Catalog Addendum 2014-2015

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The Yuba Community College District and Woodland Community College have made concerted efforts to ensure that the contents of the 2014-2015 catalog are accurate. However, courses, programs and information therein are subject to change due to varied reasons and the rights of the administration to amend contents due to changes in regulations, omissions or oversight. This addendum reflects additions and changes to the content specified in the 2014-2015 catalog. The original 2014-2015 catalog and this addendum are valid for the 2014-2015 academic year. Catalog rights for the 2014-2015 catalog includes the content of this addendum.

http://wcc.yccd.edu

Woodland Community College 2014-2015

Challenges to prerequisites/corequisites should be on the approved form and filed with the Admissions and Records Office.

Public Law 101-542 & 102-26— Student Right To Know

In compliance with the Student-Right-to-Know and Campus Security Act of 1990, it is the policy of the Yuba Community College District to make available its completion and transfer rates to all current and prospective students. From Fall 2006, 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, nor do they account for student outcomes occurring after this three-year tracking period. Based upon the cohort defined above, 42 percent attained a certificate or degree or became "transfer prepared" during a three-year period, from Fall 2006 to Spring 2009. Students who are "transfer-prepared" have completed 56 transferable units with a GPA of 2.0 or higher. Based on the cohort defined above, 31.6 percent transferred to another postsecondary institution, prior to attaining a degree, certificate, or becoming "transfer-prepared" during a five-semester period, from Spring 2003 to Spring 2005.

YCCD Certificate and Degree Totals

The following are the numbers of degrees and certificates awarded District-wide for the last four years (counts Fall, Spring, and Summer). These totals do not consider the students' status upon entering the District.

2008-09	
Associate in Arts	173
Associate in Science	478
Certificates of Achievement	141
Certificate of Completion	98
Certificate of Training	104
Total 2009-10	**994**

Associate in Arts Associate in Science Certificate of Achievement Certificate of Completion Certificate of Training	139 516 200 13 64
Total	**932**

2010-11	
Associate in Arts Associate in Science Certificate of Achievement Certificate of Completion Certificate of Training	153 573 262 6 65
Total	**1,059**

2011-2012	
Associate in Arts Associate in Science Certificate of Achievement Certificate of Training	89 450 232 3
Total	**774**

Course Repetition

Repetition of courses is conducted in compliance with California Title 5 Regulations, Sections 55040 through 55046. No course repetition procedures established by the District will conflict with Education Code 76224 pertaining to the finality of grades assigned by instructors, with Title 5 Section 59023, or District procedures relating to the retention and destruction of records.

(A) Course Repetition with a Substandard Grade:

Students may repeat a course up to two times in the Yuba Community College District in which a notation of D, F, NP (No Pass), or W (Withdrawal) was earned (maximum three enrollments). This regulation is effective across the district at both colleges. If a student enrolled in a course at Yuba College or Woodland Community College this counts as one of the three attempts.

Upon completion of the repeated course, the best grade earned will be computed in the cumulative grade point average. The lower grade will remain on the academic record, but will be coded with a symbol indicating the course has been repeated and will be disregarded in the computation of the grade point average. The student's academic record will be notated so that all work remains legible, insuring a true and complete academic history.

(B) Course Repetition without a Substandard Grade:

A course may be repeated when one of the following apply:

• The college finds there are extenuating circumstances. Extenuating circumstances are verified cases of accidents, illness, or other circumstances beyond the student's control. This is a one-time exception.

• A student may repeat a course because there has been a significant lapse of time since the student previously took the course (no less than three years) when the District has properly established a recency prerequisite for a course or program or another institution of higher education to which the student seeks to transfer has established a recency requirement which the student will not be able to satisfy without repeating the course in question. Grades awarded for courses repeated under this circumstance shall not be counted when calculating a student's grade point average. This is a one-time exception.

• Courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor's degree. The District will retain supporting documentation that verifies that the repetition is necessary to meet the major requirements as a Class 3 record basic to audit. This is a one-time exception.

• Students may repeat courses listed in the college catalog to meet a legally mandated training requirement as a condition of continued paid or volunteer employment. These repetitions are not limited and are granted based on the college's verification of established legal mandates. Such courses may be repeated for credit, and the grade and units shall be included for purposes of calculating the student's grade point average. The district may claim apportionment each time the student repeats the course.

Course repetition for disabled students is subject to the course repetition limitation; however, additional repeats may be individually authorized through the DSPS Office under the following circumstances:

1. When continuing success of the student in other general and/or special course (such as Adapted Physical Education), is dependent on additional repetitions of a specific course;
2. When additional repetitions of a specific special course are essential to completing a student's preparation for enrollment into other regular or special course (such as Assistive Computer Technology, LEARN 155 or LEARN 156); or
3. When the student has a student educational contract which involves a goal other than completion of the special course in question and repetition of the course will further assist with achievement of that goal.

The previous grade and credit shall be disregarded in the computation of grade point average each time the course is repeated.

(C) Repeatable Courses:

Courses designated as "repeatable" are identified as such in the College Catalog and Schedule of Classes following the course description. For these courses the grade received each time is calculated in the student's grade point average.

1. Courses designated as repeatable:
   - Intercollegiate athletics where enrollment in the course is limited to no more than four times;
   - Cooperative work experience courses up to a maximum of 16 units in any combination of Work Experience Occupational/General) and Internship enrollments;
   - The course is a portion of a variable unit open entry/open exit course up to the maximum number of units allowed

2. Enrollment limitations in courses related in content: Students may not enroll more than four times in any combination of active participatory courses that are related in content. The colleges designate courses that are related in content as "families of courses".

Active participatory courses are those courses where individual study or group assignments are the basic means by which learning objectives are obtained. Examples of active participatory courses include physical education, visual arts or performing arts. This enrollment limit applies even if the student receives a substandard grade or "W" during one or more enrollment or petitions for repetition due to extenuating circumstances.

Graduation Requirements

Woodland Community College has a formal graduation ceremony once a year at the end of the spring semester. Students may petition to graduate in the Fall, Spring, or Summer terms. Students must APPLY to graduate prior to the posted deadlines for each term in order to be considered for graduation. Applications are available at the Admissions and Records Office, or through MyCampus Portal.

This catalog describes the District's graduation and transfer requirements. Not all requirements can necessarily be met at all locations where classes are offered. Students should seek the consultation of Counselor's, the Schedule of Classes, or WebAdvisor to determine the type of classes and frequency of offerings.

All students, including transfers from other colleges, are encouraged to complete a placement examination (see "Placement Examination" information on page 25). Transfer students must have a 2.0 grade point average (GPA) in associate degree level course work, have a 2.0 GPA in Yuba Community College District associate degree level course work and have completed 12 units of associate degree level course work from Woodland Community College in order to graduate.

Students who desire to graduate may work toward an Associate in Arts, Associate in Science, Associate in Arts for Transfer, or an Associate in Science for Transfer degree. Students who plan to continue their education at a four-year college or university should also plan on completing transfer requirements and should consult a counselor for further information.

Common to both the Associate in Arts and the Associate in Science degrees is a strong general education program which fosters the following philosophy:
General Education Philosophy Statement
"General Education in the Yuba Community College District is more than a set of required courses. It is a course of study designed to assist the student in beginning an effective lifelong learning process in which the interrelationships of human knowledge and experience are recognized. Embodied in this design is recognition of the student's need to think and communicate effectively, both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; to develop the capacity for self-understanding; and to understand the issues related to and the ways in which health and well-being can be maintained."

COURSE REQUIREMENTS FOR THE DEGREE: Only courses completed by deadlines may be counted toward the degree to be issued for the requested term. (See "Course Numbering System," limitation of 100-299 courses for associate degree.)

Associate in Arts/Associate in Science Degree

The Associate in Arts or Associate in Science degree may be awarded to a student who has completed the following requirements:

REQUIREMENT 1: All students must pass the reading, writing, and mathematics competency examinations or equivalents listed below.

COMPETENCY REQUIREMENTS:
Reading competency may be met by:
1. Passing English 1A with a "C" or better; OR
2. Passing Reading 70 with "C" or better; OR
3. Achieving a passing score on the Reading Placement Examination; OR
4. Possession of an A.A., A.S., or higher degree at the time of admission to the District.

NOTE:
Students seeking an A.A./A.S. degree should complete the reading competency requirement within the first 30 units of credits earned in the YCCD district, or be enrolled in a prerequisite reading course.

Writing competency may be met by:
Passing English 1A with "C" or better.

Mathematics competency may be met by:
1. Any mathematics or statistics course that has Math 50 as a prerequisite; or
2. any higher level mathematics or statistics course.

REQUIREMENT 2: All students must complete 18 units of general education, selecting at least 3 units each from Areas A, B, C, D1, D2, and E below.

AREA A. NATURAL SCIENCE (Select 3 units)
Agriculture 45, 45L
Astronomy 1L
Anthropology 1
Biology 1, 10, 10L, 11, 12, 15, 24, 25, 30
Chemistry 1A, 1B2A, 10
Ecology 10, ~~12~~
Geography 1
Geology 8, 10, 10L, 11L, 12, 20, 81
Physical Science 10A, 10AL, 10B, 10C
Physics 2A, 10L, 4A, 4B, 4C
Plant Science 20, 20L, 22, 22L

AREA B. SOCIAL SCIENCE (Select 3 units)
Administration of Justice 10
Anthropology 2, 3
Asian-American Studies 14
Early Childhood Education 3
Economics 1A, 1B
Education 15
Ethnic Studies 1, 6, 15

Graduation Requirements

History 4A, 4B, 5A, 5B, 6, 7, 8, 11, 14, 15, 17A,17B
Native American Studies 7
Political Science 1, 7
Psychology 1A, 1B, 12, 22, 31, 33, 41, 46
Sociology 1, 2, 5, 6, 10
Speech 6, 7, 8

AREA C. HUMANITIES (Select 3 units)
Administration of Justice 1
Art 1A, 1B, 1C, 5
Early Childhood Education 21
English 1B, 2, 30A, 30B, 31, 33, 34, 36, 37, 38 , 44, 46A, 46B
Humanities 3, 5, 10, 11, 12, 15, 33, 34
Music 3, 12, 15
Philosophy 1, 2, 3, 20
Sign Language 1, 2, 3
Spanish 1, 2, 3,10, 20A, 20B
Speech 2
Theatre Arts 33, 34

AREA D. LANGUAGE AND RATIONALITY
D1. ENGLISH COMPOSITION (Select 3 units)
English 1A (met by writing competency)
D2. COMMUNICATION AND ANALYTICAL THINKING
(Select 3 units)
Business Computer Applications 15R
Computer Science 10L
English 1C
General Business 56
Mathematics 1A, 7, 9, 20, 21, 52
Philosophy 12
Psychology 8
Sociology 3, 8
Speech 1, 3, 6, 7, 8, 15
Statistics 1

AREA E. ELECTIVES (Select at least 3 additional units)
1. A second course from any Area above;
2. OR Documentation of active military service (may also be used to meet Requirement 4 (Health/P.E.); OR
3. Course(s) listed below:
Accounting 1L, 10A
Administration of Justice 10, 19, 30
Counseling 10, 25
English 20LR
Environmental Horticulture 20
Family and Consumer Science 10,11
General Business 10, 25
Health 1, 13
Human Services 11
Mass Communications 20LR
Physical Education 1. course

REQUIREMENT 3: All students must complete the designated degree major courses with a grade of "C" or better. Majors are listed in the section headed "Certificate/Degree Programs" and in the Course Descriptions section of the catalog.

REQUIREMENT 4: All students are required to successfully complete either: Health 1, Health 4, Health 13, or Family and Consumer Science 11 OR two Physical Education activity courses one of which must be selected from the following:

Physical Education 1.21, 1.26, 1.27, 1.28, 1.36, 1.59.

Note: Students who will be completing degrees in the Allied Health areas (Nursing, Psychiatric Technology, Radiologic Technology, or Veterinary Technology), and students who submit documentation of active military

WCC has established institutional graduation requirements. Currently, these are the Health/PE and Multicultural graduation requirements. The courses used to satisfy these requirements must be listed on the specific Multicultural and Health/PE sections of the approved graduation requirements checklist at the time the courses are taken. These requirements are not based on catalog rights service are exempted from this requirement.

REQUIREMENT 5: All students are required to fulfill the Multicultural Graduation Requirement (MGR) by completing three or more units from the following courses or the programs listed below:

Administration of Justice 19; Anthropology 2; Art 1A, 5; Asian-American 14; ECE 27; Education 1; English 30B, 36, 37, 38; Ethnic 6, History 5A, 5B, ~~6,~~ 7, 14; Human Services 11; Humanities 5, 12, 16; Music 12, 16; Native American 7; Philosophy 1, 3, 20; Sociology 5; Spanish 20A, 20B; Speech 8.

Completion of the following programs also fulfills the requirement:

Associate Degree Nursing; Psychiatric Technician; and Radiologic Technology.

REQUIREMENT 6: All students are required to complete a minimum of 60 semester units in lower division associate degree level courses with at least a 2.0 ("C") grade point average. The grade point average that is calculated for associate degree purposes only counts units and grade points earned in associate degree level classes. Non-associate degree credit courses (numbered 100-199 and 200-299) completed fall 1989 and thereafter will not count toward the associate degree. For courses completed between July 1,1983, and July 30, 1989, a maximum of 6 semester units of courses numbered 100-199 may be counted toward this requirement. All courses numbered 200-299 completed prior to fall 1989 may be counted toward this requirement.

REQUIREMENT 7: All students are required to complete a minimum of 12 semester units with at least a 2.0 ("C") grade point average in associate degree level classes at Woodland Community College.

~~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 Woodland Community College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to wcc.yccd.edu. 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.~~

IDENTIFICATION OF UC AND CSU COURSE TRANSFER STATUS. The status of a transfer course is indicated next to the course title in the "Course Descriptions" section of this Catalog. If the course is transferable, the designator "Transfer Status:" appears. "Transfer Status: CSU" indicates that the course credit transfers to all of the California State Universities (for at least elective credit). "Transfer Status: CSU; UC" indicates that the course credit transfers to all of the California State Universities and all of the University of California campuses (for at least elective credit). If the designator "unit limitation" appears (i.e., Transfer Status: CSU; UC unit limitation), the transferability of the units to the University of California are limited in some way when combined with other courses in the discipline. (NOTE: Subject to change without notification.) Check with a counselor for current information.

TRANSFER TO INDEPENDENT COLLEGES AND UNIVERSITIES. Admission requirements to independent colleges and universities vary. Course transferability and course credit allowed at independent college and universities also vary. Students should consult the transfer school catalog for specific requirements and transferability, or make an appointment with a WCC counselor to clarify admission standards.

ADVANCED STANDING SELECTION CRITERIA TO THE UNIVERSITY OF CALIFORNIA. The University makes every effort to provide a place on one of its campuses for all applicants who meet the minimum admission requirements and file an application during the appropriate filing period. In recent years, the number of applicants for some campuses and some majors has far exceeded the number of spaces available. When a campus cannot accept all eligible applicants, it uses standards that are more demanding than the minimum requirements to select students. These criteria are listed below.

Academic Criteria:

1. Completion of a specified pattern or number of courses that meet general education or breadth requirements.
2. Completion of a specified pattern or number of courses that provide continuity with upper division courses in the major..
3. GPA in all transferable courses.

Some colleges may also consider supplemental criteria, such as:

1. Special talents, interests, or experiences — beyond those indicated by the academic criteria — that demonstrate unusual promise of leadership, achievement, and service in a particular field such as civic life or the arts.
2. Special circumstances that have adversely affected the applicant's life experiences. These circumstances may include, for example, disabilities, personal difficulties, low family income, refugee status, or veteran status.

CALIFORNIA STATE UNIVERSITY SYSTEM LOWER DIVISION REQUIREMENTS. California State University requirements vary slightly from campus to campus and from major to major. Students should consult both the catalog of the State University or campus of their choice and their counselor at WCC for requirements.

The California Education Code, Title 5, Section 40409 provides that up to 70 semester (105 quarter) units of credit, exclusive of any credit granted for military service, may be transferred from a community college to any State University campus. Students must be certain, however, to select courses at WCC appropriate in the major and to the State University campus which they have selected. When otherwise appropriately selected, all WCC courses numbered 1 through 49 are designed for transfer to the State University.

State law compels all State University campuses to require a minimum of 48 units of General Education; 39 units are usually completed in lower division and the remaining 9 units in upper division. See also the following pages.

Many four-year institutions require Multi-Cultural classes for graduation. Consult a WCC counselor for more information.

ADMISSION REQUIREMENTS TO THE CALIFORNIA STATE UNIVERSITY. Community college students may be admitted to the CSU system as either upper division or lower division transfers depending on space availability. Upper division transfers (students with 60 or more CSU transferable units) will always be given priority consideration for admission and eligibility will be based upon academic performance at the college level. Lower division transfers will only be admitted if space permits and eligibility was established at the high school level.

A considerable number of WCC students transfer to the California State University system. Admission representatives from local CSU campuses visit the Transfer Center on a regular basis. Check with the Center for more detailed information.

Woodland Community College
Intersegmental General Education Transfer Curriculum
2014- 2015 Counselor Advising Sheet

Student Name:_____ Student ID:_____

Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a community college to a campus in either the California State University or University of California system without need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements. NOTE: All courses must be completed with grades of "C" or better.

Circle courses taken at Woodland Community College, list courses taken at other colleges. Indicate name of test if requirement was met with Advanced Placement (AP).

Legend:	C Completed + Transfer credit is limited either by UC or CSU or both (consult with counselor) * Courses designated with an asterisk may be counted in only one area # Indicates both courses must be complete to meet the requirement IP In Progress R Remaining

	C	IP	R
AREA 1- ENGLISH COMMUNICATION (CSU- 3 Courses required, <u>one each</u> from Area A, B, and C) (UC- 2 Courses required, <u>one each</u> from Area A and B) 1A: English Composition (1 course, 3 semester units) English 1A Course:_____ College:_____ Advanced Placement_____			
1B: Critical Thinking-English Composition (1 course, 3 semester units) English 1B*, 1C (formerly English 41) Course:_____ College:_____ (No AP scores accepted for this area)			
1C: Oral Communication (1 course, 3 semester units) Speech 1, 3, 6, 7 Course:_____ College:_____ (No AP scores accepted for this area)			
AREA 2- MATHEMATICAL CONCEPTS and QUANTITATIVE REASONING (1 course, 3 semester units) Math 1A+, 1B, 1C, 2, 2A, 3, 9+, 20; Statistics 1 Course:_____ College:_____ Advanced Placement_____			
AREA 3-ARTS and HUMANITIES (At least 3 courses, with at least <u>one</u> course from the Arts and <u>one</u> course from the Humanities; 9 semester units) 3A: Arts Art 1A, 1B, 1C, 5; English 33, 34; Humanities 3, 5, 12, 15, 16, 33, 34; Music 3, 12, 15, 16; Theatre Arts 33, 34 Course:_____ College:_____ Advanced Placement_____ Course:_____ College:_____ Advanced Placement_____			
3B: Humanities English 1B*, 30B, 33, 36, 46B; Ethnic Studies 6*,7*, 15*; History 4A+, 4B+, 5A+*, 5B+*, 11, 17A+, 17B+, 29; Humanities 10, 11, 15, 33; Music 15; Philosophy 1, 2, 3, 6*, 20; Spanish 3+*, 20A+*, 20B+*; Theatre Arts 33 Course:_____ College:_____ Advanced Placement_____ Course:_____ College:_____ Advanced Placement_____			

Woodland Community College
Intersegmental General Education Transfer Curriculum
2014- 2015 Counselor Advising Sheet

	C	IP	R
AREA 4-SOCIAL AND BEHAVIORAL SCIENCES (At least 3 courses from at least 2 disciplines or an interdisciplinary sequence (9 semester units) Anthropology 2, Economics 1A, 1B; Early Childhood Education 3, 31; Ethnic Studies 1, 6*, 7*, 15*; History 5A+*, 5B*+; Philosophy 6*; Political Science 1; Psychology 8,12, 22, 31, 33, 41, 46; Sociology1,2, 3, 5, 6, 8, 10; Speech 8 Course:_____ College:_____ Advanced Placement_____ Course:_____ College:_____ Advanced Placement_____ Course:_____ College:_____ Advanced Placement_____			
AREA 5-PHYSICAL AND BIOLOGICAL SCIENCES (At least 2 courses, one Physical Science and one Biological Science course; at least one must include a laboratory; 7-9 semester units) 5A. Physical Science Astronomy 1L; Chemistry 1A+, 1B+, 2A+, 2B+, 10+, 18A, 18B; Geology ~~1,~~ 10+, 10L+, 11L, 12, 20; Physical Science 10A+, 10AL+, 10B+, 10C+; Physics 2A, 2B, 3A, 3B, 4A, 4B, 4C, 10L Course:_____ College:_____ Advanced Placement_____			
5B. Biological Science Agriculture 45L; Anthropology 1; Biology 1,2,3,4,5,6,10L+, 15+, 24, 25; Ecology 10, 12; Plant Science 20+, 20L+, 22L+ Course:_____ College:_____ Advanced Placement_____			
5C-Science Laboratory Astronomy 1L; Biology 1,2,3,4, 5, 6, 10L+, 15+; Chemistry 1A+, 1B+, 2A+, 2B+, 18A, 18B; Geology 10L+, 11L; Physics 3A, 3B, 4A, 4B, 4C, 10L; Physical Science 10AL, 10C; Plant Science 20L+, 22+, 22L+ Course:_____ College:_____ Advanced Placement_____			
AREA 6- LANGUAGES OTHER THAN ENGLISH (UC requirement only) Proficiency equivalent to two years of high school study in the same language. ▫ Completion of two years of high school study in the same language with a grade of "C-" or better in each course. ▫ Satisfactory completion, with a grade of "C" or better, of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English. ▫ Satisfactory score on the SAT II: Subject Test in Languages other than English. ▫ Satisfactory score, 3 or higher, on the College Board Advanced Placement examinations in languages other than English. ▫ Satisfactory score, 5 or higher, on the International Baccalaureate Higher Level examinations in languages other than English. ▫ Satisfactory completion of a course (or courses) at the college or university with a grade of "C" or better in each course: Sign 1, 2, 3; Spanish 1+, 2+, 3+*, 20A-+*, 20B+* Course:_____ College:_____ Examination_____			
CSU Graduation Requirement in U.S. History, Constitution, and American Ideals (6 units, one course from Group 1 and one course from Group 2 or two courses from Group 3) Group 1: Ethnic Studies 15; History 17A, 17B Group 2: Political Science 1 Group 3: History 17A and 17B; Political Science 1 and History 17A or 17B Course:_____ College:_____ Course:_____ College:_____ ***Note: Not part of IGETC; may be completed prior to transfer. Courses used to meet this requirement may not be used to satisfy requirements for IGETC.***			

Woodland Community College
California State University- General Education Breadth Requirements
2014- 2015 Counselor Advising Sheet

Student Name:_____ Student ID:_____

Circle courses taken at Woodland Community College, list courses in column (courses may be counted only once).

AREA A- ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING **9 semester or 12-15 quarter units required with at least one course each from A1, A2, and A3**	Required	Fulfilled	Need
A1-Oral Communication Speech 1,3,6,7	3		
A2-Written Communication English 1A	3		
A3-Critical Thinking English 1B, 1C; Philosophy 12; Speech 3	3		
AREA B- SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING **9 semester or 12-15 quarter units required with at least one course each from Physical Science, Life Science (at least one to contain a laboratory component) and Mathematics/Quantitative Reasoning**			
B1-Physical Science Astronomy 1L; Chemistry 1A, 1B, 2A, 2B, 10, 18A, 18B; Ecology 10, 12; Geography 1; Geology ~~1,~~ 10, 10L, 11L, 12, 20; Physics 2A, 2B, 3A, 3B, 4A, 4B, 4C, 10L; Physical Science 10A, 10AL, 10B, 10C	3-4		
B2-Life Science Agriculture 45, 45L; Anthropology 1; Biology 1,2,3,4, 5,6,10L, 12, 15, 24, 25; Ecology 10, 12; Plant Science 20, 20L, 22, 22L	3-4		
B3-Laboratory Activity Agriculture 45L; Astronomy 1; Biology 1, 2,3,4,5,6,10L, 15; Chemistry 1A, 1B, 2A, 2B, 18A, 18B; Geology 10L, 11L; Physics 3A, 3B, 4A, 4B, 4C, 10L; Physical Science 10AL; Plant Science 20L, 22L			
B4-Mathematics/Quantitative Reasoning Math 1A, 1B, 1C, 2, 2A, 3, 9, 20, 21; Statistics 1	3-5		
AREA C- ARTS AND HUMANITIES **9 semester or 12-15 quarter units required with at least one course each in Arts and Humanities**			
C1-Arts Art 1A, 1B, 1C, 5; English 2, 33, 34; Humanities 3, 5, 10, 11,12, 15, 16, 33, 34; Music 3, 12, 15, 16; Speech 2, Theatre Arts 33, 34	3-6		
C2-Humanities Early Childhood Education 39; English 1B, 2, 30B, 36, 37, 46B; Ethnic Studies 6, 7, 14, 15; History 4A, 4B, 5A, 5B, 6, 7, 8, 11, 17A, 17B, 29; Humanities 10, 11, 12; Philosophy 1,2,3,6,20; Spanish 1,2,3,10, 20A, 20B; Speech 2	3-6		
AREA D- SOCIAL SCIENCES **9 semester or 12-15 quarter units required with courses in at least 2 disciplines**			
D0- Sociology and Criminology Administration of Justice 1, 10; Sociology 1,2,3,10			
D1- Anthropology and Archeology Anthropology 2			
D2- Economics Economics 1, 2			
D3-Ethinic Studies Ethnic Studies 1, 6, 7, 11, 14, 15; Sociology 5			
D4-Gender Studies History 29; Psychology 31; Sociology 6, 10			
D6- History Ethnic Studies 7, 14, 15; History 4A, 4B, 5A, 5B, 8, 11, 17A, 17B, 29			
D7- Interdisciplinary Social or Behavioral Science Early Childhood Education 3, 31; Mass Communication 2; Psychology 46; Sociology 8; Speech 8			
D8- Political Science, Government and Legal Institutions Philosophy 6; Political Science 1;			
D9- Psychology Psychology 1A, 1B, 12, 22, 31, 33, 41, 46			
AREA E- LIFELONG LEARNING AND SELF-DEVELOPMENT **3 semester or 4-5 quarter units, not all in physical activity**			
E-Lifelong Learning and Self-Development Counseling 10, 25; Early Childhood Education 3, 5; General Business 25, Health 1, 10; Nutrition 10; Physical Education 1.21, 1.26, 1.27, 1.36, 5; Psychology 1A, 12, 31, 33, 41, 46	3		

This pattern is designed to satisfy the 39 units of lower division G.E. requirement to any of the CSU campus. A minimum of 48 semester units in General Education (G.E.) is required for BA/BS degree, 9 semester units must at the upper division level. G. E. units in excess of 39 completed at YCCD campuses may transfer as lower division major and/or elective (70 C.C. units maximum). CSU campuses may have additional lower division graduation requirements outside of G.E. **See a Woodland Community College Counselor for additional General Education and major requirements for individual campuses.**

Administration of Justice

Contact: Dean of Instruction Phone:
(530) 661-5714
Counseling: (530) 661-5703

Degrees Offered: A.S. - Law Enforcement, Corrections, A.S.-T Administrative Justice

The Administration of Justice Program at Woodland Community College prepares students for academic success. Students involved in this program are prepared for successful transfer and academic success within CSU and UC academia. Individuals are provided a comprehensive overview of the justice system and shown the versatility available within the career field. Students are coached and mentored in the development of a strategic plan that identifies the necessary steps to achieving their career goals.

Student Learning Outcomes

- Effectively use language and non-verbal communication consistent with and appropriate for application in the Criminal Justice System through classroom discussion, exercises and written assignments.
- Evaluate and analyze information when addressing issues within the criminal justice system, draw reasonable conclusions that encompass criminal law, social expectation and ethical standards through classroom discussion exercises and written assignments.
- Demonstrate respect and acceptance for differing opinions, feelings and, values of others through the development of listening skills that promote ethical and equitable application of Criminal Law through classroom discussion, exercises and written assignments.

LAW ENFORCEMENT
(Associate in Science)

Required Courses	**Units**
AJ 10 Introduction to Law Enforcement	3
AJ 11 Criminal Law	3
AJ 13 Evidence	3
AJ 14 Criminal Justice Process	3
AJ 15 Criminal Investigation	3
AJ 19 Multicultural Communities/Justice System	3
Total units required for degree major	**18**

Additional Recommended Courses:

AJ 20 Juvenile Law and Procedures	3
AJ 21 Narcotics and Drugs	3
AJ 30 Introduction to Corrections	3

CORRECTIONS
(Associate in Science)

Required Courses	**Units**
AJ 11 Criminal Law	3
AJ 20 Juvenile Law/Procedures	3
AJ 30 Introduction to Corrections	3
AJ 31 Criminal and Delinquent Behavior	3
AJ 33 Introduction to Correctional Counseling	3
AJ 34 Correctional Treatment Programs	3

Plus three additional units from courses listed below:

AJ 10 Introduction to Law Enforcement	3
AJ 14 Criminal Justice Process	3
AJ 19 Multicultural Communities/Justice System	3
AJ 21 Narcotics and Drugs	3
HUSEV 10 Introduction to Human Services	3
Psychology/Sociology electives	3
Total units required for degree major	**21**

ADMINISTRATION OF JUSTICE
(Associate in Science for Transfer Degree)

The Associate in Science in Administration of Justice for Transfer (AS-T) degree prepares students for upper division coursework for a bachelor's degree in criminal justice. By design of curriculum, students will be able to describe the individual functions and components of the modern criminal justice system; use introductory concepts of legal research to locate, and discuss the content of statutory and case law; analyze criminology factors that contribute to the cause of criminal behavior, reoccurrence of recidivism, and strategies and practices established for the control of crime. In addition, this program encompasses ethical practices, standards and expectations within the entire criminal justice system.

Proper selection of curriculum electives further allows students to study other academic disciplines, such as chemistry or biology, psychology, sociology, public administration and computer science. For example if you have an interest in forensic anthropology, you may choose chemistry or biology as important electives to consider.

Students are encouraged to review program requirements specific to the CSU or UC educational institution they are planning to attend.

According to SB1440, section 66746, students seeking an AS-T degree are required to complete a minimum of 18 semester units in the major, must fulfill CSU GE-Breadth or IGETC requirements, complete 60 units of CSU transferable coursework, and complete all degree-applicable courses with a C or better.

Required Courses	**Units**
AJ 10 Introduction to Criminal Justice System	3
AJ 11 Criminal Law	3
Area A - Select 6 units from the following courses below:	
AJ 14 Criminal Justice Process	3
AJ 13 Evidence	3
AJ 15 Criminal Investigation	3
AJ 19 Multicultural Communities and the Justice System	3
Area B - Select at least 6-7 additional units from the following courses, OR any CSU transferable Administration of Justice lower division course or courses outside the Administration of Justice discipline that are articulated as lower division major preparation for the Criminal Justice or Criminology Major at any CSU.	
AJ 1 Ethics in the Criminal Justice System	3
SOCIL 1 Introduction to Sociology	3
PSYCH 1A General Psychology	3
STAT 1 Introduction to Statistical Methods	4
Required Subtotal for major	**18-19**
Total units that can be double counted	**6-9**
CSU General Education or IGETC Pattern	**37-39**
Additional transferable elective units (if needed)	**8-13**
Degree total	**60**

AJ 1 Ethics in the Criminal Justice System 3 units
Lecture: 54 hrs CSU/UC
Examination of the types and history of ethical theories and development of moral and ethical behavior for criminal justice practitioners. Students learn how to analyze an ethical dilemma and apply this process to contemporary law enforcement issues.

AJ 10 Introduction to Law Enforcement 3 units
Lecture: 54 hrs CSU/UC
C-ID: AJ 110
Overview of the history and philosophy of the U.S. Justice System; study of the modern criminal justice system and its components, law enforcement, courts and corrections; identifying the roles of the various professionals within the system and their interrelationships; analysis of legal issues; study of theories of crime causation, punishment, and rehabilitation. (L)

AJ 11 Criminal Law 3 units
Lecture: 54 hrs CSU/UC
C-ID: AJ 120
History, philosophy, and constitutional provisions of criminal law; study of penal code statutes and other statutory and case law applicable to law enforcement, including exploration of crimes against persons and property, public peace, narcotics, and dangerous weapons. (L)

AJ 13 Evidence 3 units
Lecture: 54 hrs CSU
C-ID: AJ 124
Origin, development, and philosophy of evidence; the study of both codified evidentiary law and applicable court decisions. Specific topics include, types of evidence, the judicial process, the admission and exclusion of evidence, legal standards of proof, direct and circumstantial evidence, testimonial evidence and witness competency, the hearsay rule and its exceptions, demonstrative evidence, judicial notice, and issues relating to search and seizure. (L)

AJ 14 Criminal Justice Process 3 units
Lecture: 54 hrs CSU
C-ID: AJ 122
Legal processes from pre-arrest, arrest through trial, sentencing, and correction procedures; a review of the history of case and common law; conceptual interpretations of law as reflected in court decisions; a study of case law methodology and case research as the decisions impact upon the procedures of the justice system. (L)

AJ 15 Criminal Investigation 3 units
Lecture: 54 hrs CSU
C-ID: AJ 140
Addresses procedures and concepts as applied to criminal investigations, including surveillance; crime scene response management; and identification, collection, and processing of physical evidence. Covers U.S. Constitution and Statutory/Case Law; interview/interrogation processes and techniques; identifying information sources; procuring search warrants; serving search warrants; exceptions to the search warrant rule, and court processes. Emphasis is placed on developing the student's capacity to analyze specific situations and identify sound ethical investigative procedures. (L)

AJ 16 Police Operations 3 units
Lecture: 54 hrs CSU
Philosophy, functions, organization, duties, and analysis of police operational functions, including public service responsibilities and special police problems. (L)

AJ 19 Multicultural Communities and the Justice System 3 units
Lecture: 54 hrs CSU/UC
C-ID: AJ 160
Examines the complex relationship between multicultural communities and the criminal justice system, analyzing cultural differences and strategies to effectively address crime related issues. Addresses potential societal barriers involving race, ethnicity, gender, religion, sexual orientation, age social class, culture and evolution of the law enforcement profession in understanding how relationships are developed, maintained and changed to meet ethnic and minority group needs. Additional topics include multicultural representation Law Enforcement, Cross-Cultural Communication, Community Policing, and restorative justice principles. (L)

AJ 20 Juvenile Law and Procedures 3 units
Lecture: 54 hrs CSU
Organization, function and jurisdiction of juvenile agencies; processing and detention of juveniles; juvenile case disposition; legal statutes, and court procedures. (L)

AJ 21 Narcotics and Drugs 3 units
Analysis of narcotics and drugs, physical effects of addiction, and sociological problems of drug abuse. (L)

AJ 30 Introduction to Corrections 3 units
Lecture: 54 hrs CSU
History, philosophy, and overview of corrections including probation, parole, and correctional institutions. (L)

AJ 31 Criminal and Delinquent Behavior 3 units
Lecture: 54 hrs CSU
A study of the causes of crime and delinquency by analyzing various social, psychological, and cultural factors. (L)

AJ 33 Introduction to Correctional Counseling 3 units
Lecture: 54 hrs CSU
History, objectives, and theories of counseling relevant to corrections; common methods, techniques, and interventions of counseling; understanding the client as a person. A basic course for students planning to enter or are already employed in the Corrections field. (L)

AJ 34 Correctional Treatment Programs 3 units
Lecture: 54 hrs CSU
The study of correctional treatment programs concerning juveniles and adults, in both the casework setting and in a custody institution. (L)

AJ 54A Peace Officer Orientation 1.5 units
Lecture: 33 hrs; Lab: 7 hrs
832 PC; Laws of Arrest, search and seizure, communications, arrest and control techniques. Meets Peace Officer Standards and Training (POST) and Standards and Training for Corrections Program (STC). Recommended for students taking the correctional officer core course. (L)

AG 6 Agricultural Sales and Communications 3 units
Lecture: 54 hrs CSU
The study of principles and practices of the selling process: selling strategies and approaches, why and how people buy, prospecting, territory management, and customer service. Self-management, communication, and interpersonal skills necessary in developing managerial abilities, leadership qualities, and facilitating teamwork within the agribusiness sector will be explored. Students will gain experience through role-play, formal sales presentations, and job shadowing. The course content is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day basis. (L,M)

AG 11 Agricultural Accounting 3 units
Lecture: 54 hrs CSU
Basic principles of accounting as applied to agricultural business and farm operations. The class will develop the skills needed to create a general ledger, develop and analyze a balance sheet, and understand a profit-and-loss statement. Standard account procedures ate covered with emphasis on both hand and computer applications. (L,M)

AG 12 Computers in Agriculture 3 units
Lecture: 36 hrs Lab: 54 hrs CSU
Computer use in the workplace with emphasis on agricultural applications. Computer applications including word-processing, spreadsheets, databases, and presentation managers will be covered. Also included will be assessing information using the Internet and World Wide Web, telecommunications and introduction to web page design and other software appropriate to agribusiness. (L,C)

AG 13 Marketing 3 units
Lecture: 54 hrs CSU
Principles and applications of marketing applied to entrepreneurial ventures including concepts, methods, tactics, and strategies. Traditional methods of marketing as well as marketing on the Internet will be included. Students will develop a marketing plan for a business of their choice. (L)

AG 14 Entrepreneurship 3 units
Lecture: 54 hrs CSU
Principles of establishing and managing a small business, including the preparation of a business plan; emphasis on goal-setting, types of business organizations, obtaining licenses and permits, financing options, accounting aspects, legal requirements, managing the enterprise, and other aspects in business entrepreneurship. Not open for credit for students enrolled in MGMT 14. (L,M)

AG 15 Introduction to Agriculture Education and Careers 1 unit
Lecture: 18 hrs CSU
Introduction to educational and agricultural employment opportunities. Includes portfolio and educational plan development and curriculum requirements that pertain to educational goals as they relate to agriculture majors. Assists students in setting goals and developing skills necessary for life-long success in obtaining, maintaining, and advancing in agriculture careers. Current events that impact agriculture and society will be discussed.

AG 19R Agricultural Leadership 1 unit
Lab: 54 hrs CSU
Covers parliamentary procedures, planning, and implementation of organizations, problems and techniques of group dynamics, participation in community and competitive agricultural events. Recommended for agricultural club members and officers; open to all students interested in professional development. Grades are P/NP. (L) (Repeatable: May be taken four times only.)

AG 32 Internship v1-4 units
Lab: 300 hrs CSU
On-the-job training that coordinates individual career goals with placement at the job site. A maximum of 4 semester units may be earned. Students enrolling in this class are not eligible for work experience classes or other internship classes during the same semester. (Students receive credit for on-the-job work-volunteer 60 hour/unit, paid 75 hours /unit.)
Grades are P/NP.

AG 44 Horse Production 3 units
Lecture: 54 hrs CSU
An overview of the principles of horse production, including anatomy, physiology, reproduction, nutrition, health, breeds and breeding, as well as basic horse vaccination and disease prevention. (L,M)

AG 45 Principles of Animal Science 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
Overview of the principles of animal science and the interrelationships of domestic animals and humankind. This course will investigate animal anatomy, physiology, reproduction, nutrition, health, products and by-products, as well as behavior and genetic potential and productivity will be addressed. Experimental design and reporting, animal dissections, basic animal handling and husbandry practices, recognition of animal health, and use of biotechnology in animal science. Not open for credit to student with credit in AG 45L. (L)

AG 45L Principles of Animal Science 4 units
Lecture: 54 hrs; Lab: 54 hrs CSU/UC UC-Unit Limit
An overview of the principles of animal science and the interrelationships of domestic animals and mankind. This course will investigate animal anatomy, physiology, reproduction, nutrition, health, products and by-products, as well as behavior and genetics from a scientific perspective. Current topics on influence of humans on genetic potential and productivity will be addressed. Experimental design and reporting, animal dissections, basic animal handling and husbandry practices, recognition of animal health, and use of biotechnology in animal science will also be addressed. Not open for credit to student with credit in AG 45. (L)

AG 46 Animal Feeds and Nutrition 3 units
Lecture: 54 hrs CSU
Introduction to the feeds and nutrition of farm animals. This course will study digestive anatomy and physiology, composition and selection of feeds, characteristics of nutrients, principles of nutrition, nutrient requirements of ruminant and non-ruminant animals, and formulation of diets to meet these requirements. (L,M)

1. ART – Ceramics (TOP 1002.30)
   ART 12A – Ceramics
   ART 12B – Ceramics
   ART 42A – Individual Problems in Ceramics: Beginning

2. ART – Sculpture (TOP 1002.20)
   ART 14A – Sculpture
   ART 14B – Intermediate Sculpture
   ART 46A – Individual Problems in Sculpture: Beginning

ART 1A History of Art 3 units
Lecture: 54 hrs CSU/UC
Survey of Art history; painting, sculpture, and architecture. Art from the Paleolithic period through the Early Christian World, including preliterate art and Pre-Columbian art. (L)

ART 1B History of Art 3 units
Lecture: 54 hrs CSU/UC
Survey of European Art history, painting, sculpture and architecture from the Middle Ages to the Baroque period. (L)

ART 1C History of Art 3 units
Lecture: 54 hrs CSU/UC
Survey of Art history: painting, sculpture, photography, and architecture, including a survey of American art; the 19th through the 20th Century. Not open to students with credit in ART 10. (L)

ART 4A Drawing and Composition 1-3 units
Lecture: 9 hrs-27 hrs; Lab: 27 hrs-81 hrs CSU/UC
Drawing and composition using various materials; basic instruction in perspective, landscape, still life, and other subjects. (L)

ART 4B Drawing and Composition 1-2 units
Lecture: 9 hrs-18 hrs; Lab Hours: 27 hrs-54 hrs CSU/UC
Drawing and Composition using various materials. Basic instruction in figure drawing and architectural studies. Prerequisite: ART 4A.

ART 5 Art Appreciation 3 units
Lecture: 54 hrs CSU/UC
Introduction to art appreciation with an emphasis on basic 2D, 3D and film mediums and their relationships to humanities. Historical and contemporary work with a multicultural focus will be emphasized. Not open for credit to students with credit in Humanities 5. (L)

ART 6A Beginning Basic Design 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Elements and principles of design as they relate to all forms of art, including two-dimensional works. (L)

ART 6B Intermediate Basic Design 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Elements and principles of design as they relate to two and three-dimensional problems. Pre-requisite: ART 6A. (L)

ART 7A Creative Materials 3 units
Lecture: 45 hrs; Lab: 27 hrs CSU
Creative activities for young children (2-8 years old), including the planning and implementation of painting, drawing, print making, weaving, stitchery, batik, collage, sculpture, puppet-making, and modeling materials. Not open for credit to students with credit in ECE 7A. (L)

ART 7B Worldwide Arts for Children 3 units
Lecture: 45 hrs; Lab: 27 hrs CSU
Multicultural/ethnic art activities for young children, including planning and integrating projects across the curriculum. Construction of age-appropriate art objects representative of cultures and regions in West Africa, the Middle East, Europe, Asia, Mexico, Central America, South America, Caribbean Islands, the United States, and Canada. Not open for credit to student with credit in Art 23 or ECE 7B. (L)

ART 9A Beginning Painting 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Introduction to the principles, elements, and practices of painting. Focus on painting materials, perceptual skills and color theory, paint mixing and technique, as well as creative response to materials and subject matter. (L)

ART 9B Intermediate Painting 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Continued exploration of painting media and techniques. Emphasis on painting from life. Pre-requisite: ART 9A. (L)

ART 11 Mural Painting 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Studio course focused on the actual creation of a large mural. Students will design the composition, prepare the wall and produce the mural. (L)

ART 12A Beginning Ceramics 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Basic studio techniques and processes in hand building and use of the Potter wheel, for creative and artistic expression using clay. (L)

ART 12B Intermediate Ceramics 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC UC-Unit Limit
Intermediate techniques and processes; creative and artistic expression through the use of clay and glazes. Pre-requisite: ART 12A (L)

ART 14A Sculpture 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Introductory course in sculpture; using and exploring the media of clay, plaster, wood and armature building. (L)

ART 14B Intermediate Sculpture 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Further study of three-dimensional form and use of materials such as clay, plaster, wood, metal, and armature building. Prerequisite: ART 14A.

ART 15A Printmaking 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Practice of printmaking, relief, stencil, and intaglio processes. To explore the visual and expressive potential of the fine art print. (L)

ART 15B Printmaking 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Practice of printmaking, relief, stencil, and intaglio processes. To explore the visual and expressive potential of the fine print, working at an intermediate skill level. Pre-requisite: ART 15A. (L)

ART 19A Introduction to Commercial Art 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU
Basic concepts of commercial art and its uses, stressing layout design, lettering, and simple illustration. Special attention to studio problems from idea to production. (L)

ART 25 Multimedia Design & Writing 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU
Principles and practice of designing and writing multimedia projects including newsletters, booklets, academic documents, presentations, reports, flyers, press releases, posters, and web pages. Emphasis on applying art theory and effective writing techniques to individual and group projects. (L)

ART 36A Digital Photography 3 units
Lecture: 36 hrs; Lab: 54 hrs CSU
Introduction to digital photography. Exposure control, file formats, archiving. Basic image editing/manipulation. Knowledge of basic computer operation is highly recommended. Prerequisite: ART 31R or MCOMM 11R, or consent of instructor.

ART 37 Basic Photography-Digital Format 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU
An introduction to digital photography: camera use, types of cameras, and photo enhancement with Adobe programs. (L)

ART 41A Individual Problems in Painting: Beginning 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Advanced painting in which student approach individual painting problems in consultation with instructor. Prerequisite: ART 9A and 9B. (L)

ART 42A Individual Problems in Ceramics: Beginning 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Advanced techniques and processes for creative expression in Ceramics. Pre-requisite: ART 12A and 12B. (L)

ART 44 Individual Problems in Drawing 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Development of a personal drawing style at an advanced level, working in series with the goal of a coherent group of works. Prerequisite: ART 4B. (L)

ART 46A Individual Problems in Sculpture: Beginning 3 units
Lecture: 27 hrs; Lab: 81 hrs CSU/UC
Advanced techniques and processes; creative and personal expression in three-dimensional form. Prerequisite: ART 14A and 14B

Astronomy

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes
- Mathematical calculations in Astronomy Problem Solving
- Learning how to think and reason scientifically to solve real life problems
- Awareness of the Scientific Method as it relates to Astronomy

ASTRO 1L Introduction to Astronomy with Lab 4 units
Lecture: 54 hrs; Lab: 54 hrs CSU/UC
Survey of the solar system, stars, galaxies; history and tools of astronomy, cosmology, and exploration of space. Laboratory covers the study and interpretation of astronomical observations through the use of prepared astronomy exercises, the use of telescopes or computer simulations of telescopes, naked eye observation of celestial bodies, and laboratory activities using various quantitative measuring devices. Not open for credit to student with credit in ASTRO 1. (L,M)

Biology

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes
- Identify and apply the steps of the scientific method in order to design and conduct laboratory or field experiments, collect and analyze results, and solve problems in the biological sciences.
- Identify and apply the central concepts, hypotheses, and theories that comprise the major areas of the biological sciences, including cell and organism structure and function, evolution, and ecology.
- Communicate biological information in oral and/or written form (scientific lab reports, oral presentations, posters, research proposals, etc.), using appropriate oral and written presentation formats, proper scientific terminology, and appropriate use and evaluation of primary literature and/or news media reports.

BIOL 1 Principles of Biology 5 units
Lecture: 54 hrs; Lab: 108 hrs CSU/UC
An introduction to biology for majors that emphasizes the molecular, cellular, and environmental processes that are common to most organisms. Topics include an introduction to biomolecules, cell structure, reproduction, enzymes, fermentation, respiration, photosynthesis, molecular genetics, heredity, and evolution. Background in high school biology or chemistry is recommended. Prerequisite: MATH 52. (L,C)

BIOL 2 General Zoology 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU/UC
Applies the concepts introduced in Biology 1 to the study of animals and evolution. Animal topics include: patterns of diversity and classification, anatomy and physiology, development and significance of sexual reproduction. Evolution topics include speciation, macro and microevolution, adaptation to environmental and social challenges, and natural selection. Designed for biology majors and related fields, but open to all qualified students. Prerequisite: BIOL 1 or BIOL 15 AND MATH 52. (L)

BIOL 3 General Botany 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU/UC
Applies the concepts introduced in Biology 1 to the study of plants and general ecology. Topics include morphology, physiology, systematics, and evolutionary trends among cyanobacteria, algae, fungi, and plants. Population, community, and ecosystems dynamics of higher plants will be emphasized. Designed primarily for biology majors and related fields but open to all qualified students. Prerequisite: BIOL 1 or BIOL 15 AND MATH 52. (L)

BIOL 4 Human Anatomy 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU/UC
An introduction to the gross and microscopic structure of the human body with an emphasis on the anatomy and the interrelationship between structure and function of the tissues, organs and organ systems. Prerequisite: BIOL 1 or 15. (L)

BIOL 5 Human Physiology 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU/UC
Introduction to the physiological mechanisms of the human body that lead to homeostasis. Emphasis on the interrelationship of the cells, tissues, organs, and systems. Prerequisite: BIOL 1 or 15. (L)

BIOL 6 Introductory Microbiology 4 units
Lecture: 36 hrs; Lab: 108 hrs CSU/UC
History, structure, metabolism, genetics, and ecology of microscopic life forms; their relationship to disease, immunology, agriculture, and industry. Laboratory emphasizes the development of techniques for the detection, isolation, and identification of both harmless and pathogenic species. Prerequisite: BIOL 1 or 15. (L)

BIOL 10L General Biology 4 units
Lecture: 54 hrs; Lab: 54 hrs CSU/UC UC-Unit Limit
The science of life for non-science majors. Provides an overview of the world of living organisms including their classification and unifying characteristics. Introduces basic biological processes such as homeostasis, photosynthesis, cellular respiration, DNA function, cellular reproduction, evolution, and ecosystem interactions with an emphasis on the relationship of structure to function and the interrelationships of living organisms. Lab and lectures. Not open for credit to student with credit in BIOL 10. (L)

BIOL 12 Marine Biology 3 units
Lecture: 54 hrs CSU/UC
Introduction to the biology and natural history of marine organisms. Basic scientific principles, classification, ecology, behavior, and evolution of marine organisms are explored in relation to their environment. The impact of human populations on marine ecosystems and ocean resources is also addressed. Not open for credit to student with credit in ECOL 12. (L,M)

BIOL 15 Bioscience 4 units
Lecture: 54 hrs; Lab: 54 hrs CSU/UC UC-Unit Limit
Introduction to the unifying principles of biology including the chemistry of life, cell structure and function, energy, genetics, evolution, and organismal structure. (L)

BIOL 24 Human Biology 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
Introduction to general biology of human beings. Emphasis is placed on the concepts, mechanisms and terminology used in anatomy, physiology, and ecology. Topics include cell structure and function, human evolution, anatomy and physiology of the organ systems, genetics, and the human impact on the environment. (L)

BIOL 25 Human Genetics 3 units
Lecture: 54 hrs CSU/UC
Designed for non-science majors to provide an understanding of basic principles of genetics, current developments in genetics, and the influence of genes and the environment in determining human characteristics. (L,M)

BIOL 30 Emerging Infections and the History of Infectious Disease 3 units
Lecture: 54 hrs CSU/UC
Designed for non-science majors. This course examines current biological threats to societies including emerging and re-emerging diseases (such as AIDS and avian flu) and the release of infectious bio-agents either by terrorists or military organizations, We will also discuss these threats in a historical context by reviewing diseases that have had significant effects on human societies (such as smallpox and polio). The biology of infectious disease and treatment will be covered.

BUSINESS ADMINISTRATION
(Associate in Science for Transfer Degree)

The Associate in Science in Business Administration for Transfer degree prepares students to transfer to a CSU institution by completing required major preparatory coursework in Business Administration. Students choose from required mandated Core courses (15-18 units) in Accounting, Economics, or Business Law; List A courses (3-4 units) in specific mathematics courses; and List B (6 units) in Business-related courses. The breadth of these specific courses combined with General Education courses prepare students for upper division coursework in Business Administration at a CSU institution.

The Associate in Science in Business Administration for Transfer degree provides students with the opportunity to complete their freshman/sophomore level classes needed for a Bachelor's degree in ~~History~~ Business within the California State University System. The Associate in Science in Business Administration for Transfer requirements (as stated in SB1440 law) require students to also complete the following:

- A minimum of 18 semester in the major or area of emphasis as determined by the community college district.
- 60 semester CSU transferable units.
- California State University General Education-Breadth (CSU GE-Breadth) pattern of 39 units; OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern of 37 units.
- Obtainment of a minimum grade point average (GPA) of 2.0.
- Earn a grade of "C" or better in all courses required for the major or area of emphasis.

Required Courses	**Units**
ACCT 1 Principles of Accounting-Financial	4
ACCT 1A Principles of Accounting – Financial Lab	0.5
ACCT 2L Principles of Accounting – Managerial	5
BCA 15 Business Computer Applications	3
ECON 1B Elementary Economics-Micro Beginning	3
ECON 1A Elementary Economics-Macro	3
GNBUS 18A Business Law	3
List A: Choose 4 Units	
MATH 9 Calculus for Business, Social and Life Sciences	4
OR STAT 1 Introduction to Statistical Methods	4
List B: Choose 3 units	
GNBUS 10 Introduction to Global Business	3
OR GNBUS 21 Business Communications	3
OR SPECH 15 Business and Professional Communication	3
Total units required	**28.5**
Total units that can be double counted	**10**
CSU General Education or IGETC Pattern	**37-39**
Additional transferable elective units (if needed)	**2.5-4.5**
Degree total	**60**

ACCT 1 Principles of Accounting-Financial 4 units
Lecture: 72 hrs CSU/UC UC-Unit Limit
C-ID: ACCT 110
Study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. Includes issues relating to assist liability and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics.
Co-requisite: ACCT 1A and BCA 15 or 33A; Pre-requisite: ACCT 10A or qualifying score on Mathematics Placement Exam and BCA 15 or BCA 33A. (L,C,M)

ACCT 1A Principles of Accounting-Financial Lab 0.5 units
Lab: 27 hrs CSU/UC UC-Unit Limit
C-ID: ACCT 110
Laboratory to accompany Principles of Accounting-Financial (ACCT1). Students use the computer as a tool in solving accounting problems. Includes spreadsheets and computerized accounting system. Each student is required to have some typed of storage device to save their files on. Co-requisite: ACCT 1 (L,M)

ACCT 1L Principles of Accounting-Financial 4.5 units
Lecture: 72 hrs; Lab: 27 hrs CSU/UC UC-Unit Limit
~~Accounting for business activities, general ledger, special journals, accounts receivable, cash control, depreciation, inventories and other aspects. Includes computer applications for accounting partnerships and corporations. Pre- requisite: ACCT 10A with a grade of "C" or better or qualifying score on Mathematics part of placement exam; and BCA 15 and/or BCA 33A or equivalent. Not open for credit to student with credit in ACCT 1. (L,M)~~
Accounting for business activities, general ledger, special journals, accounts receivable, cash control, depreciation, inventories, and other aspects. Same as ACCT 1, but includes computer applications for accounting partnerships and corporations. Not open for credit to students with credit in ACCT 1. (L,M,C)

ACCT 2L Principles of Accounting-Managerial 5 units
~~Lecture: 72 hrs; Lab: 54 hrs CSU/UC~~
~~Emphasizes accounting principles and tools used by management in the decision-making process. Includes manufacturing accounting, budgetary techniques, cost flow procedures, financial statements, management reporting procedures and computer applications in accounting. Prerequisite: ACCT1 or 1L with a grade of "C" or better. Not open for credit to student with credit in ACCT 1. (L,M)~~
Emphasizes accounting principles and tools used by management in the decision-making process. Includes manufacturing accounting, budgetary techniques, cost flow procedures, financial statements, management reporting procedures and computer applications in accounting. Prerequisite: BCA 15 and ACCT 1 and ACCT 1A or ACCT 1L Not open for credit to students with credit in ACCT 2. (L,M)

ACCT 6 Individual Income Taxes-Federal/State 4 units
Lecture: 72 hrs CSU
Individual income tax preparation, forms, and computations; business and professional returns; federal and state returns. Meets State of California certification as a tax preparer. Recommendation: Completion of ACCT 10A or some experience will be helpful. (L,M)

ACCT 9 Business Payroll Procedures 3 units
Lecture: 48 hrs; Lab: 18 hrs CSU
Introduction to payroll terminology, procedures, calculations, record-keeping, timelines, percentages, limitations, and laws that relate to maintaining payroll for business firms in California; computerized payroll procedures will also be presented. Prior accounting knowledge is not necessary. (L,M)

ACCT 10A General Accounting 4 units
Lecture: 72 hrs CSU
Introductory accounting course covering accounting principles and practices, the complete accounting cycle, and creation of financial reports. Use of proper procedures in the General Journal, Special Journals, General Ledger and Subsidiary Ledgers. Includes payroll processes, and proper Financial Reporting. (L,M)

Business Computer Applications

Student Learning Outcomes
- The student will use multiple computer applications to solve business problems.
- The student will correctly use existing data and a broad range of computer application skills to solve unique functional area problems.
- The student will be able to correctly identify current trends of technology used in business applications.

BUSINESS COMPUTER APPLICATIONS
(Associate in Science)

Required Courses	**Units**
ACCT 3 Computerized Accounting	3
ACCT 10A General Accounting or ACCT 1L	4-4.5
BCA 15 Business Computer Applications - Beg.	3
BCA 17 Business Computer Applications-Advanced	3
BCA 37A Introduction to Access	1
BCA 37B Advanced Access	1
BCA 41B Windows XP	1
GNBUS 56 Business Mathematics	3
Total units required for degree major	**19-19.5**

Additional Recommended Courses

BCA 23 Microsoft Outlook	1
BCA 25 Desktop Publishing	2
BCA 42A Internet Literacy and Safety	3
GNBUS 10 Introduction to Global Business	3
OA 15C Advanced Keyboarding	3
OA 17A Word Processing I	3
OA 17B Word Processing II	3
OA 21 Business Communications	2
OA 52/GNBUS 52 Business English	3
OA 60 General Office Procedures	4

BUSINESS COMPUTER APPLICATIONS
(Certificate of Achievement)

Required Courses	**Units**
ACCT 3 Computerized Accounting	3
BCA 15 Business Computer Applications - Beg.	3
BCA 17 Business Computer Applications-Advanced	3
BCA 22B Advanced Microsoft Word	1
BCA 34 Advanced Excel	1
BCA 37A Introduction to Access	1
BCA 37B Advanced Access	1
BCA 41B Windows XP	1
OA 22 Machine Calculation	1.5

Plus at least 13 units from the following:

ACCT 10A General Accounting	4
BCA 23 Microsoft Outlook	1
BCA 25 Desktop Publishing	2
BCA 26 Microsoft PowerPoint	1
COMSC 10L Computer Literacy	3
GNBUS 10 Introduction to Global Business	3
GNBUS 56 Business Mathematics	3
Total units required	**28.5**

BCA 1 Business Information Systems 3 units
Lecture: 54 hrs CSU
Examination of information systems in business. Focus on information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components. Application of these concepts and methods through projects developing computer-based solutions to business problems. (L,C)

BCA 15 Business Computer Applications Beginning 3 units
Lecture: 36 hrs; Lab: 36 hrs CSU
Develop a beginning/intermediate level of skills using the Microsoft Office Professional Edition Program. Basic features of Word, Excel, Access and PowerPoint are covered along with how to create simple integrated office documents. No prior experience is required. (L,M)

BCA 17 Business Computer Applications Advanced 3 units
Lecture: 36 hrs; Lab: 36 hrs CSU
Develop an intermediate/advanced level of skills using the Microsoft Office Professional Edition Program. Advanced features of Word, Excel, Access and PowerPoint are covered along with how to use Object linking and Embedding (OLE) to create integrated Office documents. Prior experience using Windows, Internet, and the Office Suite is assumed. Student is required to have some type of storage device to save assignments. Prerequisite: BCA 15. (L,M)

BCA 22A Microsoft Word 1 1 unit
Lecture: 9 hrs; Lab: 18 hrs CSU
Overview of the basic features of Microsoft Word. Creating, editing, and saving documents/templates; file management; basic text, paragraph, page and document formatting; page numbering; headers, footers, footnotes, printing options; tables and columns, clip art . Grades are P/NP. (L)

BCA 22B Microsoft Word 2 1 unit
Lecture: 9 hrs; Lab: 18 hrs CSU
Overview of advanced features of Microsoft Word. Topics include advanced formatting, including graphics, charts, themes, building blocks, merging, styles, and working with multipage documents. Grades are P/NP. (L)

BCA 23 Microsoft Outlook 1 unit
Lab: 12 hrs CSU
Beginning and intermediate level features of Outlook. Create and manage e-mail communications within a network or over the Internet; improve personal efficiency using calendar, tasks, notes, and journal features. Grades are P/NP. (L, N, C)

BCA 25 Desktop Publishing 2 units
Lecture: 27 hrs; Lab: 27 hrs CSU
Fundamentals of document design and layout with emphasis on the importance of visual communication in business documents such as newsletters, flyers, and brochures. Use of advanced software features. Creation of a portfolio. Students should have intermediate level knowledge of Word. (L,C)

BCA 26 Microsoft PowerPoint 1 unit
Lecture: 12 hrs; Lab: 18 hrs CSU
Learn the basics of PowerPoint and more; create presentations, add visuals, include elements and data from other sources, modify master slides and timings. Customize, prepare for distribution, and deliver presentations. Familiarity with keyboard recommended. Grades are P/NP.

BCA 27 Introduction to Computers 0.5 units
Lecture: 6 hrs; Lab: 9 hrs CSU
Designed for the novice computer user or anyone thinking about purchasing a computer system. Introduction to the basics of hardware, software, operating systems and their uses, as well as present an overview of Word, Excel, Access, and the Internet. Grades are P/NP. (L)

BCA 33A Introduction to Excel 1 unit
Lecture: 12 hrs; Lab: 18 hrs CSU
Learn basic features of Microsoft Excel, Including: using the interface, working with text labels, values, formulas, functions, editing and formatting. Spreadsheets designed for decision-making, creating charts, list and data management. Hands-on coursework that focuses on business, academic and personal applications. Grades are P/NP. (L,M)

BCA 34 Advanced Microsoft Excel 1 unit
Lecture:12 hrs; Lab: 18 hrs CSU
Covers advanced features of Microsoft Excel spreadsheet software. These features include: Advanced formatting options, financial functions, 3-D formulas, and other advanced data functions. Hands-on exercises emphasizing business applications. Pre-requisite: BCA 33A. Grades are P/NP. (L,M)

BCA 37A Introduction to Microsoft Access 1 unit
Lecture: 12 hrs; Lab: 18 hrs CSU
Use Microsoft Access to develop simple to complex databases in Windows environment. Design databases, sort and filter records, create input forms and custom-formatted reports. Grades are P/NP. (L,M)

BCA 37B Advanced Microsoft Access 1 unit
Lecture: 12 hrs; Lab: 18 hrs CSU
Explore advanced capabilities of Access and build comprehensive knowledge of relational databases. Includes: creating multiple database tables; design and use forms and subforms to input data; use Query by Example (QBE) to extract data; create reports from related tables; and use macros to manipulate files. (L,M)

BCA 41B Windows XP 1 unit
Lecture: 9 hrs; Lab: 18 hrs CSU
Introduction to Windows XP environment and its capabilities. Use of Windows XP and its graphical user interface to communicate with personal computers. Grades are P/NP. (L,M)

BCA 42A Internet Literacy and Safety 3 units
Lecture: 54 hrs CSU
Exposes the student to a wide range of topics relating to the Internet. Students will learn how to perform basic searches, work with email, manage and tune the web browser, and make the Internet a practical and functional part of everyday life. Designed to ease the fears of the novice and enhance the ability of the intermediate user. (L)

BCA 42B Web Page Management and Design 3 Units
Lecture: 36 hrs; Lab 54 hrs CSU
Fundamentals of Web publishing utilizing web design and imaging software. The course will focus on HTML: design, coding, editing, and maintenance fo web pages; emphasis on web page elements such as CSS, image editing, ADA design, and project management. Real-life information and interactive presentations to include testing and maintenance of web sites on the World Wide Web.

General Business

Student Learning Outcomes

- Understand business terms and concepts, and effectively communicate using the language of business.
- Use specific problem-solving tools to make informed decisions when assessing alternative courses of action.
- Apply concepts and processes to analyze and evaluate various business situations/actions.
- Understand information technologies as they influence the structure and process of organizations and economies, and as they influence the roles and techniques of management.

GENERAL BUSINESS MANAGEMENT
(Associate in Science)

Required Courses	**Units**
BCA 15 Business Computer Applications – Beg	3
GNBUS 10 Intro. to Global Business	3
GNBUS 18A Business Law	3
GNBUS 56 Business Mathematics	3
ECON 1A Elementary Economics-Macro	3
MGMT 5 Introduction to Supervision or MGMT 10 Principles of Management	3
Plus three additional units from courses listed below:	
ACCT 1L Principles of Accounting-Financial	4.5
ACCT 2L Principles of Accounting-Managerial	5
ACCT 6 Individual Income Tax	4
GNBUS 25 Career Planning	3
MGMT 35 Management Psychology	3
OA 52/GNBUS 52 Business English	3
SPECH 1 Public Speaking OR 6 Group Communication	3
Total units required for degree major	**21**

GNBUS 10 Introduction to Global Business 3 units
Lecture: 54 hrs CSU/UC
Survey of the diverse activities of businesses operating in a changing global environment. Examines how culture and customs, global economic systems, technology, legal factors that affect a business' ability to achieve its organizational goals and competitive advantage including entrepreneurship, organizational design and structure, leadership, human resource management and practices, communications, leadership and innovation, marketing and consumer behavior, e-business, legal issues, accounting, financial management and investing options. (L)

GNBUS 18A Business Law 3 units
Lecture: 54 hrs CSU/UC
C-ID: BUS 125
Law and its relationship to business. Laws and regulations affecting managerial decisions. Dispute resolution, torts, contracts, government regulations and other area of commercial law explored through case analysis. Other legal concepts explored include ethics, employment, consumer transactions, competition, the environment, agency, and business organizations. Not open for credit to student with credit in GNBUS 20A, 20B, and 20C. (L)

GNBUS 21 Business Law 3 units
Lecture: 54 hrs CSU
Application of principles of ethical and effective communication to the creation of letter, memos, e-mails, and written and oral report s for a variety of business situations. Development and refinement of written and oral business communication skills including planning composing, editing, and revising business documents using word processing software for written documents and presentation software to create and deliver professional oral reports. This course is designed for students who already have college-level writing skills. Not open for credit for students with credit in OA21.

GNBUS 25 Career Planning and Development 3 units
Lecture: 54 hrs CSU
Survey of techniques of career exploration and selection. In the context of a study of the changes that occur during a typical life span. Each student constructs a personal profile of current and projected interests, aptitudes, skills, values, personality, and life and personal circumstances. Not open for credit to student with credit in COUNS 25. (L)

GNBUS 52 Business English 3 units
Lecture: 54 hrs
A review of English grammar with applications for written and oral business communications. Not open for credit to student with credit in OA 52. (L)

GNBUS 56 Business Mathematics 3 units
Lecture: 54 hrs
Math analysis typically found in corporate and personal business including math found in accounting, real estate, finance, banking and retail. Understand terminology in various aspects of business. Develop methods for problem solving. Develop analytical thinking skills to understand problems, determine solutions, and interpret results. For business and non-business majors. Prerequisite: GNBUS 100 or equivalent background. (L,M)

GNBUS 100 Elementary Business Mathematics 3 units
Lecture: 54 hrs
Mathematics operations involving whole numbers, fractions, decimals, and percents; applications including income, property and social security taxes, averages, wages and salaries, bank records, and algebraic solutions to find unknowns. (L,M)

Management and Supervision

Student Learning Outcomes

- The student will design and complete professional management documents to support communication within the business environment.
- The student will assess business data in the evaluation of business management.
- The student will analyze various strategies for effective business management.
- The student will demonstrate an understanding of the role of technology within the management of business environment.

CHILD DEVELOPMENT TEACHER
(Certificate of Achievement)

These programs are required to possess the California Child Development (Teacher) Permit issued by Commission on Teacher Credentialing. After completing required course work of 40 total units and 175 days of experience, apply for the permit at local county schools office.

Required Courses	**Units**
ECE 1A Preschool Teaching Practices (Programs)	3
ECE 1B Introduction to Curriculum	3
*ECE1C Positive Social Development in Young Children	3
ECE 3 Child Growth/Development	3
*ECE 7A Creative Materials OR 7B Worldwide Arts OR 7C Theory of Children's Art	3
*ECE 10 Health, Safety, and Nutrition	3
*ECE 11 Observation and Assessment	3
ECE 31 Child, Family, Community	3
*ECE 46 Field Experience	3
ECE 2A Administration of Children's Centers	3
Total units required	**27**

PLUS GENERAL EDUCATION ELECTIVES. 16 diversified units with at least one course in each of the following General Education (graduation requirement) areas: Humanities, Social Science, Mathematics or Natural Science, and English 1A.

EXPERIENCE. In addition to specified courses, 175 days (3 or more hours per day) of experience. Renewals are issued for five-years with verification of 105 hours of professional development.

***ECE 11, 10, 7, 1C, 46** are required for certificate only. The Child Development Teacher Permit can be obtained with ANY 12 ECE elective units after completion of ECE 3, 31, 1A, 1B.

DIVERSITY IN ECE
(Certificate of Achievement)

Required Courses	**Units**
ECE 1A Preschool Teaching Practices (Programs)	3
ECE 1B Introduction to Curriculum	3
ECE 3 Child Growth and Development	3
ECE 6 Early Childhood Language Development	3
ECE 7B Worldwide Arts for Children	3
ECE 11 Observation and Assessment	3
ECE 23 Cultural Diversity in ECE Classrooms	0.5
OR ECE 27 Teaching in a Diverse Society	3
ECE 31 Child, Family, Community	3
SPECH 8 Intercultural Communication	3
Additional ECE Recommended Courses	
ECE 5 Physical Activities for Young Children	1
ECE 16 Preschool Music Activities	3
ECE 25 Group Experiences in Outdoor Environment	3
ECE 39 Children's Literature	3
ECE 83 Techniques of Story Telling	1
Total units required for degree major	**24.5 – 27**

SCHOOL AGE CHILDREN
(Certificate of Achievement)

Required Courses	**Units**
ECE 1A Preschool Teaching Practices (Programs)	3
ECE 1B Introduction to Curriculum	3
ECE 3 Child Growth and Development	3
ECE 7A Creative Materials	3
ECE 11 Observation and Assessment	3
ECE 14 The School Age Child	3
ECE 31 Child, Family, Community	3
ECE 46 Practicum-Field Experience-Preschool	3
Additional ECE Electives	**3**
Recommended:	
ECE 1C Positive Social Development in Young	1
ECE 25 Group Experience in Outdoor Environment	3
ECE 5 Physical Activities for Young Children	3
Total units required	**27**

ECE 1 Introduction to ECE Curriculum 1 unit
Lecture: 18 hrs CSU
Introduction to the early childhood center environment and playgrounds and appropriate curriculum activities for young children. Developmentally appropriate practices and activities in all areas of learning will be introduced and explored. Examples of planning for short-term and long-term projects, with appropriate evaluation and documentation will be given. Grades are P/NP. (L)

ECE 1A Principles and Practices of Teaching Young 3 units
Lecture: 54 hrs CSU
C-ID: ECE 120
An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all children. 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. (L)

ECE 1B Introduction to Curriculum 3 units
Lecture: 54 hrs CSU
C-ID: ECE 130
This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age six. Students will examine teacher's role in supporting development and fostering the joy of learning for all young children using observation and assessment strategies emphasizing the essential role of play. An overview of content areas will include but not limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, math and science. Prerequisite: ECE 1A (L)

ECE 1C Positive Social Development in Young Children (Guidance) 3 units
Lecture: 54 hrs CSU
Designed to help teachers and caregivers of young children to establish relationships with children and apply principles of behavior management. Basic principles include helping young children develop positive self-esteem, enter into group play, form friendships and learn prosocial behavior. (L)

ECE 2A Administration of Children's Centers 3 units
Lecture: 54 hrs CSU
Administrative skills, knowledge, and techniques needed to organize and operate a child development center. Emphasis on budget, program management, regulatory laws, and development of policies and procedures. (L)

ECE 2B Administration of Children's Center 3 units
Lecture: 54 hrs CSU
This course examines administrative skills, knowledge and techniques needed for effective supervision to organize, manage and operate a child development center. This includes staff development and staff relations. There will be an emphasis on the role of program director, site supervisor or owner while studying management theory, budget, personnel policies, procedures, regulatory laws, working with families and professional ethics and growth. (L)

ECE 3 Child Growth and Development 3 units
Lecture: 54 hrs CSU/UC
C-ID: CDEV 100
This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Designed as a foundation course for careers in ECE, education, human services, health and related fields. (L)

ECE 5 Physical Activities for Young Children 1 unit
Lecture: 18 hrs CSU
Designed to give adults working with preschool and school-age children a variety of hands on activities useful in creating stimulating outdoor environments. Students will practice using equipment like bean bags and hula hoops as well as becoming familiar with games from diverse ethnic groups. Not open for credit to student with credit in PE 5. (L)

ECE 6 Early Childhood Language Development 3 units
Lecture: 54 hrs CSU
Language development and influences in early childhood including theories of language acquisition, interrelatedness of growth, stages of development, and appropriate curriculum for enhancing speaking, listening, pre-reading, and pre-writing skills. (L)

ECE 7A Creative Materials 3 units
Lecture: 45 hrs; Lab: 27 hrs CSU
Creative activities for young children (2-8 years old), including the planning and implementation of painting, drawing, printmaking, weaving, stitchery, batik, collage, sculpture, puppet-making, and modeling materials. Not open for credit to student with credit in ART 7 or ART 7A. (L)

ECE 7B Worldwide Arts for Children 3 units
Lecture: 45 hrs; Lab: 27 hrs CSU
Multicultural/ethnic art activities for young children including planning and integrating projects across the curriculum. Construction of age-appropriate art objects representative of cultures and regions in West Africa, the Middle East, Europe, Asia, Mexico, Central America, South America, Caribbean Islands, the United States, and Canada. Not open for credit to student with credit in Art 23 or 7B. (L)

ESL 244 English Conversation, Level 4 2 units
Lecture: 36 hrs
Pair, small, and large group discussion for limited English proficient students, including hypothetical situations, jobs and careers, and explaining a process; new relevant vocabulary introduced. Last in a series of four conversation courses. Grades are P/NP.

ESL 245 Integrated ESL Skills, Level 4 2 to 5 units
Lecture: 36 hrs - 90 hrs
Language development for intermediate limited English speakers. Concentration on all language skills listening, speaking, reading, writing, and grammar. Prepares student to continue college course work. (Last in a series of four courses.)

ESL 282A Fundamentals of Composition 3 units
Lecture: 54 hrs
Introduction to basic writing skills for limited English speakers, including composition of sentences and basic punctuation. Preparation for ESL 105 or other appropriate composition course.

ESL 282B Fundamentals of Composition 3 units
Lecture: 54 hrs
Continuation of ESL 282A. Write essays on a variety of basic academic readings. Introduction to basics of MLA. Prepares student for ESL 105 or ENGL 105.

ESL 510 Integrated ESL Skills, Level 1 0 units
Lecture: 36-90 hrs
Basic language development for beginning English speakers. Concentration on all language skills--listening, speaking, reading, writing, and grammar while focusing on everyday life skills. (First in a series of four courses.) It corresponds to al low beginning and beginning ESL credit courses.

ESL 520 Integrated ESL Skills, Level 2 0 units
Lecture: 36-90 hrs
Basic language development for low-intermediate English speakers; concentration on all language skills--listening, speaking, reading, writing, and grammar--while focusing on everyday life skills. (Second in a series of four courses.) . It corresponds to all the credit ESL courses the high-beginning and low-intermediate levels. Prerequisite: Completion of Level 1 ESL course.

ESL 530 Integrated ESL Skills, Level 3 0 units
Lecture: 36-90 hrs
Basic language development for high-intermediate English speakers. Concentration on all language skills--listening, speaking, reading, writing, and grammar--while focusing on life skills. (Third in a series of four courses.) Level 2 ESL courses complete. No conditions. It corresponds to all the ESL courses at the intermediate and high-intermediate levels. Prerequisite: Completion of Level 2 ESL course.

ESL 540 Integrated ESL Skills, Level 4 0 units
Lecture: 36-90 hrs
Language development for limited English speakers above the intermediate level; concentration on all language skills--listening, speaking, reading, writing, and grammar. Prepare students to continue college course work. (Fourth in a series of four courses.) It corresponds to all credit ESL courses from the low-advanced to high-advanced levels. Prerequisite: Completion of Level 1 ESL course.

Environmental Technologies

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

ENVTC 20 Water Distribution 3 units
Lecture: 54 hrs CSU
Topics covered will include drinking water sources with an emphasis on groundwater wells, pumps, water pipes, valves, hydrants, groundwater quality, chemicals used for water disinfection, state and federal regulations for distribution systems and water sampling techniques for distribution systems. This course will prepare students to take a state certification examination for water distribution systems, which is the first step in working for a public entity that delivers safe drinking water to the public. This class will also count for Continuing Education Credits (contact hours) for existing operators. (L,M)

ENVTC 21 Water Treatment Plant Operation 3 units
Lecture: 54 hrs CSU
Topics covered will include the drinking water sources (groundwater and surface water), protection of drinking water sources, intake structures, water conveyances, water treatment facilities, water quality verses treatment techniques, chemicals used for water filtration and disinfection, state and federal regulations for surface water sources and water sampling techniques for groundwater and surface water. This course will prepare students to take a state certification examination for water treatment, which is the first step in working for a public water system that treats and delivers safe drinking water to the public. This class will also count for Continuing Education Credits (contact hours) for existing operators.

ENVTC 22 Water Distribution Systems Level II 3 units
Lecture: 54 hrs CSU
Topics covered will include the drinking water distribution system design, system operations, piping materials, water main, meter and fire hydrant installation, water storage, backflow control, information management and public relations. This course will prepare students to take a state certification examination for water treatment level II, which is the first step in working for a public water system that delivers safe drinking water to the public.

ENVTC 23 Water Treatment Plant Operation 3 units
Level II
Lecture: 54 hrs CSU
Topics covered will include advanced drinking water treatment techniques. This includes mineral removal, fluoridation, water softening, arsenic removal, membrane filtration processes, disposing of process wastes, maintenance of the treatment plant, advanced lab procedures, drinking water regulations and administration. This course will prepare students to take a state certification examination for water treatment level II, which is the first step in working for a public water system.

ENVTC 24 Wastewater Treatment Operation 3 units
Level I
Lecture: 54 hrs CSU
Course content includes wastewater treatment and disposal methods. Topics covered will include wastewater treatment facilities, pretreatment and primary treatment, wastewater treatment methods, disinfection and final effluent disposal. This course will help prepare students to take a state certification exam for wastewater treatment operators, which is the first step in working for a public wastewater system that treats and disposes of wastewater in compliance with state and federal laws.

ENVTC 25 Wastewater Treatment Operation 3 units
Level II
Lecture: 54 hrs CSU
Covers advanced wastewater treatment techniques, including effluent disposal methods, activated sludge treatment, sludge digestion and disposal, effluent discharge, plant safety, plant maintenance, laboratory procedures, and treatment plant administration. Helps prepare students to take a state certification examination for wastewater treatment. First step in working for a public wastewater utility.

Ethnic Studies

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes
- Students who complete the Ethnic Studies program will understand, compare, and contrast the concepts of race and ethnicity in U.S. Society.
- Students who complete the Ethnic Studies program will identify global historical events and social movements that have shaped racial ethnic relations in U.S. society.
- Students who complete the Ethnic Studies program will understand the implications of institutional racism.
- Students who complete the Ethnic Studies program will understand the social construction of ethnic identity.

ETHN 1 Introduction to Chicano Studies 3 units
Lecture: 54 hrs CSU/UC
Emphasizes an interdisciplinary analysis of historical, socio-political, economic, educational, and cultural conditions related to the Chicano population in the United States. The focus is on past and contemporary Chicano social movements and the intersections of race/ethnicity, class, and gender. Not open for credit to students with credit in LARAZ 1. (L)

ETHN 6 History of Race and Ethnicity 3 units
Lecture: 54 hrs CSU/UC
Covers the social, cultural and economic interaction between various racial and ethnic groups in America from the fifteenth century to the present. Topics include immigration, discrimination, group identity, and multiculturalism. Not open for credit for students with credit in HIST 6. (L)

ETHN 7 Indians of North America 3 units
Lecture: 54 hrs CSU/UC
Survey history of Indians of the United States and Canada from pre-Columbian societies through European conquest to the modern day. Not open for credit to students with credit in HIST 7 or NATAM 7. (L)

ETHN 11 Introduction to Ethnic Studies 3 units
Lecture: 54 hrs CSU
This course introduces the diverse institutional, cultural, and historical issues relating to the past and present life circumstances of Asian Americans, Mexican Americans, Black Americans, and Native Americans. Specifically, students will be introduced to information presented in upper division courses with ethnic studies content. (L)

ETHN 14 Asian-American History 3 units
Lecture: 54 hrs CSU
Chronological study of Asian-Americans from the early immigrants to recent arrivals. Emphasis on Chinese-, East Indian-, Japanese-, Korean-, and Filipino-Americans, and the boat people (Cambodians, Laotians, and Vietnamese). Not open for credit to students with credit in ASIAN 14 or HIST 14. (L)

ETHN 15 Mexican-American History 3 units
Lecture: 54 hrs CSU/UC
Historical development of Mexican-Americans from Mexican origins, settlement in the United States, to the present time. Emphasis is given to the pre-Columbian setting, the indigenous heritage, European conquest and legacy, distinctive colonial institutions, and the growth of independence movements in the United States and Mexico. Major political, social, economic, and cultural factors will be presented, focusing on the roles played by diverse peoples and cultures who shared in the development of the United States and Mexico. Satisfies CSU Title 5, Section 40404, U.S. History, Constitution, and American Ideals requirement when both ETHN/HIST 15 and POLSCI 1 are completed. Not open for credit to students with credit in HIST 15 or LARAZ 15. (L)

Health Education

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes

- The student will correctly identify the benefits of a healthy and active lifestyle.
- The student will appraise different methodologies of positive behavioral changes as it relates to health and physical education.
- The student will apply basic principles of health and wellness to develop an informed, personal approach to mental and physical health.

HLTH 1 Health and Life Style Choices 3 units
Lecture: 54 hrs CSU/UC
Issues include wellness, functioning optimally, and promoting healthy behavior changes. Topics explore diet, exercise, stress, CVD, cancer, substance abuse, sexually transmitted disease, mental health, aging and analysis of available health information. (L)

HLTH 10 Principles of Nutrition 3 units
Lecture: 54 hrs CSU
Functions of nutrients in the human body. Nutritional needs of individuals through their life cycle, food choice determinants, effects of cooking and processing, role and safety of food additives, and meal planning guidelines. Not open for credit to students with credit in FCS 10. (L)

HLTH 13 Nutrition and Life Fitness 3 units
Lecture: 54 hrs CSU/UC ~~UC Unit Limit~~
The analysis and evaluation of current practices and theories regarding nutrition and exercise and their relationship to weight control and physical fitness. Individualized exercise prescription, and nutritional analysis will be completed by each student. (L)

History

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Degree Offered: A.A.- History, A.A.-T - History

Student Learning Outcomes

- Recognize and articulate how past events are interconnected throughout the world.
- Recognize and articulate the many struggles and accomplishments of different cultural groups from past events.
- Analyze information and data to achieve a better understanding of present society in reference to the past.

HISTORY
(Associate in Arts)

Required Courses	**Units**
Select 15 units from the following:	
HIST 4A Western Civilization	3
HIST 4B Western Civilization	3
HIST 5A World Civilizations	3
HIST 5B World Civilizations	3
HIST/ETHN 6 History of Race and Ethnicity in America	3
HIST/NATAM 7 Indians of North America	3
HIST 8 California History	3
HIST 11 The World in the 20th Century	3
HIST 14 OR ETHN 14 Asian-American History	3
HIST 15 Mexican-American History	3
HIST 16A OR AFRO 16A African-American History to 1865	3
HIST 16B OR AFRO 16B African-American History	3
HIST 17 United States History A	3
HIST 17B United States History	3
HIST 29 Women in American History	3
And 3 units from the following:	
ANTHR 2 Cultural Anthropology	3
ECON 1A Elementary Economics - Macro	3
PHIL 12 Critical thinking	3
ECON 1B Elementary Economics - Micro	3
SOCIL1 Introduction to Sociology	3
Total units required for major	**18**

HISTORY
(Associate in Arts for Transfer Degree)

History is a study of the past. The past not only defines our lives, society, and the world we live in today, but shapes the pathway to the future. Students of history study individuals, groups, communities, nations, people, and cultures from different times and places.

Many different methods are applied to effectively learn about history. History students examine the past through different perspectives and apply various analytical techniques to raise questions and think critically about the past. In addition to learning about amazing events, history provides us with a better understanding of our present lives.

Although an AA history degree is a great personal accomplishment, career opportunities are limited. For career opportunities and social advancement, an AA degree in history must be followed through with at least a BA from a four year college/institution. For the best opportunities for careers and social advancement, BA in history graduates should pursue graduate level degrees in law, business, and teaching.

Required Courses	**Units**
HIST 17A United States History	3
HIST 17B United States History	3
Group A (choose 6 units**)**	
HIST 4A Western Civilization	3
AND	
HIST 4B Western Civilization	3
OR	
HIST 5A World Civilizations	3
AND	
HIST 5B World Civilizations	3
Group B (choose 3 units)	
HIST 6 History of Race and Ethnicity in America OR	
ETHN 6 History of Race and Ethnicity in America	3
HIST 7 Indians of North America OR	
ETHN 7 Indians of North America	3
HIST 15 Mexican-American History OR	
ETHN 15 Mexican-American History	3
HIST 29 Women in American History	3
Group C (choose 3 units)	
HIST 8 California History	3
OR	
HIST 11 The World in the 20th Century	3
OR	
Any course not selected above	
Total required units	**18**
Total units that can be double counted	**9**
CSU General Education or IGETC Pattern	**37-39**
Additional transferable elective units (if needed)	**12-14**
Degree total	**60**

HIST 4A Western Civilizations 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
Broad historical study of the major elements of the western tradition from earliest times to the Eighteenth century. Introduction of ideas, values, and institutions basic to Western civilizations. (L)

HIST 4B Western Civilization 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
C-ID: HIST 180
Historical study of the major elements of the western experience the Eighteenth century to the present. Includes major political and social developments that have revolutionized the modern mode of human existence. (L)

HIST 5A World Civilizations 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
Survey of the experience of all peoples with vastly different cultures inhabiting a single globe. Emphasizes the interaction of humans with the environment based on experience, knowledge, and technology. Systems: economic, social, religious and political to c. 1500. (L)

HIST 5B World Civilizations 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
The experience of all the world's people from the early modern era to the present. Emphasis is upon the interaction of people with the environment based upon the development of technology. Conflict with traditional systems and new(er) orders. (L)

HIST 6 History of Race and Ethnicity in America 3 units
Lecture: 54 hrs CSU/~~UC~~
Covers the social, cultural, and economic interaction between various racial and ethnic groups in America from the fifteenth century to the present. Topics include immigration, discrimination, group identity, and multiculturalism. Not open for credit to students with credit in ETHN 6. (L)

HIST 7 Indians of North America 3 units
Lecture: 54 hrs CSU/~~UC~~
Survey history of Indians of United States and Canada from re-Columbian societies through European conquest to modern day. Not open for credit to students with credit in NATAM 7 or ETHN 7. (L)

HIST 8 California History 3 units
Lecture: 54 hrs CSU/UC
Survey history of California from Native American cultures through Spanish, Mexican, and American periods to the present. Includes California government, some emphasis on local history. (L)

HIST 11 The World in the 20th Century 3 units
Lecture: 54 hrs CSU/UC
A survey of the major political, social, economic, and cultural developments in the world during the 20th Century. (L)

HIST 15 Mexican-American History 3 units
Lecture: 54 hrs CSU/~~UC~~
Historical development of Mexican-Americans from Mexican origins, settlement in the United States, to the present time. Emphasis is given to the pre-Columbian setting, the indigenous heritage, European conquest and legacy, distinctive colonial institutions, and the growth of independence movements in the United States and Mexico. Major political, social, economic, and cultural factors will be presented, focusing on the roles played by diverse peoples and cultures who shared in the development of the United States and Mexico. Satisfies CSU Title V, Section 40404, U.S. History, Constitution, and American Ideals requirement when both HIST 15 and POLSCI 1 are completed. Not open for credit to students with credit ETHN 15 or LARAZ 15. (L)

HIST 17A United States History 3 units
Lecture: 54 hrs CSU/UC
Survey of U.S. history tracing the political, social, economic, and cultural development of American ideals and actions from the Pre-Revolutionary Period through the Civil War Era. Satisfies U.S. History portion of the California State University Title 5-40404 requirement. (Also satisfies Government(s)/Constitution portion when both HIST 17A and 17B are completed. (L)

HIST 17B United States History 3 units
Lecture: 54 hrs CSU/UC
Political, social, economic, and cultural history of the United States form the Industrial Revolution to the present. Focuses on the ideals, decisions, forces, institutions, individuals, events, and processes that affected the continuity and change during this time. Satisfies CSU Title V, Section 40404, U.S. History, Constitution, and American Ideals requirement when both HIST 17B and POLSCI 1 or HIST 17A are completed. (L)

HIST 29 Women in American History 3 units
Lecture: 54 hrs CSU/UC
General introduction to the history of women in America from colonial times to the present. Emphasis on the changing political, economic, social, and ethnic history. (L) Not open for credit to students with credit in WOMEN 29.

Human Services

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Degrees Offered: A.S.- Chemical Dependency Awareness, Chemical Dependency Counselor, and Human Services
Certificates Offered: Chemical Dependency Awareness and Chemical Dependency Counselor

The two-year Human Services program is designed to meet an increasing need for paraprofessional and volunteer human services generalists. The program is specifically designed to prepare students for employment as Human Service paraprofessional counselors, workers, and aides in areas of welfare, vocational rehabilitation, mental health, and chemical dependency. The program also provides additional training and skills to paraprofessionals and volunteer human service workers currently employed, enabling them to more effectively meet human service's needs.

Student Learning Outcomes
- Students will be able to demonstrate their ability to apply knowledge and skills to appropriate contexts and transfer knowledge and skills to new and varied situations.
- Students will be able to demonstrate effective verbal, non-verbal, and writing skills to communicate to a variety of clients at different levels of functioning and those within the community.
- Students will demonstrate ethical behavior and explore their own personal values and beliefs. Students will display an understanding of and respect for other people and cultures.

HUMAN SERVICES
(Associate in Science)

Required Courses	**Units**
HUSEV 10 Introduction to Human Services	3
PSYCH 1A General Psychology	3
PSYCH 33 Personal/Social Adjustment	3
SOCIL 1 Introduction to Sociology	3
SOCIL 2 Social Problems	3
SOCIL 10 Sociology of Marriage	3
SPECH 7 Interpersonal Communication	3
Total units required for degree major	**21**

Additional Recommended Courses:

AJ 31 Criminal/Delinquent Behavior	3
EDUC 1 Introduction to Teaching	3
FCS 31 Child, Family, Community	3
ETHN 1 Introduction to Chicano Studies	3
ETHN 14 Asian-American History	3

Mathematics

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Degree Offered: A.S. Mathematics, A.S.-T Mathematics

Student Learning Outcomes

- Apply appropriate mathematical and statistical concepts, models, and methods to understand, analyze and communicate results when dealing with issues involving quantitative information.
- Analyze data and numerical information to evaluate, interpret, and draw objective conclusions when facing quantitative problems.

MATHEMATICS
(Associate in Science)

Required Courses	**Units**
MATH 1A First Year Calculus	5
MATH 1B First Year Calculus	4
MATH 2A Second Year Calculus	4
MATH 3 Linear Algebra	3
STAT 1 Introduction to Statistical Methods	4
Total units required for degree major	**20**

MATHEMATICS
(Associate in Science for Transfer Degree)

This degree is intended for students who wish to transfer to a California State University to complete a Bachelor's Degree in Mathematics. The AS-T Degree in Mathematics will offer the knowledge and ability to be successful in the completion of Bachelor's Degree in Mathematics and may help prepare you for Bachelor's Degrees in statistics and a variety of science or engineering related areas. **(Check with a counselor to obtain accurate information on usefulness of the AS-T in Mathematics for potential use by those intending to major in statistics, engineering, or science related fields.).**

Pursuant to SB 1440, the Associate in Science for Transfer in Mathematics is intended for students who plan to complete a Bachelor's Degree in Mathematics at a CSU campus. Students completing an AS-T degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a Bachelor's Degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should check with a counselor for more information on university admission and transfer requirements.

To earn this AS-T degree, students must meet the following requirements:

- Completion of the major requirements with grades of C or better;
- Completion of 60 units of CSU transferable courses with a minimum of 2.0 GPA (please check with a counselor for more information; some majors or CSUs may require a higher GPA);
- Verified completion of either the California State University General Education Breadth pattern (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) (please check with a counselor for more information).

Required Courses	**Units**
MATH 1A Single Variable Calculus I – Early Transcendentals	5
MATH 1B Single Variable Calculus II -- Early Transcendentals	4
MATH 1C Multivariable Calculus	4
Group A: Select 1 course (3 units)	
MATH 2 Ordinary Differential Equations	3
MATH 3 Linear Algebra	3
Group B: Select 1 course (3-4 units)	
Any course not selected in Group A	
PHYS 4A Mechanics	4
STAT 1 Introduction to Statistical Methods	4
Total units required	**19-20**
Total units that can be double counted	**5**
CSU General Education or IGETC Pattern	**37-39**
Additional transferable elective units (if needed)	**6-8**
Degree total	**60**

MATH 1A **Single Variable Calculus I – Early Transcendentals** **5 units**
Lecture: 90 hrs CSU/UC UC-Unit Limit
C-ID: MATH 210
A first course in differential and integral calculus of a single variable: functions; limits and continuity; techniques and applications of differentiation and integration; fundamental theorem of calculus. Primarily for science, technology, engineering, and mathematics majors. Prerequisite: MATH 7or both MATH 20 and MATH 21. (L,M)

MATH 1B **Single Variable Calculus II – Early Transcendentals** **4 units**
Lecture: 72 hrs CSU/UC
C-ID: MATH 220
A second course in differential and integral calculus of a single variable: integration; techniques of integration; infinite sequences and series; polar and parametric equations; applications of integration. Primarily for science, technology, engineering and mathematics majors. Prerequisite: MATH 1A. (L,M)

MATH 1C **Multivariable Calculus** **4 units**
Lecture: 72 hrs CSU/UC
C-ID: MATH 230
Vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's theorem, Stokes' theorem, divergence theorem. Prerequisite: MATH 1B. (L,M)

MATH 2 Ordinary Differential Equations 3 units
Lecture: 54 hrs CSU/UC
C-ID: MATH 240
The course is an introduction to ordinary differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exist, and techniques for obtaining solutions, including, series solutions, Laplace transforms and linear systems. Pre-requisite: MATH 1B. (L, M)

MATH 2A Second Year Calculus 4 units
Lecture: 72 hrs CSU/UC
Emphasis on the calculus of two and three variable, including topics from vector analysis. Also conics and polar coordinates. Prerequisite: Math 1B (L,M)

MATH 2B Differential Equations 3 units
Lecture: 54 hrs CSU/UC
Topics in ordinary differential equations. Various solutions to elementary differential equations; required for most Engineering majors. MATH 2A is recommended. Prerequisite: MATH 1B with a grade of "C" or better. (L,M)

MATH 3 Linear Algebra 3 units
Lecture: 54 hrs CSU/UC
C-ID: MATH 250
This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms orthogonally, eigenvalues, eigenspaces, and linear transformation. Selected application of linear algebra are included. Prerequisite: Math 1B. Recommended successful completion of Math 1C. (L,M)

~~**MATH 7 Pre Calculus 4 units**~~
~~Lecture: 72 hrs CSU/UC~~
~~Preparation for calculus including polynomial, absolute value, radial rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates. Prerequisite: MATH 21. (L,M)~~

MATH 9 Calculus for Business, Social and Life Sciences 4 units
Lecture: 72 hrs CSU/UC UC-Unit Limit
C-ID: MATH 140
Topics of calculus including differentiation, integration, graphs, limits, and rates. Applications from economics, business, life science, and behavioral science. Prerequisite: MATH 52. Not open for credit to student with credit in MATH 1A (L,M)

MATH 20 College Algebra 4 units
Lecture: 72 hrs CSU/UC
C-ID: MATH 151
College level course in algebra for majors in science, technology, engineering, and mathematics. Topics include polynomial, rational, radical, exponential, absolute value, and logarithmic functions, systems of equations, theory of polynomial equations, and analytic geometry. Prerequisite: MATH 52 or a satisfactory score on the mathematics placement test. (L, M)

MATH 21 Plane Trigonometry 3 units
Lecture: 54 hrs CSU
C-ID: MATH 851
Trigonometric functions, fundamental formulas, identities, solution of triangles, and complex numbers. Prerequisite: MATH 52. (L,M)

MATH 50 Elementary Algebra 4 units
Lecture: 72 hrs
Introductory algebra. Topics include: signed numbers, graphing, linear equations, quadratic equations, and systems of linear equations in two variables. Prerequisite: MATH 111 or qualifying score on Placement Examination. (L)

MATH 50A Elementary Algebra First Half 3 units
Lecture: 54 hrs
Introductory algebra. Topics include: signed numbers, graphing, linear equations, and introduction to functions. Designed for a wide variety of students, including those who have been unsuccessful in MATH 50, are math anxious, or desire a slower paced, year-long version of MATH 50. Intended to provide students with additional exposure to algebraic concepts and additional time to practice them. It is the first half of Elementary Algebra and, together with MATH 50B, is equivalent to MATH 50 for courses that require MATH 50 as a prerequisite. Prerequisite: Qualifying score on Placement Examination, or MATH 111 with a grade of "C" or better. (L)

MATH 50B Elementary Algebra Second Half 3 units
Lecture: 54 hrs
Introductory algebra. Topics include: graphing, quadratic equations, absolute value equations, systems of linear equations in two variables, compound inequalities, factorization of polynomials. Designed for a wide variety of students, including those who have been unsuccessful in Math 50, are math anxious, or desire a slower paced, year-long version of Math 50. Intended to provide students with additional exposure to algebraic concepts and additional time to practice them. It is the second half of Elementary Algebra and, together with Math 50A, is equivalent to Math 50 as a prerequisite. Math 50B is also suitable for students who desire to review the latter part of Math 50 before taking Math 52. Prerequisite: MATH 50A with a grade of "C" or better. (L)

MATH 52 Intermediate Algebra 4 units
Lecture: 72 hrs
Fundamental operations of algebra, linear and quadratic equations and inequalities; exponents and polynomials; rational expressions; radicals and fractional exponents; graph of a straight line; linear and quadratic system of equations; conic sections; exponential and logarithmic functions. Prerequisite: MATH 50. (L,M)

MATH 52A Intermediate Algebra First Half 3 units
Lecture: 54 hrs
Intermediate algebra. Topics include: factoring polynomials, rational expressions, radicals, rational exponents and complex numbers. Designed for a variety of students, including those who have been unsuccessful in MATH 52, are math anxious, or desire a slower paced, year-long version of MATH 52. Intended to provide students with additional exposure to algebraic concepts and additional time to practice them. This course is the first half of Intermediate Algebra. MATH 52A and MATH 52B must both be taken to be equivalent to MATH 52 for courses that require MATH 52 as a prerequisite, or to meet a degree requirement. Prerequisite: MATH 50 or equivalent. (L,M)

MATH 52B Intermediate Algebra Second Half 3 units
Lecture: 54 hrs
Intermediate algebra. Topics include: quadratic equations and functions, exponential and logarithmic functions, conic sections, linear systems in three variables, nonlinear systems, and variation. Designed for a variety of students, including those who have been unsuccessful in MATH 52, are math anxious, or desire a slower paced, year-long version of MATH 52. Intended to provide students with additional exposure to algebraic concepts and additional time to practice them. This course is the second half of Intermediate Algebra. MATH 52A and MATH 52B must both be taken to be equivalent to MATH 52 for courses that require MATH 52 as a prerequisite, or to meet a degree requirement. Prerequisite: MATH 52A or equivalent. (L,M)

MATH 58 Quantitative Reasoning 3 units
Lecture: 54 hrs
Interpretation of and reasoning with quantitative information. Coverage of logic; units analysis; uses and abuses of percentages, ratios, and indices; financial management; and statistics. This course satisfies the AA and AS degree requirement but does not satisfy the prerequisite for a transferable math course. Prerequisite: MATH 50 or equivalent. (L,M)

MATH 110 Arithmetic for College Students 3 units
Lecture: 54 hrs
Whole numbers, fractions, mixed numbers, and decimals. Concepts of prime and composite numbers, and prime factorization; ration proportion, percent; rounding and estimating sums, differences, products, and quotients. Applications and the reasonableness of answers are stressed. Concepts, language usage and reasoning skills are emphasized. (L)

~~**MATH 110 Arithmetic for College Students 3 units**~~
~~Lecture: 54 hrs~~
~~Seeks to develop algebraic thinking. Topics include: operations on the rational numbers; exponents; the order of operations; the real numbers and their decimal number representation; the field axioms; introduction to algebra; graphing in two dimensions; percent, ratio, proportion, basic geometry; conversion of units; and problem solving using equations.~~

MATH 111 Pre-algebra 4 units
Lecture: 72 hrs
Seeks to develop algebraic thinking. Topics include: operations on the rational numbers; exponents; the order of operations; the real numbers and their decimal number representation; the field axioms; introduction to algebra; graphing in two dimensions; percent, ratio, proportion, basic geometry; conversion of units; and problem solving using equations.

Music

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes
- The student will be able to express in written and oral formats a correct comprehension of musical concepts including rhythm, melody, harmony, and form.
- The student will be able to demonstrate proficiency in new technologies for the purpose of research, communication, composition, recording and performance.
- The student will be able to interact appropriately with others in the assessment of musical performance assignments, including collaboration with other musicians.

MUSIC 3 Music Appreciation 3 units
Lecture: 54 hrs CSU/UC
Study of music in relation to the humanities; music and composers of the Western world from Medieval through the 20th Century. Not open for credit to students with credit in HUMAN 3. (L)

MUSIC 12 Jazz Appreciation 3 units
Lecture: 54 hrs CSU/UC
General survey of jazz from its original and early development to present day; extensive listening to both recorded and live performances supports the lecture material. Not open for credit to students with credit in HUMAN 12. (L)

MUSIC 15 Popular Music in the United States 3 units
Lecture: 54 hrs CSU/UC
A survey of popular music in the United States from about 1850 to present; covers American Civil War songs, ragtime, blues, jazz, songwriting, musical theater, country music, Latin music styles, rock, and current trends. Not open for credit to students with credit in HUMAN 15. (L)

MUSIC 16 World Music 3 units
Lecture: 54 hrs CSU/UC
An introduction to music as experienced through various world cultures including, but not limited to, Asia, India, the Middle East, Africa, Australia, and South America. Subcultures, such as Native American music and Ethnic North American music are also studied. Not open for credit to students with credit in HUMAN 16. (L)

MUSIC 35 Beginning Guitar 1 or 2 units
Lecture: 9-27 hrs; Lab: 27 hrs CSU/UC
Basic guitar technique with an emphasis on melody and chording.

Nutrition

NUTR 10 Principles of Nutrition 3 units
Lecture: 54 hrs CSU/UC
Functions of nutrients in the human body. Nutritional needs of individuals through their life cycle, food choice determinants, effects of cooking and processing, role and safety of food additives, and meal planning guidelines. Not open for credit to students with credit in HLTH 10 or FCS 10. (L)

Philosophy

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes

- The student will be able to appraise, critique, and evaluate major philosophical systems by comparing and contrasting conceptual similarities and differences.
- The student will be able to demonstrate the ability to assess, and evaluate political and cultural thought.
- The student through interaction with other classmates will demonstrate a respect for philosophical opinions, feelings, and values.

PHIL 1 Introduction to Philosophy 3 units
Lecture: 54 hrs CSU/UC
Introduces students to the nature and practice of philosophic inquiry by focusing on traditional philosophic issues from a multicultural perspective. Particular emphasis will be given to classic Western philosophers as well as classic Eastern sources. (L)

PHIL 2 Ethics 3 units
Lecture: 54 hrs CSU/UC
An introduction to the study of ethics emphasizing the relevance of ethics to everyday decision making. Topics include the human context of moral reasoning, relativism, subjectivism, religion and ethics, conscience and moral development, ethical egoism, utilitarianism, the ethics of duty, rights ethics, virtue ethics and the good life, and case studies in moral reasoning. (L)

PHIL 3 Philosophy of Religion 3 units
Lecture: 54 hrs CSU/UC
A philosophical exploration of religious belief and practice, with an emphasis on understanding how the world's major religious traditions -- Eastern and Western -- respond to fundamental issues concerning the ultimate nature of reality. Topics include: religion and philosophy, world views and religion, metaphysics without God, metaphysics with God, arguments for God's existence, the problem of evil, incarnation and God, God and gender, life after death, religious experience, science and religion, prudential arguments for religious belief, faith and justification, love and the meaning of life. (L)

PHIL 6 Political Philosophy 3 units
Lecture: 54 hrs CSU/UC
This is an introduction to the major authors and types of political thought and the central issues involved in political thinking (e.g. democracy, fascism, justice, rights, law liberty, political authority, political principles, consequences, etc.), as presented through classical or contemporary reading selections. Not open for credit to student with credit in POLSC 6. (L)

PHIL 12 Critical Thinking 3 units
Lecture: 54 hrs CSU/UC
A basic introduction to critical thinking skills emphasizing their application to everyday decision making. Topics include: definitions of critical thinking, language and meaning, claims and reasons, argument and inference, argument identification and reconstruction, inductive reasoning, deductive reasoning, underlying assumptions, evaluating assumptions, assumptions and evidence, world views as a context for critical thought, evaluating arguments, sound and fallacious reasoning, informal fallacies, causal inference, and scientific method. (L)

PHIL 20 World Religions 3 units
Lecture: 54 hrs CSU/UC
A survey of the beliefs and practices of Eastern and Western religious traditions. Emphasis will be given to the origin and development of each tradition, its major forms of expression, and the various ways in which each tradition addresses the most fundamental questions of human existence. (L)

Physical Education

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

PE 1.21 Aerobic Exercise .5 to 2 units
Lecture: 4.5–18 hrs; Lab: 13.5-54 hrs CSU/UC UC-Unit Limit
Aerobic exercise designed to develop and/or maintain cardiovascular endurance, muscular strength, flexibility, and coordination through the use of continuous vigorous movements.

PE 1.26 Body Toning .5 to 1.5 units
Lecture: 4.5-13.5 hrs; Lab: 13.5-40.5 hrs CSU/UC
UC-Unit Limit
An aerobic exercise program designed to develop muscle tone throughout the body. Muscle endurance and flexibility is also developed.

PE 1.27 Fitness Walking/Jogging 1-2 units
Lecture: 9-18 hrs; Lab: 27-54 hrs CSU/UC UC-Unit Limit
Individualized walking/jogging program designed to improve cardiovascular endurance and muscular strength. Emphasis on Lifetime fitness including the principles of nutrition, fitness and safety.

PE 1.36 Yoga .5 to 2 units
Lecture: 4.5–18 hrs; Lab: 13.5-54 hrs CSU/UC UC-Unit Limit
Development of basic Yoga postures, breathing practices, stretching, and relaxation techniques as a method to improve flexibility, decrease stress and improve physical and mental well-being.

PE 1.59~~R~~ Aerobic Weight Training .5 to 1.5 units
Lecture: 4.5-13.5 hrs; Lab: 13.5-40.5 hrs CSU/UC UC-Unit Limit
Weight training methods and techniques to improve aerobic fitness, cardiovascular fitness, and muscular endurance.

PE 5 Physical Activities for Young Children 1 unit
Lecture: 18 hrs CSU
Designed to give adults working with preschool and school-age children a variety of hands-on activities useful in creating stimulating outdoor environments. Students will practice using equipment like bean bags and hula hoops, as well as become familiar with games from diverse ethnic groups. Not open for credit to student with credit in ECE 5. (L)

Physical Science

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes
- Students will be able to use appropriate mathematical concepts and methods to understand, analyze, and communicate issues of geology, geography, and/or physical science in quantitative terms.
- Students will be able to analyze data/information in addressing and evaluating problems and issues pertaining to geology, geography, and/or physical science.
- Students will be able to understand the purpose of scientific inquiry and the implications and applications of basic scientific principles within the fields of geology, geography, and/or physical science.

PHYSC 10A Earth Science 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
C-ID: GEOL 120
Survey course with topics chosen principally from oceanography, geology, physical geography, meteorology, and astronomy. Topics are presented within a theme of understanding the earth. (L)

PHYSC 10AL Earth Science Laboratory 1 unit
Lab: 54 hrs CSU/UC
Laboratory activities in Earth Science to reinforce and complement the materials presented in PHYSC 10A. Corequisite PHYSC 10A. Prerequisite PHYSC 10A. (L)

PHYSC 10B Physical Science - Physics and Chemistry 3 units
Lecture: 54 hrs CSU/UC UC-Unit Limit
Basic concepts in physics and chemistry: motion, force, energy, electricity, atomic theory, matters, chemical and physical changes, radioactivity, and an introduction to modern physics. (L)

PHYSC 10C Physical Science - Physics and Chemistry 1 unit
Lab: 54 hrs CSU/UC
Laboratory experiments in physics and chemistry to reinforce and complement the materials presented in PHYSC 10B. Prerequisite: PHYSC 10B which may be taken concurrently. (L)

Physics

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes
- Mathematical calculations in Physics Problem Solving.
- Learning how to think and reason scientifically to solve real life problems.
- Awareness of the Scientific Method as it relates to Physics.

PHYS 2A General Physics 3 units
Lecture: 54 hrs CSU/UCUC-Unit Limit
C-ID: PHYS 105
Comprehensive survey of physics, including mechanics, hydrostatics, thermodynamics, and wave motion; qualitative understanding and quantitative problem solving; primarily for life science major. Prerequisite: MATH 21. CHEM 2A is recommended. (L,M)

PHYS 2B General Physics 3 units
Lecture: 54 hrs CSU/UC
UC-Unit Limit
Comprehensive study of physics, including electricity and magnetism, optics, atomic and nuclear physics, and relativity; equal emphasis placed on qualitative understanding and quantitative problem solving. Primarily for Life Science majors. Prerequisite: PHYS 2A. (L,M)

PHYS 3A General Physics Lab 1 unit
Lab: 54 hrs CSU/UCUC-Unit Limit
C-ID: PHYS 105
Performance of lab experiments to verify the important concepts of PHYS 2A. Not open for credit to student with credit in the PHYS 4 series, or equivalent. Prerequisite: PHYS 2A which may be taken concurrently. (L,M)

PHYS 3B General Physics Lab 1 unit
Lab: 54 hrs CSU/UC-Unit Limit
Performance of lab experiments to verify the important concepts of PHYS 2B. Not open for credit to student with credit in the PHYS 4 series. Corequisite: PSYS 2B. Prerequisite: PHYS 3A. (L,M)

PHYS 4A Mechanics 4 units
Lecture: 54 hrs; Lab: 54 hrs CSU/UC UC-Unit Limit
Overview of the field of physics, its position and significance relative to the sciences, followed by a detailed study of mechanics. Primarily for architecture, chemistry, engineering, geophysics, and physics majors. Prerequisite: MATH 1A with a grade of "C" or better, MATH 1B (MATH 1B concurrent ok). (L,M)

PHYS 4B Electromagnetism 4 units
Lecture: 54 hrs; Lab: 54 hrs CSU/UCUC-Unit Limit
Study of electromagnetism with accompanying laboratory. Prerequisite: Physics 4A with a "C" or better. (L,M)

PSYCHOLOGY
(Associate in Arts)

Required Courses	**Units**
PSYCH 1A General Psychology	3
PSYCH 12 Human Sexuality OR PSYCH 31 Gender and Behavior: Feminine and Masculine	3
Plus 12 additional units selected from the following:	
PSYCH 8 Social Science Research Methods	3
PSYCH 33 Personal and Social Adjustment	3
PSYCH 40/ECE 3 Childhood and Adolescent Behavior	3
PSYCH 41 Lifespan Development	3
PSYCH 30A, 30C, 30D Consciousness Studies (1 unit each - all three must be completed)	3
PSYCH 12 or 31 -- if not already completed above	3
PSYCH 46 Abnormal Psychology	3
Total units required for degree major	**18**

PSYCHOLOGY
(Associate in Arts for Transfer)

Psychology is the study of human thought, feelings, and behavior. Part of its appeal is the fact that it involves both scientific investigation and practical applications of those findings in everyday life. Woodland Community College Psychology courses offer a diverse program with several goals:

1) To expose students to the variety of sub-fields in psychology;
2) To engender knowledge of, and appreciation for, the spirit and nature of scientific inquiry;
3) To facilitate insight into oneself and increase knowledge of, and sensitivity to, others;
4) To introduce students to the basic body of knowledge, thus preparing them for further study in Psychology.

Those pursuing psychology as a field of study will find many career options centering around helping others to understand, predict, and influence their own behavior and the behavior of others. Psychologists may teach, conduct research, perform psychological testing, or do consultation in a variety of settings which include hospitals, businesses, private practice, personnel offices, industry, colleges and universities, and government. Training in Psychology provides a valuable foundation for professions wherein interpersonal interactions are a component of the work setting.

The following is required for the Associate in Arts in Psychology for Transfer Degree:

1) Minimum of 60 CSU-transferable semester units
2) Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.
3) Completion of minimum of 18 semester units in the major as detailed in the program section of the catalog Psychology. All courses in the major must be completed with a grade of C or better.
4) Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

Required Courses	**Units**
PSYCH 1A General Psychology	3
PSYCH 7 Research Methods in Psychology	3
STAT 1 Introduction to Statistical Methods	4
Biology Requirement	
Choose one from the following:	
BIOL 4 Human Anatomy OR BIOL 10L General Biology	4
Critical Thinking Requirement	
Choose one from the following:	
ENGL 1B Critical Thinking & Writing About Literature OR ENGL 1C Critical Thinking/Advanced Composition OR PHIL 12 Critical Thinking	3
Psychology Electives.	
Choose one from the following:	
PSYCH 12 Human Sexuality & Sexual Behavior OR PSYCH 22 Social Psychology OR PSYCH 31 Gender & Behavior: Feminine and Masculine Behavior OR PSYCH 33 Personal and Social Adjustment OR PSYCH 41 Lifespan Development OR PSYCH 46 Abnormal Psychology	3
Total Units	**20**
CSU General Education or IGETC Pattern	**37-39**
Transferable Electives (as needed to reach 60 transferable units)	
Total for degree	**60**

The following is required for all AA-T or AS-T degrees: 1. Minimum of 60 CSU-transferable semester units (unless the major is a designated "high unit" major). 2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information. 3. Completion of minimum of 18 semester units in an "AA-T" or "AS-T" major as detailed in the program section of the catalog for Sociology, Psychology or Communication Studies (see SPEECH). All courses in the major must be completed with a grade of C or better or a "P" if the course is taken on a "pass-no pass' basis (title 5 § 55063). 4. Certified completion of the California State University General Education-Breadth pattern (CUS GE Breadth) (see pg. 53 for more information); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern (see page 54-56 for more information).

PSYCH 1A General Psychology 3 units
Lecture: 54 hrs CSU/UC
C-ID: PSY 110
General introduction to psychology as a science. Topics include perception, learning, development, motivation, personality, abnormal behavior, and biological and social basis of behavior. (L)

PSYCH 7 Research Methods in Psychology 3 units
Lecture: 54 hrs CSU/UC
C-ID: PSY 200
This course covers the many research designs and methods in psychology, including descriptive, associative, and causal claims. The various instrumentation, collection procedures, data collection and analysis, and reporting procedures are also examined. Research methods and design will be surveyed from a wide section of psychological fields. Prerequisite: PSYCH 1A and STAT 1. (L)

Sign Language

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Student Learning Outcomes

- The student will be able to demonstrate the ability to carry on a sign language conversation consistent with the ability of a third semester language learner with a deaf individual or group of deaf individuals.
- The student will be able to analyze the impact on a deaf person's life in the following areas: world of work, education, family, language and social development.

SIGN 1 Sign Language Studies 1 4 units
Lecture: 72 hrs CSU/UC UC-Unit Limit
Introduction to the visual-gestural processes of sign language. This course provides instructional activities for people who wish to become competent in communicating with deaf people. Emphasis on nonverbal communication. (L)

SIGN 2 Sign Language Studies 2 4 units
Lecture: 72 hrs CSU/UC
Non-verbal communication skills utilizing syntactical and finger spelling of multi-syllable words. Prerequisite: SIGN 1. (L)

SIGN 3 Sign Language Studies 3 4 units
Lecture: 72 hrs CSU/UC
Continuation of ASL verbal comprehension skills. Study of advanced grammatical structures; Emphasis on expressive skills of deaf culture. Prerequisite: SIGN 2. (L)

SIGN 61 Basic Vocabulary and Finger Spelling 2 units
Lecture: 36 hrs
The art of communicating with persons who are deaf by means of finger spelling and basic signing. May be taken concurrently with Sign 1 or as an introductory course to American Sign Language. (L)

Social Science

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Degree Offered: A.A.- Social Science

This degree is designed to prepare students for a Bachelor of Arts degree and to provide subject matter preparation for the Single Subject Teaching Credential in Social Science.

SOCIAL SCIENCE
(Associate in Arts)

Required Courses	**Units**
ANTHR 1 Physical Anthropology OR 2 Cultural Anthropology	3
ECON 1A Elementary Economics-Macro	3
GEOG 1 Physical Geography OR GEOG 2 Cultural Geography	3
POLSC 1 Introduction to Political Science	3
PSYCH 1A General Psychology OR SOCIL 1 Introduction to Sociology	3
Any History Class	3
Total units required for degree major	**18**

Sociology

Contact: Dean of Instruction
Phone: (530) 661-5714
Counseling: (530) 661-5703

Degrees Offered: A.A. Sociology, A.A.-T. Sociology

Sociology is the study of society and how individuals' lives are shaped by the larger social structure. Sociologists study a wide range of topics, including inequality, race, gender and sexuality, family, media, crime and deviance, government, social policy, and religion.

The Sociology Program at WCC offers a range of courses that fulfill general education and transfer requirements and prepare students for further study in Sociology leading to BA, MA, MSW and/or Ph.D. degrees. Sociology provides students with career opportunities in education, criminology and law, social work, urban planning, and public policy. Most career options require more than two years of college study.

Students may choose between an Associate's Degree (AA) or an Associate's Degree for Transfer (AA-T), which is designed specifically for students planning to transfer to the CSU system.

SOCIOLOGY
(Associate in Arts)

Required Courses	**Units**
SOCIL 1 Introduction to Sociology	3
SOCIL 2 Social Problems	3
SOCIL 8 Social Science Research Methods	3
Topical Courses - Choose two (6 units):	
SOCIL 5 Sociology of Race and Ethnicity	3
SOCIL 6 Sociology of Sex and Gender	3
SOCIL 10 Sociology of Marriage and Family	3
Elective - Choose one (3-4 units):	
SOCIL 3 Critical Thinking in Social Science	3
STAT 1 Introduction to Statistical Methods	4
OR	
Any course not selected above.	
Total Units	**18–19**

COMMUNICATION STUDIES
(Associate in Arts for Transfer)

The WCC Speech Communication Studies program is designed to nurture an understanding and examination of the crucial role of communication in human relationships, cultures, society, and civic affairs, as well as, developing students' personal and professional communication skills.

The Communication Studies program at WCC offers curriculum that provide students with a foundation in communication theory and practice. Courses offered in this program fulfill general education and transfer requirements that prepare students for further study that may lead to BA, MA, and/or other advanced degrees. Communication Studies provide students various employment opportunities in many diverse industries such as: business and business management, government, not-for-profit, human resources, education, marketing, and manufacturing.

Students may choose between an Associate's Degree (AA) or an Associate's Degree for Transfer (AA-T), which is designed specifically for students planning to transfer to the CSU system.

Required Courses	**Units**
Group A - Core Courses (6 Units):	
SPECH 1 Public Speaking	3
SPECH 3 Argumentation	3
Group B - Communication in Context (9 Units):	
SPECH 6 Group Communication	3
SPECH 7 Interpersonal Communication	3
SPECH 8 Intercultural Communication	3
Group C - Choose One (3 units):	
SPECH 2 Oral Interpretation of Literature OR SOCIL 1 Introduction to Sociology	3
Total units required for degree major	**18**
Total units that can be double counted	**18**
CSU General Education or IGETC Pattern	**37-39**
Additional transferable elective units (if needed)	**21-23**
Degree total	**60**

In addition to the major requirements, students seeking an AA-T must fulfill CSU GE-Breadth or IGETC requirements, complete 60 units of CSU transferable coursework, and complete all degree-applicable courses with a C or better. Note that all courses required for the major are CSU transferrable and can count towards the 60 units and the GE-Breadth or IGETC requirements.

SPECH 2 Public Speaking 3 units
Lecture: 54 hrs CSU/UC

Principles of effective oral communication applied to several public speaking assignments which emphasize the development of support and organization of ideas, audience analysis, public speaking anxiety, and effective delivery styles. Prerequisite: ENGL 51 or qualifying score on Placement Examination. (L)

SPECH 2 Oral Interpretation of Literature 3 units
Lecture: 54 hrs CSU/UC
C-ID: COMM 170

Introduction to the analysis and interpretation of literature for oral reading. The course encourages a deeper, richer experience of prose, poetry, and drama and enables the student to share the love of literature in the oral tradition. Prerequisite: ENGL 51. Not open for credit to students with credit in ENGL 2.

SPECH 3 Argumentation and Critical Thinking 3 units
Lecture: 54 hrs CSU/UC
C-ID: COMM 120

General approach to rational decision making and argumentative analysis including structuring written and oral arguments and rebuttals, gathering relevant evidence for arguments, and identifying logical fallacies. (L)

SPECH 6 Small Group Communication 3 units
Lecture: 54 hrs CSU/UC
C-ID: COMM 140

Study of communication theory in small group situations. Emphasis will be placed on researching, organizing, and delivering oral presentations. Investigation of the role of communication in various group processes, problem-solving, leadership, team-building, decision-making and conflict. (L)

SPECH 7 Interpersonal Communication 3 units
Lecture: 54 hrs CSU/UC
C-ID: COMM 130

Study of communication skills associated with establishing and maintaining satisfying interpersonal relationships. Various approaches to effective communication in multiple interpersonal contexts will be discussed. Factors influencing interpersonal communication are analyzed, such as: language, perception, non-verbal, and communication climate. (L)

SPECH 8 Intercultural Communication 3 units
Lecture: 54 hrs CSU/UC
C-ID: COMM 150

The study of intercultural communication theory relates to perception, context, language, verbal, nonverbal messages and adaptation. Emphasis will be placed on developing effective intercultural communication skills. Students will demonstrate effective intercultural communications skills by oral presentations, group/interpersonal interactions. (L)

SPECH 15 Business and Professional Communication 3 units
Lecture: 54 hrs CSU

This course is designed as an overview of business and professional communication in various settings including day-to-day interactions, group discussions, written documents, formal presentations, and job interviewing. Practical application of skills for effective business and professional communication is emphasized, including the development of self-confidence and ease in the workplace. (L)