 5 lecture hours, pass/no pass

PREREQUISITES: Mathematics 250 or 252. ADVISORIES: Eligibility for English 1A.

Pre-statistics, a non-STEM course, covers core algebra skills needed to understand the concepts, formulas, and graphs used in transfer-level statistics. Pre-statistics integrates numeracy, proportional reasoning, algebraic reasoning, and functions. This course develops conceptual and procedural tools that support the use of key mathematical concepts in statistics in a variety of contexts. This course is NOT intended for math, science, computer science, business, or engineering majors.

211L SUPPORT FOR ELEMENTARY STATISTICS

1 unit, 3 lab hours, pass/no pass only

COREQUISITE: Mathematics 11.

This is a support course for students concurrently enrolled in Math 11 Elementary Statistics. This course will offer just-in-time remediation and the topics will vary depending on student needs but may include reviewing order of operations, rounding real numbers, translating phrases into mathematical statements, graphing linear equations, interpreting the slope and y-intercept of linear equations, scientific notation, and more.

211S MATH SKILLS FOR SUCCESS IN STATISTICS

1 unit, 1 lecture hour, pass/no pass only

COREQUISITE: Mathematics 11.

Math Skills for Success in Statistics is for students concurrently enrolled in Math 11. In this class, students will review algebraic, geometric, and arithmetic procedures and concepts that underlie statistical formulas and other study skills that promote success in Math 11.

250 COLLEGE ARITHMETIC

3 units, 3 lecture hours, pass/no pass

This course is designed as a quick review of college arithmetic to prepare the student for MATH 256 or MATH 201. Topics include arithmetic operations on integers, fractions and decimals; application of order of operations to simplification of mathematical expressions; word problems and applications of arithmetic.

252 COLLEGE ARITHMETIC AND PREALGEBRA

5 units 5 lecture hours, pass/no pass

This course covers arithmetic and key concepts in elementary algebra which are typically difficult for elementary algebra students. Topics include arithmetic operations on integers, fractions and decimals, application of order of operations to simplifying arithmetic and algebraic expressions, solving linear equations, graphing linear equations, and applications.

256 TOPICS BEFORE ALGEBRA

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Mathematics 250 or placement by college process that would qualify the student to place out of Mathematics 250.

This course is an introduction to some of the key concepts covered in Beginning Algebra (e.g., solving equations, graphing, word problems) which are typically difficult for MATH 201 students. This course is designed for the student who has successfully completed MATH 250 or achieved required score on placement exam but does not feel confident enough in his/her skills to be able to take on the fast pace of a traditional MATH 201 class.

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.

MECHANIZED AGRICULTURE (MAG)

19V COOPERATIVE WORK EXPERIENCE, MECHANIZED AGRICULTURE

1-8 units

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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).

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 G, F, and C clefs; intervals, scales, modes, key signatures, triads, seventh chords, non-harmonic tones, transposition, modality and tonality, 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: 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. Emphasis is 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, altered chords, extended tonality, and remote modulation. Study and analysis of representative musical literature. Detailed study of form in Western art music. Required of all music majors. (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 modes, Parallelism, Polychords and Polytonality, expanded metric and rhythmic resources, other scales systems and chord formations, Synthetic scales, Nontertian harmonies, Twelve-tone 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, CSUGE, 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 and may include elements from the campus wide honors themes annually. (A, CSU) (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)

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) (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)

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, pass/no pass only

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

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

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

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

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

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

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, wood characteristics, 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

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

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

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

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

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

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

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: pre-commercial 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

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

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)

17 INTRODUCTION TO FOREST SURVEYING

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Mathematics 103 or 4A.

Students will learn the use of basic surveying equipment such as hand compass, staff compass, Abney level, 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 work books, and/or computer software will be learned. Field trips may be required in this course. (A, CSU)

18 AERIAL PHOTO INTERPRETATION & GEOGRAPHIC INFORMATION SYSTEMS

3 units, 2 lecture hours, 3 lab hours

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)

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: Mathematics 103.

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

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)

25 FOREST AND RESOURCE MANAGEMENT

1 unit, 1 lecture hour

PREREQUISITE: Natural Resources 1.

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

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, 3 repeats

ADVISORIES: English 132.

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. The course will involve participation in collegiate competition. (A, CSU)

32A MUSEUM TECHNIQUES-BEGINNING TAXIDERMY (FORMERLY NR 32)

1 unit, .5 lecture hour, 2.5 lab hours

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

PREREQUISITE: Natural Resources 32A.

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

PREREQUISITE: Natural Resources 32B.

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: Eligibility for English 1A.

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.

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

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: Eligibility for Mathematics 201.

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)

42 ADVANCED WILDLAND FIRE TECHNOLOGY

2 units, 1 lecture hour, 3 lab hours

PREREQUISITE: Natural Resources 5.

This course is a preparation for employment as an advanced wildland firefighter/squad boss (FFT1) with state and federal fire suppression agencies. Course meets or exceeds the minimum requirements for employment through basic interagency courses (S-131, S-211). (A, CSU)

43 WILDLAND FIRE TECHNOLOGY 2

3 units, 2 lecture hours, 3 lab hours

PREREQUISITE: Natural Resources 5.

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.

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

COREQUISITE: Natural Resources 5.

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.

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

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

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

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

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)

150 INCIDENT COMMAND SYSTEM 200

.75 units, .75 hour, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

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)

151 PORTABLE PUMPS AND WATER USE

1 unit, .89 lecture hour, .44 lab hour, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

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)

157 S-230 CREW BOSS (SINGLE RESOURCE)

1.25 units, 1.33 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

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)

158 S-231 ENGINE BOSS

1 unit, .89 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

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)

NURSING ASSISTANT TRAINING (NAT)

101 NURSING ASSISTANT TRAINING

6 units, 4.67 lecture hours, 6 lab hours

ADVISORIES: Mathematics 250, 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: Mathematics 250, 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

PREREQUISITES: Office Technology 150. ADVISORIES: 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

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

ADVISORIES: Mathematics 250.

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 and Mathematics 252.

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 and Mathematics 250.

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)

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)

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

PREREQUISITE: Enrollment in the Honors Program. ADVISORIES: Eligibility for 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 writing. (A, CSU-GE, UC, I) (C-ID PHIL 120)

1D WORLD RELIGIONS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for English 1A.

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)

3B HISTORY OF MODERN PHILOSOPHY

3 units, 3 lecture hours, pass/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)

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)

PHOTOGRAPHY (PHOTO)

1 BASICS OF DIGITAL PHOTOGRAPHY

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

This introductory course covers the history and development of the camera, photographic process and image. Emphasis is placed on the use of the adjustable digital camera for effective visual communication. Basic color theory and methods for correcting digital images will be covered. Introduction level instruction in using image editing software for manipulating raster graphics is a component in the course. (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)

381 ADAPTIVE ACTIVITIES

0 units, 2 lab hours

Exercise and therapy for students with temporary or permanent physical limitations.

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

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)

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)

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)

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)

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, 4 lecture hours, 2 lab hours

PREREQUISITES: Mathematics 4A. ADVISORIES: English 1A.

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, 4 lecture hours, 2 lab hours

PREREQUISITES: Physics 2A. ADVISORIES: Eligibility for English 1A.

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, 4 lecture hours, 3 lab hours

COREQUISITE: Mathematics 5B. ADVISORIES: Eligibility for English 1A.

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, 4 lecture hours, 2 lab hours

PREREQUISITE: Physics 4A. COREQUISITES: Mathematics 6. ADVISORIES: English 1A.

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, 4 lecture hours, 2 lab hours

PREREQUISITE: Physics 4B. ADVISORIES: Mathematics 17 and English 1A.

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)

27 UNMANNED ROCKET SCIENCE

3 units, 2 lecture hours, 3 lab hours

PREREQUISITE: Physics 4A. ADVISORIES: English 1A.

This course introduces students to the creation and implementation of payloads and unmanned flight vehicles. The payloads and unmanned vehicles such as rockets, balloons and unmanned aerial vehicles (drones) collect inflight atmospheric data that are later analyzed and presented. (A, CSU, UC)

PLANT SCIENCE (PLS)

1 INTRODUCTION TO PLANT SCIENCE

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201

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: PLS 1 & PLS 1L)

2 SOILS

3 units, 3 lecture hours, pass/no pass

ADVISORIES: Eligibility for Mathematics 201.

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) (C-ID AG + PS 128L: PLS 2+PLS 2L)

2L SOILS LABORATORY

1 unit, 3 lab hours, pass/no pass

COREQUISITES: Plant Science 2. ADVISORIES: Eligibility for Mathematics 201.

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: PLS 2+PLS 2L)

3 GENERAL VITICULTURE

3 units, 2 lecture hours, 3 lab hours

ADVISORIES: Eligibility for Mathematics 201.

An introduction to viticultural operations. This class will include 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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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, pass/no pass

PREREQUISITES: Mathematics 103.

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)

10 ENVIRONMENTAL AGRICULTURE

3 units, 3 lecture hours

ADVISORIES: Eligibility for Mathematics 201.

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: Eligibility for Mathematics 201.

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) (AG + MA 108L)

14 PLANT NUTRITION

3 units, 3 lecture hours

ADVISORIES: Eligibility for Mathematics 201.

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 and Mathematics 103.

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 and Mathematics 103.

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 and Mathematics 103.

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 103.

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)

31 PREREQUISITE PROGRAMS FOR FOOD SAFETY

1 unit, 1 lecture hour

COREQUISITES: Plant Science 32 and 33.

This course provides an introduction to food safety principles including identification of potential food safety hazards and sources of contamination, understanding 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. (A, CSU)

32 INTRODUCTION TO HAZARD ANALYSIS AND CRITICAL CONTROL POINTS

1 unit, 1 lecture hour

COREQUISITES: Plant Science 31 and 33.

Introduction to Hazard Analysis and Critical Control Points as a systematic and scientifically based approach to food safety through the identification, monitoring and corrective control of critical hazards in food production facilities. (A, CSU)

33 VERIFICATION AND VALIDATION OF HACCP SYSTEMS

1 unit, 1 lecture hour

COREQUISITES: Plant Science 31 and 32.

Introduction to the verification and validation processes necessary to prove that a food safety management system is scientifically valid by gathering evidence to assure that safe food products will be produced once the food safety management system is implemented. (A, CSU)

34 INTERNAL AUDITING OF FOOD SAFETY MANAGEMENT

3 units, 2 lecture hours, 3 lab hours

PREREQUISITES: Plant Science 31, 32, and 33.

An introduction to the knowledge and skills necessary to conduct an effective internal audit of food safety management systems to evaluate regulatory compliance, detect deficiencies, and implement corrective and preventative actions. (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

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: Eligibility for English 1A.

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)

5 SOCIAL PSYCHOLOGY

3 units, 3 lecture hours, pass/no pass

This course focuses on a systematic analysis of the social determinants of behavior and mental processes. Emphasis is 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: English 132 and Psychology 2 or 2H.

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.

Examines sexual behaviors and values in contemporary society from both a psychobiological and sociological perspective. The anatomy and physiology of sex, sex within relationships, alternative lifestyles, fertility management, contraception, sexual dysfunction, and social roles/attitudes will be topics for analysis and discussion. Destructive sexual behavior, rape and incest, paraphilias, and other sensitive subjects will be presented in an explicit and scientific manner. (A, CSU-GE, UC) (C-ID PSY 130)

38 LIFESPAN DEVELOPMENT (SEE ALSO CHILD DEVELOPMENT 38)

3 units, 3 lecture hours

ADVISORIES: English 1A.

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)

45 INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY

3 units, 3 lecture hours

PREREQUISITES: Psychology 2 or 2H, 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)

46 INTRODUCTION TO PSYCHOSOCIAL REHABILITATION

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A or 1AH.

This course will provide an overview of the field of psychosocial rehabilitation including principles and values, history, current practice models, emphasizing consumer empowerment and recovery. (A, CSU)

47 THE HELPING RELATIONSHIP

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A or 1AH.

This course provides an introduction to the essential qualities of a helping relationship, including working collaboratively, engagement, interviewing techniques, assessment and treatment planning. (A, CSU)

48 COMMUNITY INCLUSION

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A or 1AH.

This course provides students with the information and skills needed to link consumers to needed community resources and build a social support network outside of mental health treatment. The course will explore interviewing techniques, basic treatment planning, and cultural sensitivity in the helping profession. (A, CSU)

49 REHABILITATION AND RECOVERY

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A or 1AH.

This course provides a theoretical and practical knowledge base for entry-level skills that are required to deliver psychosocial rehabilitation services to individuals experiencing mental health challenges. The course covers major categories of mental health difficulties, and will provide an introduction to various treatment approaches. (A, CSU)

REGISTERED NURSING (RN)

74 GERIATRIC NURSING THEORY

1.5 units, 1.5 lecture hours

PREREQUISITES: Registered Nursing 160. COREQUISITES: Registered Nursing 75, 77, 79. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course focuses on managing the health, wellness, and nursing care of older adults while living at home or in the acute or long term care setting. The emphasis is understanding the unique needs of the aging population, encouraging health promotion, teaching illness prevention, and maximizing the quality of life utilizing evidence-based standards. Nursing process and Quality and Safety Education for Nurses (QSEN) principles provide guidance to promote, restore, and maintain the functional abilities of the older adult patient. Clinical experiences are integrated with the intermediate medical-surgical nursing course providing student opportunities to implement holistic care of the older adult. (A, CSU).

75 INTERMEDIATE MEDICAL-SURGICAL NURSING

5 units, 2.5 lecture hours, 7.5 lab hours

PREREQUISITES: RN 160 with a grade of "C" or better. COREQUISITES: Registered Nursing 74, 77, 79. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course provides the conceptual basis of nursing care for the acutely ill, non-critical care adult and geriatric clients in an acute medical-surgical setting. The student utilizes the nursing process to recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Concurrent practice in the skills lab and clinical experience in community facilities is required. (A, CSU).

77 PSYCHIATRIC/MENTAL HEALTH NURSING

3.5 units, 2 lecture hours, 4.5 lab hours

PREREQUISITES: RN 160 with a grade of "C" or better. COREQUISITES: Registered Nursing 74, 75, 79. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course focuses on the nursing care of patients with identified psychiatric/mental health problems. It is designed to enable the student to acquire knowledge and skills through the systematic observation of client behavior in order to identify, describe, and classify pertinent behaviors in relation to psychiatric/mental health problems and developmental disabilities. The course emphasizes the use of the nursing process, the nurse-client relationship, and therapeutic communication skills in caring for individuals and their families across the lifespan. Concurrent enrollment in a psychiatric approved clinical site is necessary. (A, CSU)

78 FOUNDATIONS OF MULTICULTURAL NURSING CARE

1 unit, 1 lecture hour

PREREQUISITES: Acceptance into the LVN to RN program, Registered Nursing 160 with a grade of "C" or better. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course provides an introduction to transcultural theories, concepts, and principles that help explain the healthcare needs and responses of individuals and groups within the context of their cultures and subcultures. Diversity is examined relative to the social organization, roles and expectations, communication patterns and values/beliefs underlying health-illness behaviors between western and non-western cultures. Emphasis is placed on the conduct of culturally competent assessments. (A, CSU)

79 NURSING SKILLS LAB I

.5 unit, 1.5 lab hours

PREREQUISITES: RN 160 with a grade of "C" or better. CO-REQUISITES: Registered Nursing 74, 75, 77. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course provides technical knowledge and assessment skills related to adult/geriatric client. Focus is on skills and concepts related to Intermediate Medical-Surgical Nursing and prepares the student to progressively advance in nursing practice to care for adults/geriatric clients with acute and chronic health care problems. Under direct supervision, students will have an opportunity to update previously learned skills, practice complex client care assignments on simulators, and demonstrate proficiency in math and dosage calculations for medication administration. This course also aids in the development of nursing skills related to communication, care planning, and documentation. (A, CSU)

85 ADVANCED MEDICAL-SURGICAL NURSING

6 units, 2.5 lecture hours, 10.5 lab hours

PREREQUISITES: Registered Nursing 160, 74, 75, 77, and 79 with a grade of C or better. COREQUISITES: Registered Nursing 87, 88, 89. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course focuses on providing safe care to multiple clients who have complex, multi-system critical care illnesses or injuries. Correlated clinical experiences emphasize the refinement of clinical decision making, psychomotor skills, and management of client care in professional nursing practice. Concurrent enrollment in the skills lab and clinical experience in community facilities is required. (A, CSU)

87 PEDIATRIC AND MATERNAL-CHILD NURSING

4 units, 2 lecture hours, 4 lab hours

PREREQUISITES: Registered Nursing 160, 74, 75, 77, 79 with a grade of C or better. COREQUISITES: Registered Nursing 85, 88, 89. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

Pediatric Nursing: This course focuses on nursing care of the complex pediatric population in the acute health-care setting. The purpose of this course is to expose students to pediatric clients and their families in the hospital, outpatient clinical, and home health setting, as well as understand the physiological and psychological dynamics of the child and their care-providers. An emphasis is placed on how diseases manifest specifically in the pediatric population. Concurrent enrollment in the skills laboratory and clinical experience in community facilities are required. Maternal-Child Nursing: This is a family-centered course with emphasis on nursing care of the childbearing and childrearing family. Concepts include family communications, teaching, nursing process, critical thinking, legal-ethical issues, and client advocacy. The Orem Self-Care Model and the nursing process are utilized as the framework to assist the student in planning and delivering nursing care that is relevant to the pathophysiological, psychological, sociocultural, and risk-reduction needs of the client/family in childbearing and child-rearing experiences. Concurrent enrollment in the skills laboratory and clinical experience in community facilities are required. Note: Pediatric Nursing is conducted for the first half and Maternal-Child Nursing is the remaining half. The student must pass Pediatric Nursing before advancing to Maternal-Child Nursing. (A, CSU).

88 NURSING LEADERSHIP AND MANAGEMENT

1 unit, 1 lecture hour

PREREQUISITES: Registered Nursing 160, 74, 75, 77, and 79 with a grade of C or better. COREQUISITES: Registered Nursing 85, 87, 89. LIMITATION ON ENROLLMENT: Must have a current LVN licensure.

This course prepares students for the changing role of the professional nurse in complex, rapidly changing health care environment, and diverse health care settings. The theories and methods of leadership and management are explored and applied in the clinical experience. There is an emphasis on critical thinking, team building, communication, priority setting, lifelong learning, and collaborative decision-making as tools applied as a transition into the professional registered nurse workforce. (A, CSU)

89 NURSING SKILLS LAB II

.5 unit, 1.5 lab hours

PREREQUISITES: Registered Nursing 160, 74, 75, 77, and 79 with a grade of C or better. COREQUISITES: Registered Nursing 85, 87, 88. LIMITATION ON ENROLLMENT Must have a current LVN licensure.

This course focuses on the development of advanced clinical skills related to complex, multi-system critical care illnesses or injuries simulations client. Under direct supervision, students will have an opportunity to develop and improve client centered care through advanced critical thinking scenarios, therapeutic nursing interventions and ongoing practice of technical skills within the context of the critical care practice environments. (A, CSU)

160 LVN TO RN ROLE TRANSITION

2 units, 1 lecture hour, 3 lab hours

PREREQUISITES: Biology 20, 22, 31; Chemistry 3A; English 1A; Mathematics 103 or 10A or 45 or 3A or 11 or 11C or Plant Science 9 or Psychology 42 or Statistics 7; Psychology 2; Sociology 1A or Anthropology 2; LIMITATION ON ENROLLMENT: graduation from a state accredited vocational nursing program; current LVN licensure, and acceptance into the LVN to RN program.

This course facilitates the role transition of Licensed Vocational Nurse (LVN) seeking to achieve a Registered Nurse (RN) licensure. Orem's Self-Care theory provides a foundation upon which students are introduced to a systematic approach that utilizes for the nursing process of assessment, planning, implementation and evaluating the nursing care. The course provides the opportunity for the student to practice and reinforce previously learned LVN skills and procedures necessary for advanced placement in the RN program. Students are required to have their skills competencies validated. (A)

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)

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

4 units, 4 lecture hours, 1 lab hour, pass/no pass

Beginning course in conversational and written Spanish for non-native speakers; intended for students without previous exposure to Spanish. Introduction to pronunciation, vocabulary, idioms, grammar, basic composition, and exploration of 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

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Spanish 1, or 2 years of high school Spanish, or the equivalent skill level as determined by instructor.

Second-semester course in conversational and written Spanish for non-native speakers. Development of grammatical structures and expansion of vocabulary. Further study of the cultures of Spain, Latin America and Hispanic cultures of the US. Introduction to the literary text. (A, CSU-GE, UC, I) (C-ID SPAN 110)

3 INTERMEDIATE SPANISH

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Spanish 2 or three years of high school Spanish or the equivalent skill level as determined by instructor.

Third-semester course in conversational and written Spanish for non-native speakers. Review of basic grammar. Further development of oral skills and grammatical structures and continued expansion of vocabulary. Composition and discussion of short literary texts. Increased emphasis on reading and writing as tools in exploring the cultures of Spain and Latin America and the Hispanic cultures of the US. (A, CSU-GE, UC, I) (C-ID SPAN 200)

3NS SPANISH FOR SPANISH SPEAKERS

4 units, 4 lecture hours, pass/no pass

PREREQUISITES: A basic speaking knowledge of Spanish as determined by an oral interview.

First-semester course in Spanish for bilingual or monolingual native speakers designed to develop reading and writing skills. Focuses on expanding vocabulary, improving orthography and 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

4 units, 4 lecture hours, 1 lab hour, pass/no pass

PREREQUISITES: Spanish 3 or 4 years of high school Spanish or the equivalent skill level as determined by instructor.

Fourth-semester course in conversational and written Spanish for non-native speakers. Development of proficiency of grammar and language usage. Continued exploration of 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

4 units, 4 lecture hours, pass/no pass

PREREQUISITES: Spanish 3NS or a proficient speaking knowledge of Spanish as determined by an oral interview.

Second-semester course in Spanish for bilingual or monolingual native speakers designed to develop reading and writing skills. Further development and improvement of skills in standard. Spanish including: exercises in grammar and vocabulary building and research projects. Readings of historical culture and literary texts 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.

A selection of Hispanic short stories, culture, and civilization. Continued development of Spanish-language skills in reading, writing, and speaking. Reading and discussing articles and short stories and viewing and discussing films. Includes presentation of oral and written reports. 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.

Spanish conversational skills for students with a basic knowledge of the language are developed. Oral communication and listening comprehension are emphasized. Some reading and writing skills are developed. Practical vocabulary for everyday usage and application of basic grammatical structures are stressed. Topics include daily life situations 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.

Spanish conversational skills for students at an intermediate level of language proficiency are further developed. Oral communication and listening comprehension are emphasized. Some reading and writing skills are developed. Designed to improve oral expression and fluency in Spanish as used in travel, at home, in school, at work, and in business. Communication skills will be utilized to help bridge 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

Practical introduction to situational Spanish for the professional based on actual case studies. Provides the student with the specific vocabulary, terminology, and cultural insight. Sections offered for the health professions, law enforcement, commercial areas, social work, and public schools personnel.

252 PRACTICAL SPANISH FOR THE PROFESSIONS

3 units, 3 lecture hours, pass/no pass

PREREQUISITES: Spanish 251.

Second semester of situational Spanish for the professional based on actual case studies. Provides the student with the specific vocabulary, terminology, and cultural insight. Sections offered for the health professions, law enforcement, commercial areas, social work, and public schools personnel.

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.

SPEECH LANGUAGE PATHOLOGY ASSISTANT (SLPA)

1 INTRODUCTION TO COMMUNICATION DISORDERS

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A.

This course is designed to address speech and language disorders in children and adults. Topics include speech, hearing, and language disorders, trends in legislation and education, and a review of available community resources. The course provides information to the student exploring a career related to speech and language therapy. (A, CSU)

2 SPEECH, LANGUAGE AND HEARING DEVELOPMENT

3 units, 3 lecture hours

ADVISORIES: Eligibility for English 1A.

This course is the study of speech, language and hearing development across the normal human life span. It includes genetic, cultural, and social aspects of communication development. Theories of language acquisition are discussed. Phonological, morphological, syntactic, semantic and pragmatic development will be considered and language sample analysis with typically developing children is practiced. (A, CSU)

3 THERAPY ANALYSIS AND FIELD OBSERVATION

3 units, 3 lecture hours, 1 lab hour

ADVISORIES: Speech Language Pathology Assistant 1, 2, and eligibility for English 1A.

This course is an introduction to speech therapy programs in public schools, clinics, hospitals, and skilled nursing facilities. Students learn the basic therapy protocol utilized in treatment for all disorders. Critical components of evidenced-based practice and efficient, appropriate therapy are reviewed. The laboratory component includes student observation of a speech therapist at the off-campus facilities. (A, CSU)

4 SERVICE DELIVERY

3 units, 3 lecture hours

ADVISORIES: Speech Language Pathology Assistant 1, 2, and eligibility for English 1A.

This course is a survey of speech and language therapy delivery systems and state and national regulations, laws, and professional organizations for Speech-Language Pathology Assistants (SLPA) that control the delivery of speech and language therapy services in public schools, clinics, hospitals, and skilled nursing facilities. (A, CSU)

5 THERAPY MATERIALS AND PROCEDURES

3 units, 3 lecture hours

ADVISORIES: Speech Language Pathology Assistant 1, 2, and eligibility for English 1A.

This course is a survey of materials and procedures found in Speech-Language Pathology Assistant (SLPA) clinical programs in public schools, hospitals, and skilled nursing facilities. Topics include record keeping, report writing, behavior modification techniques, computer assisted programs, International Phonetic Alphabet (IPA), American Speech-Language Hearing Association (ASHA), Code of Ethics, and state and national guidelines for speech therapy. (A, CSU)

6 ASSESSMENT AND REMEDIATION

3 units, 3 lecture hours

ADVISORIES: Speech Language Pathology Assistant 1, 2, and eligibility for English 1A.

This course explores in-depth specific disorders of communication with a focus on evidence-based practice. It covers assessment results, remediation techniques, and rationales for commonly used therapeutic approaches within the scope of Speech-Language Pathology Assistant (SLPA) practice as well as principles of learning, data collection, clinical documentation, and record keeping. (A, CSU)

7 FIELDWORK

3 units, 1 lecture hour, 6 lab hours

PREREQUISITES: Speech Language Pathology Assistant 1, 2, 3, 4, 5, and 6. ADVISORIES: Eligibility for English 1A.

This course provides supervised fieldwork experience assisting with the clinical management of persons with communicative disorders. There are opportunities to interact with clients/patients while implementing a prescribed treatment plan, and assist with screening under the direction of a Speech-Language Pathologist. The experience also includes opportunities for recordkeeping and managing client data, setting up and preparing for sessions as needed, and performing various clerical duties, as needed. All fieldwork is done in specified off-campus locations such as hospitals, skilled nursing facilities, schools, or other clinical sites. (A, CSU)

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)

VOCATIONAL ENGLISH AS A SECOND LANGUAGE (VESL)

265 UNDERSTANDING & USING VOCATIONAL ENGLISH

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: Use of language other than English as a primary language. Appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test such as the CELSA, successful completion of ESL 264, and/or counselor/instructor recommendation.

VESL 265 is an integrated skills English course for intermediate ESL students who want to learn English for vocational purposes. Students will develop skills in reading, writing, and grammar through vocational content. This course prepares students for ESL 266 level courses and may be taken concurrently with other ESL 265 level courses.

265LS UNDERSTANDING AND USING VOCATIONAL ORAL SKILLS IN ENGLISH

4 units, 4 lecture hours, pass/no pass only

PREREQUISITES: Use of language other than English as a primary language. Appropriate multiple-measure placement by a counselor, which includes score on approved ESL placement test such as the CELSA, successful completion of ESL 264LS, and/or counselor/instructor recommendation.

VESL 265 is an integrated skills English course for intermediate ESL students who want to learn English for vocational purposes. Students will develop skills in reading, writing, and grammar through vocational content. This course prepares students for ESL 266 level courses and may be taken concurrently with other ESL 265 level courses.

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

Initial placement in ESL course offerings is the result of language testing and other criteria. This test is administered by the Assessment Center. Please call 638-0300, ext. 3366 for dates and times.

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.

The Madera Community College Center and Oakhurst Community College Center offices are open from 8:00 a.m. to 7:30 p.m., Monday through Thursday, and 8:00 a.m. to 4:30 p.m., Friday, when classes are in session.

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 30 in this catalog or consult with the Honors Program Director by calling 638-0300.

College Personnel

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Dean of Student Services, Madera Community College Center Leticia Canales
Director, Disabled Students Programs and Services Dr. Samuel Morgan
Manager, Admissions and Records Veronica Fisher
Director, Financial Aid Chris Cortes
Director of Grant Funded Programs Diana Tapia-Wright
Director, Oakhurst Community College Center Dr. Darin Soukup

Reedley College Department Chairs

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Business David Meier
English Carey Karle
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Fine Arts, Social and Behavioral Sciences Bryan Tellalian
Industrial Technology Jason Asman
Health & Physical Education Richard Jennings
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Communication and Languages David Nippoldt
Math, Computer Science, Engineering Doug Gong
Science & Geography Joseph Lin

Reedley College Services Personnel

Director of Athletics and Student Athlete Success Dr. David Santesteban
Director of Student Success and EOP&S Mario Gonzales
Bookstore Manager Miles Abrahamson
District Police Jose Flores
Librarians Stephanie Curry, Shivon Hess
Coordinator, Student Health Kelly Murguia
Student Success & Support Programs (SSSP) Samara Trimble
Student Activities Coordinator Daniel Kilbert
Counselor, Transfer/Articulation Erica Bourbon
Tutorial Services Coordinator Jim Mulligan
Director of Marketing and Communications George Takata
Residence Hall Supervisor Lisa McAndrews
CalWORKs Coordinator Eve Castellanos
Director of Institutional Research, Evaluation and Planning Janice Offenbach
Accounting Supervisor Linda Nies
Building Services Manager Michael Kaiser
Director of College Relations and Outreach Kurt Piland

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

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

GERSTENBERG, REINHOLD H.
1970 - 1997
Natural Resources

GLYNN, JAMES
1998 - 2002
Sociology

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

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

KINZEL, LEROY
1971 - 2003
Aviation Maintenance
Technology

KUBALL, CURT
1973 - 2010
Criminal Justice

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

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

PERKINS, JOHN
1970 - 1994
Athletic Director, Physical
Education

REGIER, THOMAS WAYNE
1976 - 2007
Aviation Maintenance
Technology

RICHEY, DAVID
2007 - 2019
Aviation Maintenance
Technology

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

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

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

Faculty and Administration

Numbers in parenthesis indicate year of appointment at Reedley College.

ABY NAOUM, MICHELLE (2019)
Biology

ADAMS, JENNIFER (2010)
Nursing
A.A., Fresno City College
B.S.N, M.S.N., Grand Canyon University

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

AIZON, ANTONIETTE (2017)
Psychology
B.S., Northern Arizona University, Flagstaff
M.A., Ph.D., Alliant International 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

BARAJAS, APRIL (2016)
Coordinator, Child Development
B.S., M.A., California State University, Fresno

BARNES, LENORA (1995)
Psychology
B.A., M.A., California State University, Fresno
Ph.D., Claremont Graduate University

BERG, EMILY (2008)
English
B.A., University of California, Davis
M.A., California State University, Sacramento

BERRY, DONNA (2011)
Vice President of Administrative Services
A.A., Porterville College
B.S., California State University, Fresno
M.B.A., University of Phoenix, Fresno
Professional Clear Business Education Teaching Credential, Chapman University, Visalia

BIEHLER, HILLARY (2017)
Mathematics
B.A., Fresno Pacific University
M.A., California State University, Fresno

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

BOURBON, ERICA (2016)
Counselor, Transfer/Articulation
B.A., University of California, San Diego
M.A., California State University, Fresno

BOYER, JASON (2018)
Information Systems
B.A., Columbia College
M.B.A., University of Phoenix

BRAVO, ANGELINA (2017)
Licensed Vocational Nursing
B.S.N., California State University, Fresno

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

CADE, ALAN (2017)
Accounting
B.S., M.B.A., California State University, Fresno

CALHOUN, ASHLEY (2011)
Disabled Students Programs & Services Counselor/ Coordinator (SSS)
B.A., M.S., California State University, Fresno

CANALES, LETICIA S. (2016)
Dean of Student Services
A.A. Kings River Community College
B.A., M.A., California State University, Fresno

CARRERA, TRACY (2016)
Art
B.F.A., Utah State University, Logan, UT
M.F.A., Utah State University, Logan, UT

CARTWRIGHT, GEORGE (2010)
Criminology
A.A., San Jose City College
B.A., Fresno Pacific College
M.A., Fresno Pacific University
PsyD, Alliant International University

CARVALHO COOLEY, LINDA (2007)
Communication
B.A., M.A., California State University, Fresno
Ed.D, Brandman University

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

CONNELLY, ANYA (2019)
English

CONNER, SHELLY (2018)
Dean of Instruction

COOPER, NICOLE (2015)
Communication Studies
B.A., M.A., California State University, Fresno

CORCHADO, FRANCISCO (2019)
Counselor

CORNEL, VERONICA (2006)
Chemistry
B.S., M.S., University of the Witwatersrand

CORTES, CHRIS (2001)
Director, Financial Aid
B.S., Woodbury University, Los Angeles
M.A., California State University, Dominguez Hills

CORTES HOWDEN, LYNETTE D. (2015)
Mathematics
B.A., University of California, Santa Barbara
M.A., California State University, Fresno

CURRY, STEPHANIE (2001)
Librarian
B.A., Dominican College
M.A., Purdue University
M.L.S., Syracuse University

CUSAAC, JOHN W. (2006)
Information Systems
A.A., Orange Coast College
B.S., University of LaVerne
M.B.A., Pepperdine University
M.S., Claremont Graduate University
Ph.D., Claremont Graduate 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

DAY, ELIZABETH (2015)
Nursing
M.S.N., B.S.N., Virginia Commonwealth University

de MORALES, LINDA (2015)
Chemistry
B.S., University of California, Davis
M.A., University of California, Davis
M.S., University of Montana, Bozeman

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 (2009)
Mechanized Agriculture
B.S., California State University, Fresno
M.S., California Polytechnic State University, San Luis Obispo

DOMINGUEZ, DAVID (2001)
English
B.A., University of California, Irvine
M.F.A., University of Arizona

DRULEY, JAMES (1999)
Philosophy
B.A., M.A., University of California, Irvine

ENSMINGER, MARIA (2008)
Counseling
B.S., M.S., California State University, Fresno

ENSZ, TONI S. (2008)
Office Technology
B.S., California State University, Fresno

ESQUIVEL, JAMES (2007)
Mathematics
B.A., California State University, Fresno
CA Secondary Credential, National University
M.A., Fresno Pacific University

EUBANKS, AARON (2019)
Career, Transfer and Transitions Counselor/Coordinator

FERNANDEZ, CAROL (2003)
Licensed Vocational Nursing
A.D.N., Chemeketa Community College

FITZER, JOHN (2012)
English
B.A., California State University, Fresno
Ed.M., M.B.A., Ph.D., University at Buffalo

FLEURIDOR, MARC (2010)
Biology
B.S., Union College
Ph.D., Albert Einstein College of Medicine

FRAMPTON, NANCY (1999)
English as a Second Language
B.A., M.A., California State University, Fresno

FRANSEN, ROBERT (2005)
Manufacturing Technology
A.S., Texas State Technical Institute
B.S., California State University, Chico

FRIESEN, KELSEY (2017)
Mathematics
B.A., M.A., California State University, Fresno

GARABEDIAN, DEANNA (2019)
English

GARZA, DENISE (2019)
EOPS/CARE/CalWORKs Counselor

GARZA, IRENIO (2007)
Automotive Technology
A.A., Kings River Community College
ASE Certified Master Technician, Automotive Advanced Engine Performance General Motors Master Technician
State of California License: Emissions

GARZA, RICARDO (2008)
English
B.A., M.F.A., California State University, Fresno

GENERA, MARK RANDOLPH (1989)
History
B.A., University of California, Santa Cruz
M.A., Harvard University

GILMORE, JAMES (1998)
Mathematics
B.A., M.A., California State University, Fresno

GILMORE, PAMELA (2000)
Office Technology
A.A., Fresno City College
B.S., California State University, Fresno
M.B.A., Regis University, Denver, Colorado

GOMEZ, BONITA (2019)
Career, Transfer and Transitions Coordinator

GONG, DOUGLAS (2008)
Mathematics
B.A., M.A., California State University, Fresno

GONZALES, MARIO (1997)
Director of EOPS/CARE
A.A., Fresno City College
B.A., M.A., California State University, Fresno

GRABER-PETERS, JENNIFER (2019)
Communication Studies

GRAY, JENNIFER (1997)
Biology
B.S., University of Massachusetts, Amherst
M.A., California State University, Fresno
M.S., University of California, Berkeley
Ed.D., UC Davis

HABIB, CLAUDIA
Vice President of Madera Community College Center and Oakhurst Community College Centers

HANSON, ERIK (2010)
Manufacturing Technology
A.A., Fresno City College

HARRIS, MARIE (2014)
Dean of Instruction
A.A., Reedley College
B.A., California State University, Bakersfield
M.A., University of Phoenix, Raleigh, North Carolina

HEATHCOTE, JOHN (2000)
Engineering, Mathematics
B.S., Purdue University
Ph.D., University of California, Santa Barbara

HESS, SHIVON R. (2015)
Librarian
B.A., University of North Florida, Jacksonville
M.L.I.S., Florida State University, Tallahassee

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

JENNINGS, RICHARD (2015)
Men's Basketball Coach, Physical Education
B.A., M.S., Fresno Pacific University

JONES, STEVEN (1999)
Counseling
B.A., Fresno Pacific College
M.A., Fresno Pacific University

KANDARIAN, TODD (2001)
Mathematics
B.A., M.A., California State University, Fresno

KARLE, CAREY (1998)
English
B.A., M.A., California State University, Fresno

KASTANES, BILL (2000)
Geography
B.S., M.S., Northern Illinois University

KATO-GEE, KIMI (2014)
LVN Coordinator
B.S.N., California State University, Fresno
M.S.N., California State University, Dominguez Hills

KEHOE, JULIE O. (2016)
Mathematics
B.A., M.A., California State University, Fresno

KILBERT, DANIEL (2007)
Student Activities Coordinator, Women's Basketball Coach
B.A., CA Lutheran University
M.A., National University

KINNEY, KENT (2001)
Natural Resources
B.S., M.S., California Polytechnic State, San Luis Obispo

LAPP, DEBORAH (1995)
English
B.A., Stanford University
M.A., California State University, Fresno

LASALLE, RYAN (2005)
English
B.A., M.A., California State University, Fresno

LEECH, STEPHEN JAY (2005)
English
B.A., University of South Carolina, Columbia
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

LUCHESI, MICHAEL A. (2016)
Manufacturing Machinist
A.S., Fresno City College
B.V.E., California State University, Fresno
ASE Certified Master Machinist

LUERA, KRISTINA (2008)
Child Development
B.S., California State University, Fresno
M.A., National University

LYONS, DEBORAH (2017)
English
B.A., Whitworth University, Spokane, WA
M.A., School of Oriental and African Studies, University of London London, U.K

MacARTHUR, JAMES (2015)
Chemistry
B.S., University of Washington, Seattle
M.S., Colorado School of Mines, Greeley

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

MARTY, ERIC (2016)
Physical Education, Football Coach
B.A., Chapman University
M.S., American Military University
M.A., Fresno Pacific University

MARYANOW, NATASHA (2008)
English
B.A., M.A., Pyatigorsk State Linguistic University
M.A., Carleton University

MATA, OLEGARIO (1998)
Mathematics
B.A., M.A., University of California, Santa Cruz

MATTOX, KRISTEN S. (2006)
Physical Education/Health
B.A., M.A., California State University, Fresno

MEDINA-GROSS, KATHERINE (2016)
CTE Counselor
A.A., Fresno City College
B.A., M.A., California State University, Fresno

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

MENZ, TRACI (2016)
Disabled Students Programs & Services Counselor/Coordinator
MSW, California State University, Stanislaus
B.A., M.A., California State University, Fresno

MILLAR, BRAD S. (2001)
Communication
B.A., M.A. California State University, Fullerton
M.A., 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

MONTEJANO, DENNIS (2016)
Criminology
B.S., M.S., California State University, Fresno

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

MORLEY, RYAN (2019)
Speech Language Pathology Assistant Instructor/Coordinator

MULLIGAN, JAMES (2015)
Tutorial Center Coordinator
B.A., California State University, Fresno
M.A., Fresno Pacific University

MURPHY, HARMONY (2017)
Music (Vocal)
B.A., California Polytechnic State University, San Luis Obispo
M.M., California State University, Los Angeles
M.M., Notre Dame de Namur
D.A., Ball State University

NEWTON, MICHAEL (2017)
Communication Studies
M.A., California State University, Fresno

NIPPOLDT, DAVID (2006)
English as a Second Language
B.A., Brooks Institute
M.A., Fresno Pacific University

NORTON, STEVEN (1998)
Art
B.A., Central Washington University
M.F.A., University of California, Santa Barbara

NOVATNE, LAUREN (2001)
Physics
B.S., Sonoma State University
M.S., California State University, Fresno

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
B.S.I.T, M.S.I.T., California State University, Fresno

PALSGAARD, LOREN (1998)
English
B.A., M.A., California State University, Fresno
M.F.A., University of Oregon

PARENTO, LOIS M. (1997)
Dental Assisting
Registered Dental Assistant
Certified Dental Assistant – Coronal Polish and Ultrasonic Scaler

PAUL, HEATHER (2015)
Reading
B.A., California State University, Fresno
M.A., Fresno Pacific University

PAVIC, DEJAN (2019)
Engineering

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

PILAND, KURT (2015)
Director of College Relations and Outreach
B.A., M.S., California State University, Fresno

RAGAN, JEFFREY (2007)
English
B.A., M.A., Fresno Pacific University

RAMIREZ, GREGORY (2008)
English
B.A., M.A., California State University, Fresno

RAMSEY, TINA D. (2017)
English
B.A., M.A., California State University, Fresno

RARD, ELIZABETH (2017)
Philosophy
B.A., University of California, Davis
M.A., California State University, San Jose

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

REITHER, LINDA (2002)
Disabled Students Programs and Services
B.A., M.A., California State University, Fresno

RENBERG, SHELLEY A. (2018)
Coordinator, Health Services
B.S.N., M.S.N., University of San Francisco

RENTERIA, JAVIER (1999)
Counseling, Student Athlete Retention Program
A.S., Merced College
B.A., M.S., California State University, Fresno

REYNA, ANGEL (2019)
Campus President, Madera Community College Center
B.A., M.A., Washington State University

RICHARDSON, DAVID (1997)
History
B.A., M.A., California State University, Fresno

RODRIGUEZ, FATIMA (2001)
Sociology
B.S., California State University, Fresno
M.A., Purdue University

RODRIGUEZ, JUAN (2017)
Mechanized Agriculture
B.S., University of Phoenix, Fresno

ROSENDALE, STEPHEN (2016)
Automotive Technology
A.S., Fresno City College

RUDE, GERALD D. (2017)
Physics

SEO, EUNJI (2017)
Accounting
B.S., M.S, University of New Orleans

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, COLLEEN (1989)
Music
B.A., M.A., D.M.A., Stanford University

SNYDER-RAY, 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)
Information Systems
B.S., California State University, Fresno
M.B.A., Cal Poly, San Luis Obispo

SORENSEN, SHELLEY (2003)
Dental Assisting
A.A., Reedley College
Registered Dental Assistant
Certified Dental Practice Management Administrator

SOUKUP, DARIN (2015)
Director, Oakhurst
B.S., California Polytechnic State University, San Luis Obispo
Ph.D., University of Washington, Seattle

SPEAR, GRICELDA (2005)
Counseling
B.A., California State University, Northridge
M.S., California State University, Fresno

SPOMER, CHRISTOPHER (2008)
Counseling
B.S., M.A., California State University, Fresno

STAMPER, ELAINE (2007)
English
B.A., Cal Poly, Pomona
M.A., California State University, Los Angeles

STRANKMAN, ANDREW W. (2016)
Biology
B.S., M.S., California State University, Fresno

STRICKER, MICHELLE (2009)
Student Success & Support Programs (SSSP)
A.A., Reedley College
B.S., California State University, Fresno
M.S., The University of Memphis

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

TAPIA-WRIGHT, DIANA (2002)
Director of Grant Funded Programs
A.S., Reedley College
B.S., California State University, Fresno
M.S., National University
Ed.D, 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
B.A., California State University, Fresno

TRIMBLE, SAMARA (2008)
Disabled Students Programs & Services Counselor/Coordinator
B.S., M.S., California State University, Fresno

TRIPLITT, TRACI A. (2016)
Child Development Instructor/ Coordinator
B.S., M.S., California State University, Fresno

TURINI, WILLIAM (2001)
Political Science
B.A., University of California, Davis
M.A., California State University, Sacramento

VAN DAM, DALE (2017)
Vice President of Instruction
B.A., University of California, Santa Barbara
M.A., University of Utah, Salt Lake City

VEGA, GUADALUPE (1998)
Spanish
B.A., M.A., California State University, Fresno

WATTS, KATE (2006)
English
B.A., Ithaca College
M.A., California State University, Fresno

WENTER, GARY (1999)
Mechanized Agriculture
B.S., California State University, Fresno
M.S., California Polytechnic State University, San Luis Obispo

WINTER, KELLY (2015)
Developmental Mathematics
B.A., M.A., Fresno Pacific University

WOODARD, KEVIN D. (2015)
Agriculture Business
B.S., California State University, Fresno
M.S., California Polytechnic State University, San Luis Obispo

WOOLSEY, JOSEPH (2019)
Aviation Maintenance Technology

YANCEY, FRANK (1999)
Biology
B.S., California State University, Long Beach
M.A., California State University, Fresno
Ph.D., Texas Tech University

YOUNG-MANNING, SHERYL (1997)
English
B.A., M.A., California State University, Fresno

ZIELKE, KEITH (2003)
Aviation Maintenance Technology
A.A., Fresno City College

ZIGLER, JANICE M. (1988)
English
B.A., M.A., California State University, Fresno

ZOOK, STEVEN (2015)
Mathematics
B.A.,Fresno Pacific University
M.A., California State University, Fresno

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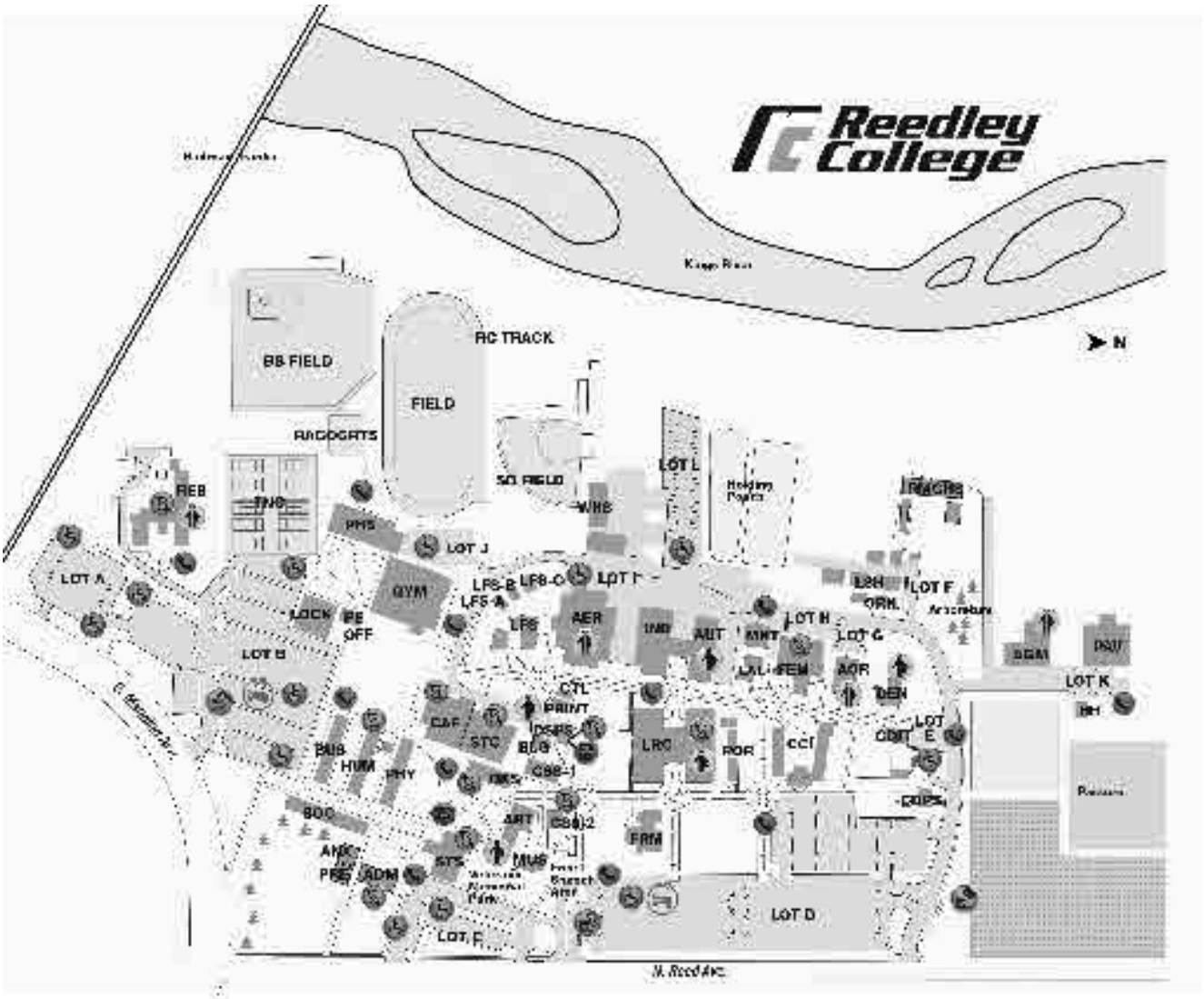


Public Telephone

Daily Parking Permit Dispenser

UbiBus

Electric Charging Station

Accessible Parking

TDD/TTY Telephone

Emergency Telephone

Gender Neutral Restroom

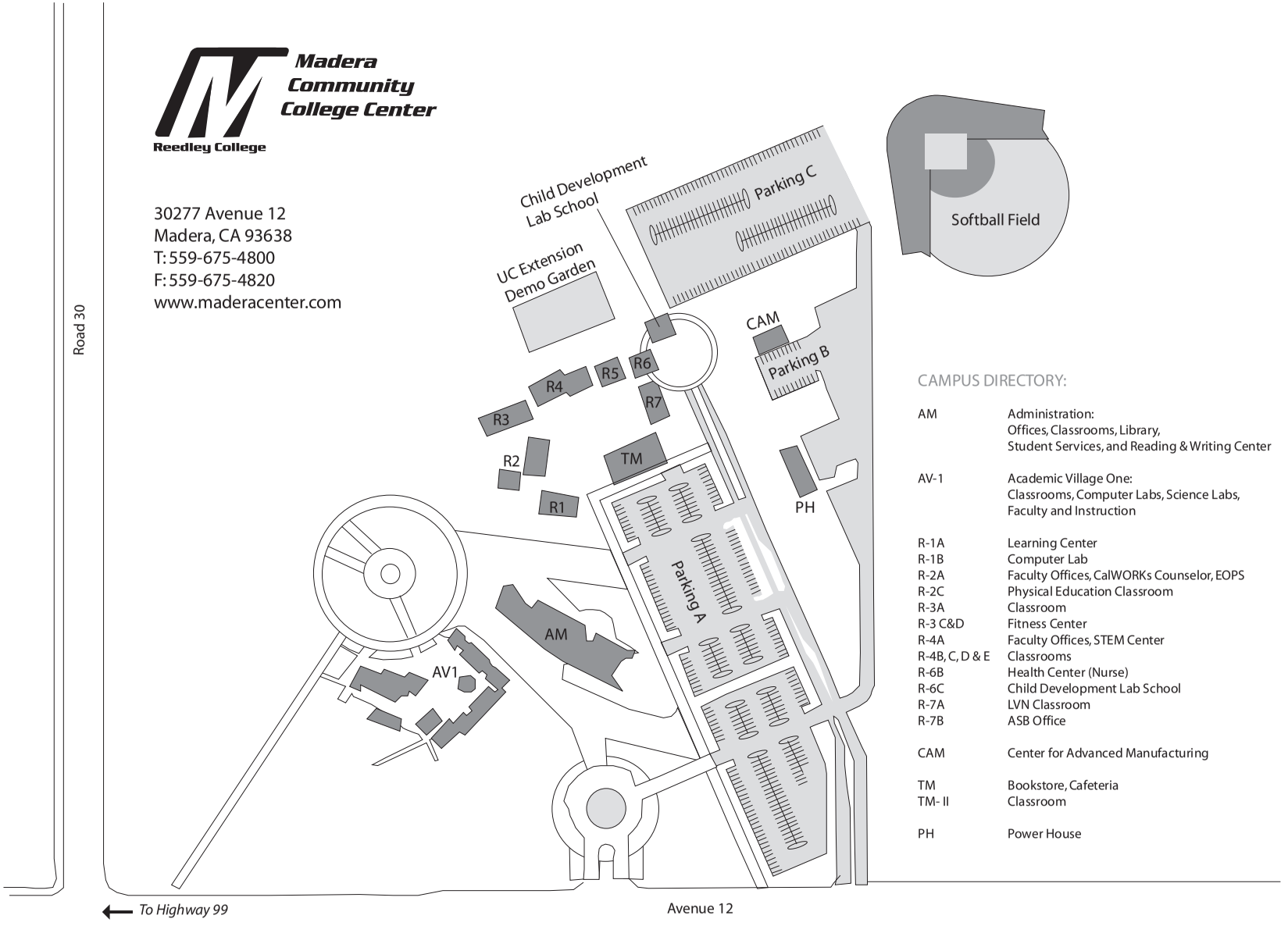
PARKING: LOTS A-L

PARKING: LOTS G, F, G, I, & J: Staff Only

ADM	Administration
AGR	Aeronautics
AGR	Agriculture
ANX	Annex
ART	Art Center
AGR	Ag Mechanics
AUT	Automotive
BB FIELD	Baseball Field
BKS	Bookstore
BLG	Building Services
	• Receiving
BUS	Business Education
	• Business Internship Center
CAF	Cafeteria
CCI	Classroom Complex
CDT	Child Development Infant & Toddler Lab
CDPS	Child Development Preschool Lab
CSS-1	Center for Student Success-1
	• Career and Employment Center
	• DSPS/EOPS/TRIO/CARE
	• Student Support Services (SSS)
	• Transfer Center
CSS-2	Center for Student Success-2
	• CalWORKs
	• College Relations & Outreach
	• Upward Bound
CTL	Computer Technology Lab
DEN	Dental Assisting
FB FIELD	Football Field
DSPS	Disabled Students Programs & Services
ENG	Forestry, Engineering, & Math
	• Math Center
FRM	Farms
GRN 1-2	Greenhouses
GYM	Gymnasium
HH	Henderson Housing
HUM	Humanities
	• Access.com Center
	• Reading & Writing Center
IND	Industrial Technology
LAL	Language Arts Lab
LFS	Life Science
LFS-A	Life Science A
LFS-B	Life Science B
LFS-C	Life Science C
LOCK	Locker Rooms
LRC	Library
	• Learning Center
LSH	Landscape Horticulture
MNT	Maintenance
MUS	Music
PAV	Animal Science Pavilion
PHS	Physical Education
PE OFF	Physical Education Offices
PHY	Physical Science
POR	Portable Classrooms
PRES	President's Office
PRINT	Printing Services
RACQUETB	Racquetball Courts
RC TRACK	Track
RES	Residence Hall
RMCHS	Reedley Middle College High School
SB FIELD	Softball Field
SOC	Social Science
	• Communication Lab
STC	Student Center
	• Student Activities Office
	• Student Lounge
	• Veteran's Center
STS	Student Services
	• Admissions & Records
	• Business Services
	• Counseling
	• Financial Aid
	• Health Services
TRC	Tennis Courts
WHS	Warehouse

Madera Community College Center
Reedley College

30277 Avenue 12
Madera, CA 93638
T: 559-675-4800
F: 559-675-4820
www.maderacenter.com



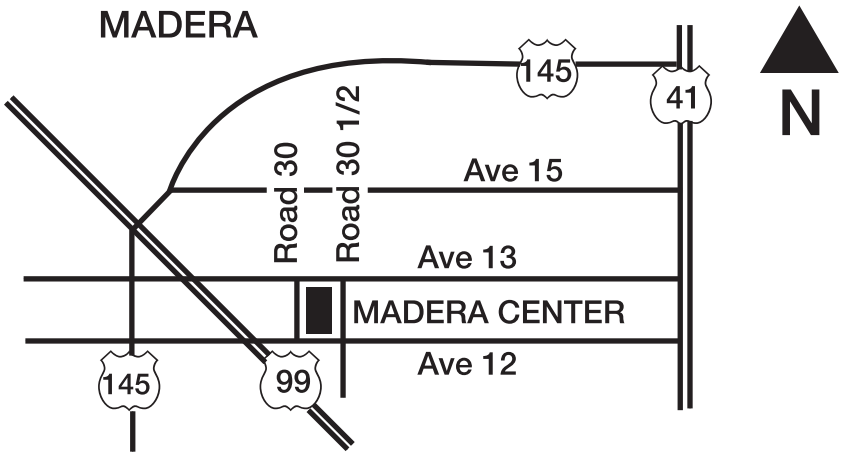
CAMPUS DIRECTORY:

AM	Administration: Offices, Classrooms, Library, Student Services, and Reading & Writing Center
AV-1	Academic Village One: Classrooms, Computer Labs, Science Labs, Faculty and Instruction
R-1A	Learning Center
R-1B	Computer Lab
R-2A	Faculty Offices, CalWORKs Counselor, EOPS
R-2C	Physical Education Classroom
R-3A	Classroom
R-3 C&D	Fitness Center
R-4A	Faculty Offices, STEM Center
R-4B, C, D & E	Classrooms
R-6B	Health Center (Nurse)
R-6C	Child Development Lab School
R-7A	LVN Classroom
R-7B	ASB Office
CAM	Center for Advanced Manufacturing
TM	Bookstore, Cafeteria
TM- II	Classroom
PH	Power House

Oakhurst
Community
College Center
Reedley College
P.O. Box 1910
Oakhurst, CA 93644
559-683-3949
F: 559-683-4193
www.oakhurstcenter.com
Parking
Parking
Oak Circle Drive
CAMPUS DIRECTORY

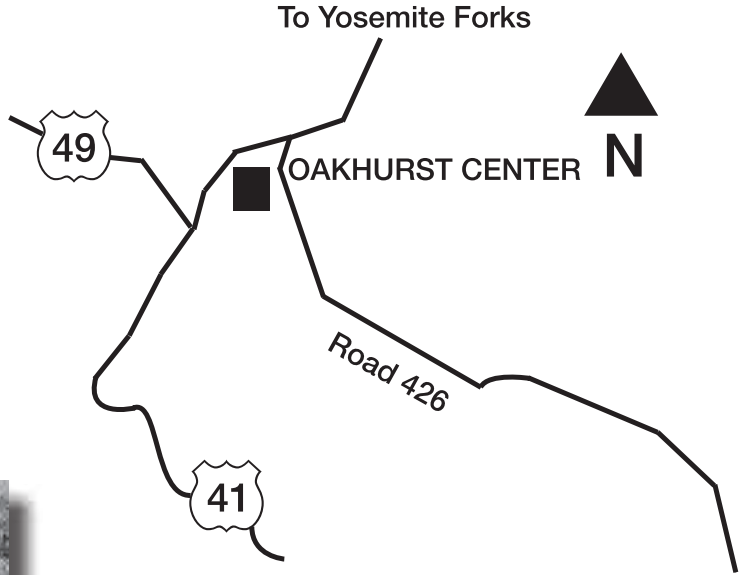
Madera Community College Center
Reedley College

MADERA COMMUNITY COLLEGE CENTER
30277 Avenue 12
Madera, CA 93638
(559) 675-4800



Oakhurst Community College Center
Reedley College

OAKHURST COMMUNITY COLLEGE CENTER
P.O. Box 1910 • 40241 Hwy 41
Bldg. Site "G"
Oakhurst, CA 93644
(559) 683-3940



Other Important Phone Numbers

(Area code 559)

Madera Community College Center

Main Switchboard 675-4800
Bookstore 675-4837
Disabled Students Programs & Services 675-4864
Instruction (Office of) 675-4881
Library/Learning Resource Center 675-4835

Oakhurst Community College Center

Main Switchboard 683-3940

Reedley College

995 North Reed Avenue
Reedley, CA 93654
(559) 638-0300
www.reedleycollege.edu

Madera Community College Center
Reedley College

30277 Avenue 12
Madera, CA 93638
(559) 675-4800
www.maderacenter.com

Oakhurst Community College Center
Reedley College

40241 Hwy 41 Bldg. Site "G"
Oakhurst, CA 93644
(559) 683-3940
www.oakhurstcenter.com

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 and/or the Section 504/ADA Coordinator. Reedley College Title IX Officer/Section 504/ADA Coordinator: Lisa McAndrews • 995 North Reed Avenue • Reedley, CA, 93654 • 559-638-0300 ext. 3258