

WEST HILLS COMMUNITY COLLEGE DISTRICT

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CATALOG
2002 - 2003

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WEST HILLS COMMUNITY COLLEGE DISTRICT

1-800-266-1114

www.westhillscollge.com

BOARD OF TRUSTEES

Jeff Levinson, President
Jack Minnite, Vice President

Nina Oxborrow, Clerk
Steve Cantu

Bill Henry
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West Hills College Coalinga
300 Cherry Lane
Coalinga, CA 93210
559-934-2000

West Hills College Lemoore
555 College Avenue
Lemoore, CA 93245
559-925-3000

North District Center
1511 Ninth Street
Firebaugh, CA 93622
800-266-1114 ext. 2980

Naval Air Station Lemoore
(NASL) Office
Training Building A
NAS Lemoore, CA 93246
559-925-3350

DISTRICT ADMINISTRATION

Dr. Frank Gornick, Chancellor
Mr. Jack Mahrt, Vice Chancellor of Business Services

WEST HILLS COLLEGE COALINGA

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Ms. Berta Felix-Mata, Dean of Student Services
Dr. Beverly Smith, Dean of Educational Services

WEST HILLS COLLEGE LEMOORE

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Social Science Marcia McCormick
Trades & Technology Bob Gibson
Public Services Pat Kraft-Chapman
Basic Skills Jacqueline Shehorn
Non-Teaching Faculty Kathy Trezza

WEST HILLS COLLEGE

INSTRUCTIONAL CALENDAR

2002-2003

SUMMER SESSIONS

May 28 - August 12	(T, M)	Instruction Begins/Ends
June 10 - August 12	(M, F)	Instruction Begins/Ends (8 week classes)
June 10 - July 19	(M, F)	Instruction Begins/Ends (6 week classes)
June 3 - June 28	(M, F)	Instruction Begins/Ends (1st 4 week classes)
July 8 - August 2	(M, F)	Instruction Begins/Ends (2nd 4 week Classes)

FALL SEMESTER

August 13	(T)	Faculty Flex Day, no classes
August 14	(W)	Duty Day, no classes
August 15	(TH)	Instruction begins
September 2	(M)	Labor Day, no classes
October 4	(F)	Last day to petition to graduate
October 17	(TH)	Second 9 week classes begin
November 11	(M)	Veterans' Day, no classes
November 8	(F)	Last Day to withdraw with a "W"
November 28-29	(TH, F)	Thanksgiving, no classes
December 12-18	(TH-W)	Finals' Week
December 18	(W)	End of Fall Semester
		Total Instructional Days: 89

SPRING SEMESTER

January 9	(TH)	Faculty Flex Day, No classes
January 10	(F)	Duty Day, No classes
January 13	(M)	Instruction Begins
January 20	(M)	Martin Luther King Day, no classes
February 7	(F)	Lincoln's Birthday observed, no classes
February 17	(M)	Washington's Birthday observed, no classes
March 14	(F)	Last Day to petition to graduate
March 17	(M)	Second 9-week classes begin
April 11	(F)	Last Day to withdraw with a "W"
April 14-18	(M-F)	Spring Recess
May 19-23	(M-F)	Finals' Week
May 23	(F)	Commencement
May 23	(F)	End of Spring Semester
		Total Instructional Days: 86

ABOUT THIS CATALOG

Every effort has been made to assure the accuracy of the information in this class catalog. Students are advised, however, that such information is subject to change without notice and that the Board of Trustees of the West Hills Community College District and the Chancellor of West Hills College reserve the right to add or delete classes and to add, amend, or repeal rules, resolutions or policies within the administrative area of such officers, including registration dates and information. Courses listed herein may not be offered as a result of staff reductions, low enrollments, or State legislation and/or financial considerations. All classes are offered subject to sufficient enrollment to justify them economically. In those cases in which classes must be canceled for lack of enrollment, every attempt will be made to reschedule students to meet their needs. It is the policy of the West Hills Community College District that unless specially exempted by statute, every course section or class, the average daily attendance of which is to be reported for State funding, wherever offered and maintained by the District, shall be fully open to enrollment and participation by any person who has been admitted to the College and who meets such prerequisites as may be established pursuant to Education Code Title V section 58100. This class catalog is being distributed by the most cost-effective method available for West Hills College to meet an obligation to inform citizens about its courses and programs.

GENERAL INFORMATION

HISTORY

The establishment of a college for the Coalinga Union High School District was proposed in the spring of 1932. The official beginning of the Coalinga Extension Center of Fresno State College dates from October 3, 1932. In September 1941, Coalinga Junior College became an independent unit under the direction of the Governing Board of the Coalinga Union High School District. Construction of a new campus on Cherry Lane near the northern limit of the City of Coalinga was begun on October 3, 1955, and the buildings were occupied on September 13, 1956.

In November of 1961, the voters of Coalinga Union High School District approved the formation of a separate junior college district, and in June of 1962, the voters of Lemoore High School District voted to annex to the college district, as did voters of Riverdale and Tranquillity High School Districts in December of 1962. Effective July 1, 1969, the official name of the college was changed to West Hills College in keeping with the nature of the expanded district.

In order to effectively serve the college district, West Hills College built the North District Center in the city of Firebaugh in 1971. In 1979 the District purchased land in the City of Lemoore, and in 1981 a classroom building and an office were erected. This was the Kings County Center until January 2002. On September 26, 2000, the Board of Trustees signed and accepted the "Agreement of Donation of Land for the West Hills College Lemoore" a generous donation from Robert and Mardell Pedersen and Lionel and Lola Simas.

Opening its doors to students on January 14, 2002, West Hills College Lemoore features 18 classrooms, a state-of-the-art science wing called a Collaboratory, the largest and most technologically advanced library in Kings County, a multipurpose center, a full-service student services and administration building, as well as an outdoor amphitheater for students and community members.

ACCREDITATION

West Hills College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, 3402 Mendocino Avenue, Santa Rosa, CA 95403 (707) 569-9177, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. This is an institutional accrediting body recognized by the Council on Postsecondary Accreditation and the U.S. Department of Education. It is listed in the Directory of the Western Association of Schools and Colleges and in the Accredited Institutions of Postsecondary

Organizations, 1990-91, a publication of the American Council on Education.

West Hills College is a member of the California Association of Community and Junior Colleges, and the American Association of Community and Junior Colleges. The college is approved by the United States Immigration and Naturalization Service to accept international students.

MISSION STATEMENT

West Hills College provides a world-class learning environment to a diverse population in a down home friendly atmosphere. ¡Mi escuela es su escuela!

VISION STATEMENT

West Hills College will become the preferred choice for college in the San Joaquin Valley because of our learning-centered approach, faculty and staff excellence and technological innovations. An education at West Hills College provides a stepping stone to the future, proving that "once you go here, you can go anywhere."



ADMISSIONS

ENTRANCE REQUIREMENTS

To enroll at West Hills College, a student must satisfy one of the following requirements:

1. High school graduation.
2. Successful completion of the California High School Equivalency Examination or G.E.D.
3. Attainment of adult status, 18 years of age.
4. Recommendation of the principal of high school student is attending and parental permission.

APPLICATION FOR ADMISSION

Applications for admission may be obtained at the following locations:

- West Hills Community College District (website at www.westhillscollge.com)

High school transcripts and transcripts from other colleges attended must be on file with West Hills College. Students with transcripts from institutions outside the United States should contact the West Hills College Office of Admissions and Records for information on transcript evaluation. The student must notify the institution previously attended to mail official transcripts directly to the Admissions and Records Office.

FEES

The Legislature of the State of California has made it mandatory for West Hills College to charge a California Community College fee of \$11.00 per unit effective fall semester 1999. This fee is subject to change by the Legislature. California Education Code Section 72252 (amended, effective 1/1/90) allows exemption from the enrollment fee to any dependents, or surviving spouse who has not remarried, or any member of the California National Guard, who, in the line of duty and while in the active service of the state, was killed, died of a disability from an event that occurred while in active service of the state, or who is permanently disabled as a result of an event that occurred in the active service of the state. In addition, the college is mandated to charge an out-of-state tuition fee for those students who do not qualify as California residents (See non-resident tuition).

Cost of student textbooks, supplies, and membership in the Associated Student Body may average \$250 to \$300 per semester. A considerable savings is possible through the purchase of used textbooks from the college bookstore.

Active military personnel applying for Tuition Assistance which pays for 75% of the registration fees must submit a completed authorization form to the college prior to registration; otherwise, registration fees must be paid in full. For more information, call (559) 925-3352.

NON-RESIDENT/INTERNATIONAL STUDENT TUITION

A student classified as a non-resident/international student shall be required to pay non-resident tuition. The fee for non-residents is \$141.00 per unit. Non-resident/international students must also pay an additional \$12.23 per unit non refundable capital outlay fee, \$11.00 California Community College fee per unit and a \$100.00 one-time non-refundable processing fee.

REFUND OF ENROLLMENT FEES AND TUITION

Refund or reversal of enrollment fees and tuition shall be made as follows: (Refund must be requested by the student.)

Full Semester Classes, 16-18 weeks

1. Withdrawal during the first two weeks of instruction: 100% refund.
2. Withdrawal after the second week of instruction: no refund.

Short-term Classes

1. Withdrawal during the first 10% of the course length: 100% refund.
2. Withdrawal after 10% of course length: no refund.

MATERIALS' FEES

Required instructional materials of continuing value outside the classroom must be paid for by the student. These are tangible materials that are essential to satisfaction of course objectives, have value to the student outside the classroom, belong to the student, and may be taken home. These materials include, but are not limited to, such items as textbooks, workbooks, syllabus, computer disks, tools, uniforms, and canvases. They also include material, such as clay, that can be transformed into materials of lasting value.

Students are advised to provide certain instructional materials of an optional nature will enhance a student's learning experience in the classroom that are not essential to completion of course objectives.

Some classes require a fee for instructional materials. These fees are for the types of materials described above. When such fees are charged, the materials for which the fees are levied are supplied at district cost.

NOTE: All fees must be paid in full at registration and are subject to change without advance notice by the Board of Trustees of

West Hills College. A full refund will be given to students if they completely withdraw from a class the last day of registration before classes begin or if the classes are canceled by the college.

CLASSIFICATION OF STUDENTS

Freshmen

Students who have completed fewer than 30 semester units.

Sophomores

Students who have completed 30 or more semester units, but who have not yet been awarded an associate degree or higher degree.

Full-Time

Students enrolled for 12 or more semester units of college credit.

Part-time

Students enrolled for fewer than 12 semester units of college credit.

PLACEMENT TESTS

Placement tests to assess writing, reading and math skills are administered to each entering student. The results of these tests are used to assist students and counselors in the selection of college classes. These tests are not entrance examinations and they will not prevent any prospective student from admission to the college.

A schedule of testing times and dates will be printed in the schedule of classes and made available prior to registration each semester at each location. For more information on placement testing please contact:

West Hills College Coalinga Counseling office
934-2320

West Hills College Lemoore Counseling office
925-3320

Lemoore Naval Air Station Center
925-3350

North District Center, Firebaugh
934-2957

PLACEMENT TESTING EXEMPTION POLICY

The following students are exempt from placement testing:

1. Students who have met the prerequisites of a course they intend to enroll in by earning a grade of C or higher in a lower-level course at West Hills College or in an articulated course from another educational institution.
2. In all cases, the exemption for assessment listed above is available only to students who provide official records or transcripts to the Director of Admissions and Records before registration.

RESIDENCE ELIGIBILITY

A. Adults

Resident

A "resident" is a student who has resided in the State of California for more than one year immediately preceding the residence determination date and who has demonstrated intent to be a California resident with financial independence. Student must apply for residency in the Admissions and Records Office.

Non-Resident

A "non-resident" is a student who does not have legal residence in the state at the time of the residence determination date.

B. Minors

The residence of the parent with whom the minor child resides is considered the legal residence of that minor child.

The residence of an unmarried minor who has a parent living cannot be changed by his/her own act, by the appointment of a legal guardian, or by relinquishment of a parent's right of control. A married minor may establish his/her own residence.

Residency status is allowed for a student who, (1) has not been an adult resident of California for more than one year, and (2) is either the dependent child of a California resident who has not had residence for more than one year prior to the residence determination date, or has a parent who has both contributed court-ordered support for the student on a continuous basis and has been a California resident for a minimum of one year. The exception continues until the student has been in the state the minimum time necessary to become a resident (one year from time of California entry), so long as continuous attendance is maintained at the college.

C. Active Duty Military

A student who is a member of the armed forces of the United States stationed in this state on active duty, except a member of the armed forces assigned for educational purposes of state supported institutions of higher education, is entitled to resident classification.

D. Military Dependents

A student who is a natural or adopted child, stepchild or spouse who is a dependent of a member of the armed forces of the United States stationed in this state on active duty shall be entitled to resident classification until he/she has resided in the state the minimum time necessary to become a resident. The minimum time necessary to become a resident for California Community College tuition purposes

is one year and one day preceding the semester for which the student is applying. If that member of the armed forces of the United States, whose dependent natural or adopted child, stepchild or spouse is in attendance at an institution, (1) is therefore transferred on military orders to a place outside this state where the member continues to serve in the armed forces of the United States or, (2) if thereafter retired as an active member of the armed forces of the United States, the student dependent shall not lose his or her residence classification until he or she has resided in the state the minimum time necessary to become a resident.

E. United States Bureau of Indian Affairs

California Education Code Section 68077 (amended 1993): A student who is a graduate of any school located in California that is operated by the United States Bureau of Indian Affairs, including but not limited to, the Sherman Indian High School, shall be entitled to resident classification. This exception shall continue so long as continuous attendance is maintained by the student at an institution.





ACADEMIC REGULATIONS

STUDENT STUDY-LOAD REGULATIONS

The California Education Code defines a college semester unit as one lecture hour of class plus two hours of study per week per semester. For one laboratory hour, a college unit represents three hours of work in laboratory or in comparable experience under classroom supervision.

A normal schedule of 15 semester units assumes the average student will devote approximately 45 hours per week to class attendance and preparation.

Dean of Students' approval is required for programs of more than 18 semester units. If a student wishes to appeal a decision, he or she may do so by contacting the Dean of Students, who will then meet with the student's counselor to render a final decision.

REMEDIAL COURSEWORK LIMIT POLICY

West Hills College offers remedial coursework through pre-collegiate basic skills courses in reading, writing, learning skills, study skills, mathematics, and English as a Second Language. These courses are designated as non-degree applicable credit courses.

A student's need for remedial coursework shall be determined by the student's counselor through the use of appropriate assessment instruments. Once enrolled, no student shall attempt and/or receive more than 30 semester units of credit for remedial coursework at West Hills College. A new student who does not attain full eligibility status for college level work within this unit limit shall be dismissed and referred to adult, non-credit education courses.

The following students are exempted from the limitation on remedial coursework:

1. Students enrolled in one or more courses of English as a Second Language.
2. Students identified by the Disabled Student Program Services as having a learning disability.

After attempting and/or completing 30 semester units of remedial coursework and showing satisfactory progress by maintaining 2.00 cumulative grade-point average, students may be allowed additional units of remedial coursework upon petition to the Curriculum Academic Review Committee. If a waiver of the 30 unit limit is granted, the committee will specify the additional course (s) in which the student may enroll.

CREDIT/NO CREDIT CLASSES

Students planning to transfer to a four-year college or university should take classes for a letter grade because the CR/NC option generally will not transfer.

A student attending West Hills College may elect to take up to a maximum of 15 semester units of work on a CR (Credit)/NC (No Credit) basis. For CIS/Business programs, a maximum of twelve (12) units will be allowed towards the associate degree or certificate. Only selected courses are offered on this basis. A student must select the Credit/No Credit option in a class by the end of the fourth week of the semester. Under the CR/NC policy, if a student successfully completes the course requirements, he/she will be granted credit and will receive units but no grade points. If the student does not successfully complete the course requirements, he/she will not be charged units attempted nor will he/she receive grade points.

This policy is designed primarily to permit the student to explore areas of curriculum with which he/she is not familiar without jeopardizing his/her grade point average.

See course descriptions for courses offered under this option.

ADDING/DROPPING A CLASS

1. A student may make program changes during the first week of instruction.
2. A student may add a class by using Falcon Express or by completing a West Hills College Change of Program form in consultation with his/her counselor or advisor and return the form to the registration personnel.
3. To drop a class a student may use Falcon Express or by complete a Change of Program form in consultation with his/her counselor/advisor and return the form to the registration personnel. Faculty will be notified of the drop by registration personnel. A course may be dropped during the first three weeks of instruction without a notation appearing on the transcript. A grade of W will be assigned from the fourth week through the end of the 13th week. If the student remains enrolled in a class through the beginning of the 14th week, then a grade other than W must be assigned. A student is not officially enrolled or dropped from a class until completing a registration process using Falcon Express or by completing a Change of Program Form. It is the student's responsibility to drop a class in which he/she no longer wishes to be enrolled.

CLASS CANCELLATIONS

Courses listed in the Schedule of Classes may be cancelled due to low enrollment. If a class is cancelled, fees will automatically be refunded. Every effort will be made to schedule students into other classes. Early registration and attendance at first class meetings will help prevent scheduled classes from being cancelled.

ATTENDANCE

Students are expected to attend all sessions of each class in which they are enrolled. Excessive absences may result in the student being dropped from his/her class. If unusual circumstances prevent the student from attending, he/she should notify the Admissions and Records Office. However, the decision to retain a student in class is the decision of the instructor. Students who do not attend the first class meeting may be dropped by the instructor as a no-show. To assure no grade penalty for the course, the student should file a drop form in the Admissions and Records Office. Students are responsible for insuring that they are dropped from class. No person may attend or participate in a class without being properly enrolled.

EXAMINATIONS

Final examinations are required in all courses. Students are expected to take the examinations at the regularly scheduled times.

GRADING STANDARDS

Pursuant to Section 51306 of Title 5, the grading practices of the district shall be as follows:

Grade Symbol	Definition	Points
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Passing, less than satisfactory	1
F	Failing	0
CR	Credit (at least satisfactory—units awarded; not counted in grade point average)	
NC	No Credit (less than satisfactory or failing—units not counted in grade point averages)	
I	Incomplete (shall not be used in calculating units attempted nor for grade point averages)	
IP	In Progress (a student may receive an IP grade when the class extends beyond the normal end of the semester. An appropriate evaluation grade shall be assigned when all course work has been completed within the following college semester)	
RD	Report Delayed (shall be assigned only by the Dean of Students and will not be used in calculating grade point averages)	

W..... Withdrawal (shall not be used in calculating grade point averages)
MW .. Military Withdrawal

CR (CREDIT)/NC (NO CREDIT) GRADE

1. A CR (credit) indicates a grade of C or better.
2. The CR grade will not be included in computing the student's GPA.
3. The student will decide no later than the end of the fourth week of instruction whether he/she wishes to take the course on a CR/NC basis or on the conventional grading system basis—a letter grade of ABCDE.
4. For credit toward his/her AA or AS degree, a student will not be permitted to take more than fifteen (15) units on the CR/NC basis or twelve (12) units if majoring in the CIS/Business program.

IN PROGRESS (IP) GRADES

Instructors assigning an In Progress (IP) grade will be required to submit a "present status" grade at the end of the first term. The student must then enroll in the course and complete all course work during the following semester. Should the student not re-enroll and complete the course work within the following semester, the "present status" grade will be entered on the student's transcript.

INCOMPLETE GRADE (I)

Incomplete academic work for unforeseeable emergency and justifiable reasons, at the end of the term may result in an I grade being entered in the student's record. The condition for removal of the I shall be stated by the instructor in a written record. The record shall contain the conditions for the removal of the I and the grade assigned in lieu of its removal. Grades of "Incomplete" will not be issued unless the student has completed at least 75% of the coursework required. This record must be given to the student with a copy on file with the Admissions and Records Office until the I is made up or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated by the instructor, or when the time limit for completing the work has passed.

The I must be made up no later than one year following the end of the term in which it was assigned.

A student may petition in writing to the Curriculum Academic Review Committee for a time extension (one semester only) due to unusual circumstances.

WITHDRAWAL GRADE (W)

A student may withdraw from a class or classes prior to the end of the thirteenth week or prior to attending 70% of the class sessions of a short term course and receive a grade of W (Withdrawal). If a student remains enrolled in a class through the beginning of the fourteenth week, then a grade other than a W must be assigned.

MILITARY WITHDRAWAL (MW)

Military withdrawal occurs when a student who is a member of an active or reserve United States military service receives orders compelling a withdrawal from courses. Upon verification of such orders, a withdrawal symbol may be assigned at any time after the period established by the Governing Board of West Hills Community College District during which no notation is made for withdrawals. The withdrawal symbol so assigned will be MW. Military withdrawals shall not be counted in progress probation and dismissal calculations. In all cases, verification of orders compelling a student to withdraw from courses must be filed in the Office of Admissions and Records before the MW symbol will be assigned.

GRADE POINT AVERAGE (G.P.A.)

To graduate from West Hills College, a student must attain a 2.0, or C grade point average. Scholastic standing is determined by dividing accumulated grade points by the number of units attempted. In addition, a G.P.A. of 2.0 must be maintained within the major.

GRADE CHANGES

To conform to the provision of Section 55760(a) of the California Administrative Code, Title 5, the determination of the student's grade by the instructor shall be final in absence of mistake, fraud, bad faith or incompetency. The following policies apply to changes of grades except for changes of Incomplete (I) and Withdrawal (W) grades.

1. In general, all course grades are final when filed by the instructor at the end of the term. These grades become a part of the student's permanent record.
2. A change of grade shall not occur as a consequence of the acceptance of additional work or re-examination beyond the specified course requirements.
3. A request for a grade change shall be initiated by the student affected or by the instructor within the next regular semester following the award of the original grade. If the instructor determines that there is a valid basis for the grade change, a grade change form shall be used to notify the Office of Admissions and Records. If the instructor determines that

there is not a valid basis for the change and denies the student's request, the instructor's decision, subject to the Student Grievance Procedure is final.

4. The change of grade form must be completed by the instructor, signed by the Dean of Educational Services and submitted to the Office of Admissions and Records. Once the change of grade is processed, students shall be notified by the Office of Admissions and Records.

PREREQUISITE/COREQUISITE POLICY

It is the intent of West Hills College to guide students into courses in which they will have the greatest chance for academic success. West Hills College requires students to successfully complete prerequisites/corequisites as pre-enrollment preparation. (*Successful completion is defined as a grade of C or better for the minimum prerequisite/corequisite requirement.*) It is the student's responsibility to be certain that they have met the necessary prerequisite(s) for any course taken. The student may be dropped from any class where it is verified that the necessary prerequisite has not been taken.

Whether or not a prerequisite is specifically stated, the instructional staff of West Hills College assumes that each student who enrolls in a transfer-level course possesses sufficient competencies in the areas of reading, writing, and math to be able to benefit from instruction.

The student will find courses that have prerequisites, corequisites, or strongly recommended preparation in their descriptions. Definitions follow:

1. **Prerequisite** is a course requirement that a student must meet in order to demonstrate current readiness for enrollment in a course or educational program.
2. **Corequisite** means a course that a student is required to take simultaneously in order to enroll in another course.
3. **Strongly recommended preparation** means a student is advised, but not required, to meet certain conditions before or in conjunction with a course or educational program.

Prerequisites/corequisites listed in the catalog and the schedule of classes, include:

1. Courses for which specific prerequisites/corequisites have been established.
2. Sequential course work in a degree-applicable program.
3. Courses in which an equivalent prerequisite/corequisite exists at a four-year transfer college or university.

Questions about prerequisites/corequisites should be resolved with a counselor or instructor prior to the first day of class.

PREREQUISITE/COREQUISITE CHALLENGE PROCEDURE

Any prerequisite/corequisite may be challenged by a student. It is advised that a counselor/advisor is seen to discuss this procedure. The forms may be obtained from the counseling/advising staff and will explain what must be done. Criteria for challenging a course may be:

1. Knowledge or ability to succeed in the course without the prerequisite/corequisite.
2. The course that provides the prerequisite/corequisite is not readily available.
3. Belief that the prerequisite/corequisite is discriminatory or being applied in that manner.
4. The prerequisite/corequisite at another institution has been met, but transcripts are not on file in the Office of Admissions and Records.

There are deadlines in which the prerequisite/corequisite challenge must be met in order to enroll. The challenge will be reviewed after the challenge procedure has been completed. The student will be informed in writing of the determination of the challenge promptly, in some cases within five working days.

LIMITATION ON ENROLLMENT

Enrollment may be subject to limitations based on reasons of:

1. Health and safety, or
2. In cases of intercollegiate competition, honors courses, or public performance courses, allocation of available seats to those students judged most qualified and providing such courses are not core requirements for a major or a general education requirement for which there is no other course available; or
3. One or more sections of a course are limited to a cohort of students when other sections of the same course are available for open enrollment.

CHALLENGE OF A LIMITATION ON ENROLLMENT

Any limitation on enrollment may be challenged by a student on the grounds listed below. The student shall bear the initial burden of demonstrating that grounds exist for the challenge. If space is available in a course when a student files a challenge to the limitation on enrollment, West Hills College shall allow the student to enroll in the course. West Hills College shall resolve the challenge in a timely manner. If the challenge is upheld, the student shall be allowed to remain in the course. If no space is available in the course when a challenge is filed, the challenge shall be resolved prior to the beginning of registration for the next term.

GROUND FOR CHALLENGE OF A LIMITATION ON ENROLLMENT

A student may challenge a limitation on enrollment in a course if:

1. The course is required in order for the student to receive a degree or certificate and no other course is offered during the semester of the challenge to meet the requirement, and
2. The student's graduation from the degree or certificate program will be delayed if he/she is unable to enroll in the course during the semester of the challenge.

PROCEDURES FOR CHALLENGING A LIMITATION ON ENROLLMENT

1. Submit a Petition to Challenge a Limitation on Enrollment to the Admission and Records Office no later than the first day of the semester in order to receive a decision by the fifth day of the semester.
2. Attach a current Student Educational Plan indicating that the course is required to receive a degree or certificate. You must prove that your graduation will be delayed by one or more semesters if you are not allowed to enroll in the course.

COURSE REPETITION

Certain courses are repeatable for credit. Such courses are identified in the catalog as repeatable in the course description with the number of times also indicated. Courses that are repeatable are approved for inclusion in this category on the following basis:

1. Skills or proficiency are enhanced by supervised repetition and practice or;
2. Active participation experience is a basic means by which learning occurs.

West Hills College monitors student enrollment in repeatable courses. Students enrolled in courses the permitted number of times will receive credit. Any student enrolled for more than the maximum number of times will be dropped. Students are urged to keep track of the number of times they repeat such courses. No prior warning can be provided by the college that the repetition limit has been reached.

If a student who has already completed a course with a grade of D, F or NC wishes to repeat the course, he/she may be permitted to do so. In these cases only, the student may repeat the course for which a D or F grade was issued, one (1) time only. The better of the two grades will be used in the cumulative grade point computation. Both grades will be recorded on the transcript, but units will be granted for only one course. The student should be aware that other colleges or universities may not treat a repeated

course in the same manner. If a student wishes to repeat the course more than one (1) time, the student must petition the Dean of Students.

COURSE REPETITION UNDER SPECIAL CIRCUMSTANCES

West Hills College may permit students to repeat courses for which substandard grades were not recorded. Repetition of such courses shall be permitted only upon petition of the student and with written permission of the Dean of Educational Services based upon findings that circumstances exist which justify course repetition. Such circumstances may be a significant lapse of time since the student previously took the course, significant changes in technology, methodology and content have occurred or a higher grade is required by a specific educational program. When a student is allowed to repeat courses under these circumstances, the student's permanent academic record shall be maintained in such a manner that all work remains legible, insuring a true and complete academic history. Grades awarded for courses repeated under the provisions of this policy shall not be counted in calculating a student's grade point average.

COMMUNITY SERVICE OPTION

A student who has taken a course designated as repeatable the total number of times allowed for credit may then opt, with instructor's permission, to repeat certain classes under the auspices of Community Service for no credit. Students are not allowed to enroll for the Community Service option until the second week of instruction. Instructor permission forms may be obtained in the Admissions and Records Office. Fees for students enrolled in the Community Service Option shall be \$15.00 per unit.

HONORS

PRESIDENT'S CITATION

A student will receive the President's Citation if twelve units or more are completed with a G.P.A. of 4.0 in one semester.

DEAN'S LIST

A student's name will be placed on the Dean's List if that student completes a total of twelve units or more with a G.P.A. of at least 3.0, with no grade below C, in one semester. Physical education activity classes and credit/no-credit classes are not considered in computing G.P.A. for eligibility for the Dean's List and President's Citation. Incomplete grades or credit-by-examination classes are not computed for eligibility.

ACADEMIC PROBATION

1. A student must maintain a C average, 2.0 G.P.A. on all attempted course work at West Hills College with 12 or more accumulated units, or he/she will be placed on academic probation.
2. A student transferring from another college with a grade point average of less than 2.0, with 12 or more units or who has been placed on probation by the college from which he/she has transferred, shall be placed on academic probation.
3. A student will be removed from academic probation when his/her accumulated grade point average at West Hills College is 2.0 or higher.

PROGRESS PROBATION

1. A student who has enrolled in at least 12 units will be placed on progress probation if one-third of those units receive grades of W, I, or NC.
2. A student will be removed from progress probation when he/she has less than one-third of the enrolled units with the grade of W, I, or NC.

ACADEMIC DISMISSAL

1. A student who is on academic probation shall be subject to dismissal if he/she has earned a cumulative grade point average of less than 1.75 in all units attempted in each of three consecutive semesters.
2. A student shall be subject to dismissal if he/she has failed to earn a grade point average of 1.0, D, or higher after the completion of twelve units.
3. Students who have been academically dismissed from West Hills College may return to West Hills College after staying out one semester.
4. Any student who is subject to academic dismissal who wishes to appeal should submit an appropriate letter to the Dean of Students.

PROGRESS DISMISSAL

1. A student who is on progress probation shall be subject to dismissal if the percentage of units in which he/she has enrolled and received grades of W, I, or NC in at least three consecutive semesters reach or exceed one-third of the attempted units.
2. Any student who has been subject to dismissal and wishes to appeal should submit an appropriate letter to the Dean of Students.
3. Students dismissed from West Hills College or any other community college for scholastic deficiency may apply for

readmission following a one-semester lay-out. Any student admitted after dismissal is on probation and must comply with the regulations in the above sections pertaining to Academic Standards.

WITHDRAWAL FROM COLLEGE

Any student leaving West Hills College at any time after registration must formally withdraw from the institution. A withdrawal petition must be obtained from the Counseling Office. It is the responsibility of the student to file the withdrawal petition with the Admissions and Records Office.

The student who discontinues work without formal withdrawal does so at the risk of having registration privileges curtailed and recommendations to another institution or employer denied, and of receiving a grade of F in classes in which he/she is enrolled.

All books and equipment belonging to the college must be returned or purchased from the college.

TRANSCRIPT OF RECORD

The West Hills College transcript is a duly certified record of all work completed or undertaken by the student at the college. Two transcripts are furnished free upon written request. For each additional transcript, the student is required to pay two dollars. Students must request in writing that their transcripts be sent. There will be a \$10.00 rush fee charged for transcripts issued within 24 hours of receipt of the request.

High school and college transcripts of record that are submitted to the Admissions and Records Office become the property of West Hills College and cannot be forwarded to other institutions.

ELECTION OF GRADUATION REGULATIONS

A student must fulfill degree requirements as stipulated in the West Hills College catalog. A student who maintains "continuous enrollment" may elect:

1. The catalog in effect at the time the student began attending a California public community college or California State University campus or any combination thereof, or
2. The catalog in effect at the time the student began attending West Hills College, or
3. The catalog in effect at the time the student is graduated from West Hills College.

Continuous enrollment is defined as being officially enrolled each semester during an academic year regardless of the number of units completed. Also, a student is considered to be in attendance

even if he/she registered and totally withdrew from the school during that semester/term as long as the official transcript so indicates. Active military duty will maintain a student's continuous attendance status providing the student returns at the first registration for fall/spring semester following release.

ACADEMIC RENEWAL POLICY AND PROCEDURES

1. The "Academic Renewal Policy and Procedures" agency shall be the Curriculum Academic Review Committee.
2. Grades of D, F, and NC, not reflective of the student's present scholastic level of performance, may be alleviated and disregarded in the computation of grade point averages. When academic work is alleviated, the permanent record shall be appropriately annotated in a manner to ensure that all entries are legible and that a true and complete record is maintained.
3. Up to 12 semester units of substandard (D, F, NC) course work at West Hills College may be alleviated.
4. Since completion of the work to be alleviated, the student must have completed a minimum of:
 - a. 24 semester units of course work with a GPA of 2.00 or
 - b. 18 semester units of course work with a GPA of 2.50 or
 - c. 12 semester units of course work with a GPA of 3.00
5. At least three years have elapsed since the course work to be disregarded was recorded.
6. The student petitions in writing to the Curriculum Academic Review Committee stating the reasons for requesting academic renewal.
7. The student states in the petition the specific courses to be considered under the academic renewal policy.
8. Whenever possible, students should repeat courses for which substandard grades were earned rather than seek academic renewal.

SPECIAL PROGRAMS

INTERNATIONAL STUDENTS' ADMISSION

West Hills College will accept a limited number of properly-qualified international students for admission each year. International student enrollment is limited to five (5) percent of the total day enrollment of the previous fall semester. Application deadlines are as follows: July 15 for fall semester courses and November 15 for spring semester courses.

In addition to the standard application form, the international student must meet the following requirements:

1. Be a graduate of an educational institution comparable to U.S. high schools.
2. Submit a letter of financial responsibility from a correspondent bank or from a U.S. citizen or from an American Embassy.
3. Be able to use the English language with a degree of proficiency that will enable the student to profit from instruction.
4. Give a reasonable guarantee that the student will not become a public charge, either for health or financial reasons. (Proof of health insurance will be required upon registration.)
5. Submit a complete transcript of previous secondary and college or university schooling. The transcript(s) must be an English translation.
6. Enroll in a minimum of twelve (12) semester units at West Hills College. The student will be allowed five (5) semesters to complete his/her objectives.
7. Tuition: International visa students will be required to pay non-resident tuition fees during their entire attendance even though they may have lived in the State of California for one year or more.

SERVICEMEN'S OPPORTUNITY COLLEGE

West Hills College is a Servicemen's Opportunity College and actively supports the philosophy and concepts of this designation as established by the American Association of Community Colleges.





NON-TRADITIONAL CREDIT

WEST HILLS COLLEGE CREDIT BY EXAMINATION POLICY

1. Only courses that are actively being taught may be challenged.
2. A maximum of 15 units may be earned through the credit by examination process.
3. Petitions must be filed through the Educational Services Office. Final approval of each petition is granted by the instructor concerned and the Dean of Educational Services.
4. The challenge examination option for course credit may be given at the discretion of the individual instructor.
5. The student, upon receiving approval to take an examination, will pay West Hills College \$12.00 for the first unit and \$6.00 for each successive unit of the course challenged.
6. Challenge examinations may be given only by full-time instructors who currently teach the course. In the event that the course is being taught completely by part-time instructors, the Dean of Educational Services will identify which part-time instructor will give the examination.
7. The student is eligible to petition if he/she is currently enrolled and has successfully completed twelve (12) units in residence at West Hills College. Successful completion is defined for this purpose as having a C (2.0) average.
8. Units for which credit is given pursuant to the provisions of this section shall not be counted in determining the 12 semester hours of credit in residence required by California Education Code Section 51623.
9. Credit may be granted only for a course listed in the current West Hills College catalog.
10. Normally, activity and performance courses will not be approved for credit by examination. Summer session courses and short term classes may not be challenged.
11. Students wishing to challenge a class in which they are currently enrolled must file a petition prior to the beginning of the third week of instruction. Upon approval of the petition, the student must drop the class.
12. Students wishing to challenge a class in which they are currently not enrolled must file a petition prior to the sixth week of instruction.
13. From the date of notification of approval, a maximum of four weeks will be allowed to pay the fee and complete the challenge.
14. Challenge of the same course will be allowed no more than twice. The required fee will be imposed on each challenge.

15. Letter grades A through F, unit value, and grade points will be entered on the transcript in the usual manner. Courses cannot be challenged on a credit/no credit basis. The instructor's grade with date of test will be filed in the permanent record section of the college.

ADVANCED PLACEMENT EXAMINATIONS

West Hills College will grant unit credit to those students who participate in the Advanced Placement Examinations offered by The College Board. Students will receive unit credit, not a letter grade, for scores of 3, 4 or 5 for purposes of general education requirements, graduation, and/or advanced placement into West Hills College courses. In order to receive credit, a student must be currently enrolled at West Hills College and have completed at least twelve (12) units of course work at West Hills College. Students must submit their requests AND have their official copy of the College Board test scores forwarded to West Hills College Office of Admissions and Records. Requests should be made prior to registration, or as soon as possible during the first semester of attendance. No duplication of credit will be allowed for students who complete or will complete any courses equivalent to those covered by the examination. *Students should understand that some transfer institutions do not allow and/or limit credit by examination.*

CREDIT FOR MILITARY SCHOOLS

In all cases, the American Council on Education (ACE) 'Guide to the Evaluation of Educational Experiences in the Armed Forces' will be followed:

1. West Hills College will award equivalent college course credit for Military Service Schools as recommended by the ACE Directory.
2. A maximum of twelve (12) semester units of elective degree credit may be awarded for those service schools that the ACE Directory recommends for specific lower division credit, but for which West Hills College does not offer a specific equivalent.
3. West Hills College will not award college credit for military rank.

In compliance with existing college policy, a student seeking an evaluation of Military Service School must first complete a minimum of twelve (12) semester units of actual classroom work with West Hills College.

There are two forms which are acceptable when requesting an

evaluation of Military Service Schools:

1. Application for the Evaluation of Educational Experience during Military Service (Form DD-295).
2. West Hills College Request for Evaluation of Military Record.

The counselor who evaluates the Military Service School records will notify students by letter of any credit received. If granted by West Hills College, such credit will be placed officially on the current transcript of the student. (See also page 29 Veterans for additional information).

CLEP (COLLEGE LEVEL EXAMINATION PROGRAM)

West Hills College allows a maximum of 24 semester units of credit which can be earned for successful completion of the College Level Examination Program (CLEP) - General Examinations at the 50th percentile or above. The English portion is not acceptable at West Hills College. Further information concerning this program is available in the Counseling Center.

TRANSFER OF COLLEGE UNITS TO HIGH SCHOOL

A high school non-graduate may choose to transfer college units to high school to satisfy the high school graduation requirements. The student should understand that high school graduation is not a requirement for admission to West Hills College for persons eighteen years of age or older and that course credit may be applied toward high school or college graduation, but not both. The student should check with the high school regarding the transfer of college units to the high school for graduation before enrolling in college courses. Courses used for high school credit may not be repeated for college credit.

DIRECTED STUDIES

Some course work may be completed through Contract Instruction. These "contracts" are usually designated as Directed Study Courses. The current numbering is Directed Study 49/99.

With the agreement of the instructor and administrative approval, a student may pursue advanced study after completing the introductory offerings in a particular field. Students, in cooperation with the instructor, prepare and execute a written contract that address the following: student's purpose, learning activities expected, methods and criteria for evaluation, contract beginning and ending dates, and unit-hours attempted. Signed

contracts must be on file in the Admissions and Records Office before credit will be granted.

AUDITING COURSES

Students may audit West Hills College classes by paying a \$15.00 per unit fee. No student auditing a course shall be permitted to change his or her enrollment in that course to receive credit for the course. Priority in class enrollment shall be given to students desiring to take the course for credit towards a degree or certificate. Students must have the instructor's permission to audit the class.



STUDENTS' RIGHTS AND RESPONSIBILITIES

CODE OF CONDUCT

West Hills College exists to educate individuals in its community. All other considerations are secondary. The college will not infringe on anyone's constitutional rights, and the right to dissent and to protest will be supported. However, the right to dissent and to protest must not be confused as a right to disrupt operation of the institution. No individual or group can be permitted to infringe on the rights of others to secure an education.

This general policy will apply to any student who deliberately prevents, physically or verbally:

1. Students from pursuing their authorized curricular or co-curricular interests.
2. Faculty and administrators from fulfilling their professional responsibilities.
3. Classified employees from fulfilling their prescribed duties.
4. Authorized guests from carrying out the presentations for which they were invited.
5. The safety of persons, or the security of college property.

In line with the above policy, the following are guidelines for acceptable student conduct. A student enrolling in West Hills College assumes an obligation to behave in a manner compatible with the college's function as an educational institution. Any student or applicant may be disciplined for any one or more of the following causes, when the discipline is related to college activity or attendance:

1. Any cause set forth in California Education Code Section 76033.
2. Dishonesty, including, but not limited to cheating, plagiarism, or knowingly furnishing false information to the college.
3. Unlawful forgery or malicious misuse of college documents, records or identification card, misrepresentation of oneself or of an organization to be an agent of the college, to the detriment of the district.
4. Willful and malicious obstruction or disruption of teaching, research, administration, disciplinary procedures, or other college activities including, but not limited to its community service functions, or of other authorized activities on or off college premises.
5. Physical abuse or threat of physical abuse on or off college property of any person or damage to the property of any member of the college community or family members or the threat of any such physical abuse.

6. Theft of, or damage to, property of the college or of a member of the college community or campus visitor while on college property or during an authorized college function.
7. Unauthorized entry to, or use of, college supplies, equipment and/or facilities.
8. Violation of college policies, including but not limited to, campus regulations concerning student organizations, the use of college facilities, or the time, place, and manner of public expression.
9. Knowing possession of, or use of, explosives, dangerous chemicals or deadly weapons on college property or at a college function without prior authorization of the college president or his/her designee.
10. Disorderly conduct or lewd, indecent, or obscene conduct or expression on college-owned or college-controlled property or at college-sponsored or college-supervised functions.
11. Failure to comply with lawful directions of college officials acting in the performance of their duties.
12. Possession or use of alcoholic beverages or illegal drugs or narcotics on college property, at any college-sponsored event, or appearance on campus or at any college-sponsored event while under the influence of alcohol or illegal drugs or narcotics.
13. Possession, while on a college campus or at a college-sponsored function, of any of the following weapons; including, but not limited to, any instrument or weapon of the kind commonly known as black-jack, sling shot, fire bombs, billy club, sandbag, metal knuckles; any dirk, dagger, firearm (loaded or unloaded, such as pistol, revolver, rifle, etc.); any knife having a blade longer than five inches, and switchblade longer than two inches; any razor with an unguarded blade used for unlawful purposes; any metal pipe or bar used or intended to be used as a club; or any item, such as a chain used to threaten bodily harm (except persons given permission by the college president or his/her designated representatives; members of law enforcement agencies, such as police officers).
14. Abusive behavior directed toward, or hazing of, a member of the college community.
15. Violation of any lawful order of the college president, notice of which has been given prior to such violation, and which order is not inconsistent with any of the other provisions of the policy.
16. Unlawfully assisting another to do any act that would subject a student to expulsion, suspension, probation, or other discipline pursuant to this policy.
17. Attempting to do any of the causes identified above.

DRUG ABUSE POLICY

For the protection of other students at West Hills College, and in compliance with Section 10603 of the California Education Code, the Dean of Students is authorized to expel or suspend a student whenever it has been established to the satisfaction of the Governing Board of West Hills College, and the Chancellor, as the case may be, that the student has on college premises used, sold, or been in possession of alcohol, narcotic or other hallucinogenic drugs or substances, or has on college premises inhaled, or breathed the fume of, or ingested any poison.

AFFIRMATIVE ACTION

The West Hills Community College District under the approved Faculty and Staff Diversity Plan is committed to the concept and principles of affirmative action in providing equal opportunity in education and employment for all persons and to prohibit discrimination based on race, sex, color, religion, age, national origin, disability, marital status, Vietnam-era veteran status, or sexual orientation. This commitment applies to every aspect of education and personnel policies and practices in employment, development, advancement, and treatment of employees, students and the general public.

La Institucion de West Hills College cumple con la Accion Affirmativa y la Igualdad de Oportunidades en la politica, los procedimientos y la practica que tienen que ver con el empleo, la accesibilidad, y la admision de estudiantes.

ADMINISTRATIVE PROVISIONS FOR CHANGES OR WAIVERS

West Hills Community College District reserves the right to change any provisions or requirements at any time within the student's term of enrollment at the college, and shall not be responsible for any interruptions in the student's educational program due to unforeseen circumstances beyond the control of the college.

Any regulation adopted by the administration of the college, and approved by the Board of Trustees, shall have the same force as a printed regulation in the catalog and shall supersede, upon promulgation, by posting on official bulletin boards any ruling on the same subject which may appear in the printed catalog and other official bulletins of the college.

Students are responsible for meeting in full the requirement for graduation set forth in the college catalog. The West Hills College staff assists in the planning of a program, but the final responsibility for meeting the requirements for graduation rests with the student.

Students who desire a waiver to any West Hills College graduation policy or procedure should put their request in writing to the Dean of Educational Services.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

All student records of West Hills College are kept in accordance with the provisions of the Family Education Rights and Privacy Act of 1974.

Students may request access to those campus records which personally identify the student; the student may challenge the accuracy of the record or the appropriateness of its retention in the campus records. Student consent is needed for the release of records covered by the Act to outside parties (e.g., prospective employers), except for those agencies entitled to access under the provisions of the Act (e.g., campus officials, other schools, federal educational and auditing officers, and requests in connection with the application or receipt of financial aid). These provisions apply to records received and used after November 19, 1974.

A student may request a copy of a record that the student has consented to being released.

The Act authorizes West Hills College to regard the following information as "Directory Information" and to release this information without student consent: student's name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student.

If a student does not wish any or all directory information released without his/her consent, he/she must inform the Admissions and Records Office in writing within ten (10) days after classes begin. Forms are available in the Admissions and Records Office.

To inspect, review, or challenge any of their educational records, students must make such a request in writing to the Dean of Students.

Under the Family Educational Rights and Privacy Act (FERPA), the rights currently held by parents transfer to the student once the student enters a post-secondary institution, without regard to the student's age. Students at the post-secondary institutions have the right to inspect and review their education records. Under FERPA, schools may, but are not required to, provide parents of students who are dependent for tax purposes access to the student's education records.

Particular questions with respect to a student's prerogatives under the Family Educational Rights and Privacy Act of 1974 should be directed to the office of the Dean of Students.

SEXUAL HARASSMENT POLICY

It is the policy of West Hills Community College District to prohibit sexual harassment in the workplace and in all programs and activities of the district. The Board of Trustees declares that it intends to act promptly, visibly, and vigorously in demonstrating a strong disapproval of sexual harassment.

SEXUAL HARASSMENT DEFINED. Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitutes sexual harassment when:

1. Submission to the conduct is explicitly or implicitly made a term or condition of an individual's employment, academic status, or progress.
2. Submission to, or rejection of, the conduct by the individual is used as the basis of employment or academic decisions affecting the individual.
3. The conduct has the purpose or effect of having a negative impact upon the individual's work or academic performance, or of creating an intimidating, hostile, or offensive work or educational environment.
4. Submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the district.

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

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

A copy of the district's sexual harassment policy and procedures may be obtained from the district's Human Resources Office.

STUDENT GRIEVANCE PROCEDURE

In order to protect the rights of individual students, the Board of Trustees of the West Hills Community College District has adopted certain due process procedures. If a student feels that they have been subjected to unjust action or denied their rights by a member of the academic community, the student can seek redress according to the West Hills College grievance procedure. Copies of these procedures may be obtained by any student from the Dean of Students' Office at any time during office hours.

POLICIES PROHIBITING DISCRIMINATION IN EDUCATION

It is the policy of West Hills Community College District not to discriminate on the basis of race, sex, color, religion, age, national origin, disability, marital status, Vietnam-era veteran status or sexual orientation. This policy extends to all programs and activities, as required by Federal Law, including Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Vietnam Era Readjustment Assistance Act of 1974, and the Americans with Disabilities Act of 1990. The DSPS Director/Counselor is the Section 504 Coordinator. The Director of Human Resources/Affirmative Action Officer is the Title IX Coordinator and the ADA Coordinator.

OFF CAMPUS MEETINGS AND FIELD TRIPS

Student Transportation - Throughout the school year many classes may meet at off campus locations. The college does not provide transportation to these sites and all transportation arrangements are the responsibility of each of the students enrolled in the class. Although district personnel may assist in coordinating this transportation and/or may recommend travel time, routes, caravan, etc., these recommendations are not mandatory. West Hills College is in no way responsible nor does West Hills College assume responsibility for any injuries or losses resulting from this non-college sponsored transportation. If you ride with another student, that student is not an agent of, or driving on behalf of, the college.

Voluntary Field Trips - Throughout the school year West Hills College may sponsor voluntary field trips and excursions in which students may want to participate. Be advised as stated in the California Code of Regulations, Sub-Chapter 5, Section 55450, if you participate in a voluntary field trip or excursion you are deemed to have held harmless the district, its officer, agents and employees from all liability or claims which may arise out of or in connection with your participation in this activity.



STUDENT SERVICES

Student services are an important and integral function at West Hills College. The college develops and offers a wide scope of support services dedicated to supplementing and complimenting instructional programs and providing educational and cultural resources to students, faculty, administrative staff, and the community.

Our goal is to recruit, retain, and graduate students. We believe that education that is accessible to all is a sound investment for the individual and the community. We want to ensure and facilitate student academic success by providing high quality supportive services responsive to the needs of our college's diverse population.

As a result of our vision and determination, Student Services is a leader and catalyst for change within West Hills College.

We are proud of the respect Student Services has earned throughout our district. We encourage students to utilize these services as a part of their goal for educational success.

COUNSELING

All students should consult a counselor to develop a Student Educational Plan if they:

1. Plan to pursue a certificate, associate degree or transfer program; or
2. Need to update their Student Education Plan to correct the major and/or educational goal; or
3. Need a current Student Educational plan for other departments (e.g. Financial Aid, Veterans, CalWorks etc.)

West Hills College counseling programs include the following:

1. Academic counseling, in which the student is assisted in assessing, planning and implementing immediate and long-range academic goals.
2. Career counseling, in which the student is assisted in assessing his/her aptitudes, abilities, and interests; the student is advised concerning the current and future employment outlook, and how to best prepare for an occupation.
3. Personal counseling, in which the student is assisted with personal, family, or other social concerns when the assistance is related to the student's education.

MATRICULATION

Matriculation is a process that brings a college and a student who enrolls for credit into an agreement for the purpose of realizing the student's educational goal. The agreement acknowledges responsibilities of both parties to attain those objectives through the college's established programs, policies and requirements.

On the college's part, the agreement includes providing an admission process; an orientation to college programs, services and procedures; pre-enrollment assessment and counseling for course selection; a suitable curriculum or program of courses; continuous follow-up on student progress with referral to support services when needed; and a program of institutional research and evaluation.

On the student's part, the agreement includes expression of at least a broad educational intent at entrance and willingness to declare a specific educational objective within a reasonable period of enrollment; diligence in class attendance and completion of assigned course work; and completion of course and maintenance of progress toward an educational goal according to standards established by West Hills College and the State of California.

The purpose of matriculation is to ensure access to appropriate programs and courses offered by community colleges to all students who can benefit, and to facilitate successful completion of student educational objectives in accordance with applicable standards of educational quality as determined by the Board of Governors and the Board of Trustees of West Hills Community College District.

The goals of matriculation include, but are not limited to, the following primary and subsidiary goals:

1. Student success
2. Institutional effectiveness

STUDENTS' RIGHTS AND RESPONSIBILITIES RELATING TO THE MATRICULATION PROCESS

Prerequisite/Corequisite Policy

It is the intent of West Hills College to guide students into courses in which they will have the greatest chance for academic success. West Hills College requires students to successfully complete prerequisites/corequisites as pre-enrollment preparation. (Successful completion is defined as a grade of C or better for the minimum prerequisite/corequisite requirement). It is the student's responsibility to be certain that the necessary prerequisite(s) for

any course taken. The student may be dropped from any class where it is verified that the necessary prerequisite has not been taken.

Whether or not a prerequisite is specifically stated, the instructional staff of West Hills College assume that each student who enrolls in a transfer-level course possesses sufficient competencies in the areas of reading, writing, and math to be able to benefit from instruction.

Courses have prerequisites, corequisites, or strongly recommended preparation in their descriptions. Definitions follow:

1. *Prerequisite* is a course requirement that a student must meet in order to demonstrate current readiness for enrollment in a course or educational program.
2. *Corequisite* means a course that a student is required to take simultaneously in order to enroll in another course.
3. *Strongly recommended preparation* means a student is advised, but not required, to meet certain conditions before or in conjunction with a course or educational program.

Prerequisites/corequisites that are listed in the catalog and the schedule of classes include:

1. Courses for which specific prerequisites/corequisites have been established.
2. Sequential course work in a degree-applicable program.
3. Courses in which an equivalent prerequisite/corequisite exist at a four-year transfer college or university.

Questions about prerequisites/corequisites should be resolved with a counselor or instructor prior to the first day of class.

See Academic Regulations Section for Prerequisite/Corequisite Challenge Procedures.

STUDENT EDUCATIONAL PLAN

Students will be required to express at least a broad educational intent upon admission and to declare a specific educational goal within a reasonable period. They are also required to participate in counseling or advisement, diligently attend class, and complete assigned coursework. Students will be expected to maintain progress toward an educational goal according to standards established by the district.

Each student will be required to identify a specific educational goal during the term after which he or she completes 12.0 units. Once a specific educational goal has been declared, students will be given 90 days to complete a Student Educational Plan in consultation with a counselor or advisor. Students who fail to fulfill these responsibilities or fail to cooperate with the district may be suspended, or services may be terminated as authorized

in Section 55520 of the California Educational Code, provided that the district does not suspend or terminate any service to which a student is otherwise entitled under any other provision of law.

The West Hills Community College District shall ensure that information in written form describing their rights and responsibilities is available to all students.

The West Hills Community College District shall also ensure that the matriculation process is efficient, so that students are not discouraged from participating in college programs. Whenever possible, students will be permitted to avoid additional testing by submitting scores on recently-taken tests that correlate with those used by the district.

Information obtained from the matriculation process shall be considered student records and shall be subject to the requirements of district policy in accordance with the Family Education Rights and Privacy Act of 1974.

The West Hills Community College District has established the following exemptions within the Matriculation Plan:

1. Orientation services have already been provided by the college.
2. The student has received an AA/AS degree or higher.
3. The student is enrolled exclusively in physical education activity courses or other courses with no basic skills or prerequisites/corequisites required.
4. The student attends West Hills College courses for which high school credit will be awarded.

EXTENDED OPPORTUNITY PROGRAM AND SERVICES (EOPS)

The Extended Opportunity Program and Services (EOPS) is a state funded program that provides additional support services to students with financial and educational needs. Eligibility is determined by income level and demonstration of need.

The following services are available:

- Individual counseling
- Academic programming
- Vocational planning
- Grants and/or books
- Career guidance
- Priority registration and instructional assistance
- Transfer assistance to four-year schools
- Multi-cultural programs

COOPERATIVE AGENCIES RESOURCES FOR EDUCATION (CARE)

The CARE Program at West Hills College is a cooperative effort between Fresno and Kings County Department of Social Services (DSS), Employment Development Department (EDD), and the college's Extended Opportunity Program and Services (EOPS). The focus of the CARE Program is to assist single parents on AFDC via Supplemental Grants and workshops that will provide the necessary support for their academic success and retention. Students are required to maintain full time status of 12 units.

For more information call the EOPS Director/Counselor, CARE Coordinator. (559) 934-2333, Lemoore 925-3330.

DISABLED STUDENTS PROGRAMS AND SERVICES (DSPTS)

West Hills College is committed to providing equal access to education for disabled persons. The DSPTS office provides services to those persons with physical, learning and psychological disabilities. These services include the following:

- Individual, academic and vocational counseling
- Priority registration
- Note takers/Readers
- Diagnostic testing
- Alternative testing services
- Mobility assistance
- Liaison with the State Department of Rehabilitation and other agencies
- Assistive Technology
- Alternative Media

Our Learning Skills Program provides individual and small group instruction for students with learning disabilities in a high-tech lab setting. Computer-assisted instruction is available to all students with disabilities.

For more information, please contact the DSPTS Director/Counselor at West Hills College Coalinga (559) 934-2337. For the West Hills College Lemoore DSPTS counselor, call (559) 925-3335.

TITLE IV STUDENT SUPPORT SERVICES

One Step Beyond (OSB) Program is a federally funded program designed to retain and transfer students to four year colleges. Eligible students for this program include low income, first generation college students and students with disabilities.

Services for students enrolled at West Hills College or who are accepted for enrollment include:

- Counseling - priority registration, educational planning,

academic, career and personal counseling.

- College, Community and Social Service Referrals - Referral and resource information available for services outside the college community.
- Financial Aid - Assistance with the financial aid application process.
- Comprehensive Study Program - Free instructional support in addition to tutoring offered by the college.
- Social and cultural activities - free field trips and workshops and presentations to stimulate academic awareness, personal growth and student interaction.

For further information, please contact the Program Director, (559) 934-2494.

TITLE V BRIDGE PROGRAM

Through a grant from the U.S. Department of Education, West Hills College has established the Bridge Program to enhance existing student support services as well as to create additional services. The Learning Communities Project is a flagship of these new services under the Bridge Program. Learning communities are clusters of classes and services that are linked so subject matter and assignments are shared. Student and faculty work closely together so students receive more in-class support. Learning Communities also include counseling and tutoring specifically geared to the needs of the students and to the nature of the coursework.

Learning Communities help students:

- Learn more and earn better grades
- Coordinate homework between classes
- Make friends through small group interaction
- Enjoy closer interaction with faculty
- Earn credit in two courses with common assignments
- Get extra help that is geared to their needs
- Develop critical thinking skills
- Succeed in college!

To learn more about Learning Communities please contact the counselor at West Hills College Coalinga (559) 934-2343 or North District Center (800) 266-1114, ext. 2980.

MESA

The West Hills College Math and Engineering Science Achievement Program (MESA) assists students who intend to transfer to a four year college or university in completing their required courses at West Hills College. The object of this program is to increase the number of disadvantaged students who have chosen math, science, technology, agriculture and engineering as

their educational objectives. Everyone is welcome to visit the MESA Center located on the Coalinga Campus. For more information on the MESA Program, please call (559) 934-2340.

COLLEGE ASSISTANCE MIGRANT PROGRAM - CAMP

College Assistance Migrant Program (CAMP) provides academic and support services, as well as financial assistance to eligible migrant students who are admitted and enrolled on a full-time basis within the first academic year.

Students participating in this program learn strategies to better cope with lifestyle changes, adjustments and personal situations that can impair educational achievement within migrant families.

CRITERIA FOR ADMITTANCE TO CAMP

The criteria for becoming a CAMP student are the student has a migrant educational identification number or that the student be a migrant/seasonal farmworker. A student may also qualify if a parent or legal guardian of the student has worked at least 75 days in the past two years as a migrant/seasonal farmworker.

Students may attend any campus West Hills Community College District serves, including on-line courses. A one-to-one constant contact will be kept throughout the student's first year of college, so the student remains in college and completes their educational goal.

CURRENT RECRUITMENT IS UNDER WAY

Students interested in applying for the CAMP Program need to contact West Hills Community College District and ask to speak with CAMP Coordinator at (559) 934-2964.

The program offers

- Financial Aid Review and Advising
- Summer Bridge Program
- Health Screening
- Career Exploration
- Career Development Plan
- Cultural/Diversity Research and Presentation
- Tutorial Services (catered to students needs and schedule)
- Learning Community Classes

UPWARD BOUND PROGRAM

UPWARD BOUND is a federally funded program under Title IV offered to high school freshman, sophomore, junior and senior students. West Hills College's Upward Bound Program serves Avenal, Coalinga, Firebaugh, and Mendota High Schools. Eligible students include those who are low income, potential first generation college students, demonstrate an academic need, and/

or individuals with disabilities. The focus of UPWARD BOUND is to provide encouragement, preparation and support to eligible high school students attending college after high school. The program accomplishes this through three major components:

- Tutorial sessions held one day per week for two hours at each high school site.
- Once a month Saturday sessions held at West Hills College Coalinga.
- A six-week residential summer session held at West Hills College Coalinga.

The program offers academic tutoring, personal, educational, and financial aid counseling; free field trips to universities and colleges; social and cultural activities and events, and motivational guest speakers.

For more information, please contact the Director at (559) 934-2494.

RE-ENTRY PROGRAM

The Re-entry Program provides support and encouragement for students who are returning to school after an absence of two or more years. Services include:

- Pre-admission advising
- Individual academic, career and personal counseling
- Referrals to on-campus and community resources

Designed for all adults in transition, the Re-entry Program serves men and women seeking a career change, single parents returning to school, homemakers preparing for the world of paid employment, and adults struggling with career choices. For more information, please contact a counselor at any of our campus locations.

CAREER/PLACEMENT CENTER

The Career Center provides a variety of services and materials to students planning their careers. College catalogs, career resources, job search manuals, and the COIN Career Guidance program, a computerized information and scholarship search system, are available to help students with the career development process. In addition, career assessments and career counseling, available upon request, heighten students' self-awareness, thereby enabling them to make satisfying career choices.

TRANSFER CENTER

The Transfer Center serves students who are transferring to the California State University system (CSU), the University of California system (UC), private, and out-of-state colleges and universities. Services offered include:

- College catalogs
- A resource library of directories and transfer publications
- Articulation agreements

- Contact with representatives from four-year institutions
- Tours to local four-year institutions
- Applications to four-year institutions
- Transfer planning assistance
- Workshops on transfer issues

DUAL ADMISSION PROGRAM

The Dual Admission Program is a partnership formed between West Hills Community College District and California State University, Fresno and is designed to provide a seamless transfer for students whose primary goal is to obtain a bachelor's degree. While a student completes the requirements for transfer, the student can gain admission to the CSU Fresno's Dual Admission Program with one application, enroll in courses at both institutions, have access to CSUF advisors, library services and university athletic events and facilities. For more information, contact the counseling office.

VETERANS

West Hills College is approved for training of veterans, dependents of deceased veterans, and children of disabled veterans under applicable federal and state laws administered by the Veterans' Administration and the State Department of Veterans' Affairs. Eligibility for benefits under any of these programs is determined by the appropriate federal or state agency. The college will make certifications of enrollment and progress for such eligible students and will provide any desirable or necessary counseling and planning of programs of study.

Individuals may apply for military credit after completion of 12 units at West Hills College. (A maximum of 12 units can be awarded based on recommendations by the ACE Guide.) A petition for Health Ed 35 must be completed. An evaluation of all the student's prior credits (military, transfer, cumulative total) in relation to the student's declared major should be applied for before or upon completion of two semesters. A student may only receive benefits for units fulfilling an AA/AS degree, an approved transfer program or a certificate of achievement.

Non-payable courses include physical education (except for dependents and P.E. majors); health education (except for dependents and H.E. majors); NC (non-credit reported as a drop at the end of the semester); an F grade as the result of non-attendance; or general work experience classes.

The VA will allow two semesters of academic probation (grades below 2.0). Students will not receive benefits for the third consecutive semester of academic probation. (Students are recommended to make an appointment with the VA counselor for student options.)

Students enrolled in short-term classes should be aware they will only be paid for those units during the time of actual class time.

The VA will only pay for classes that have been completed. If a student must drop a class, "Mitigating Circumstances" must be shown or a large overpayment may result. The student is required to repay all benefits received for a dropped class from the beginning of the term when no mitigating circumstances (as determined by the VA) exist. Students are responsible for dropping a class and must advise the college immediately. Students should also report any changes in classes, units, address or program to the West Hills College staff. Contact the VA counselor at West Hills College (559) 925-3320.

TUTORIAL SERVICES

The tutorial program at West Hills College serves the Coalinga campus, Lemoore campus, and North District Center. Tutorial services are free to all West Hills College students.

The Tutorial Centers are located in the college libraries and are open weekdays. The West Hills College Tutoring Program has been certified by the College Reading and Learning Association, which is an international organization.

The tutors are students referred to the program by instructors because of outstanding accomplishments in their subject areas. After completing the Tutorial Training Class, the students are entitled to a regular certificate. An advanced certificate is available by completing an independent study.

STUDENT FINANCIAL AID

West Hills College recognizes that many students need financial assistance in order to continue their education. Every effort is made to help as many students as possible through the various financial aid programs administered by the college.

The financial aid programs are limited with a major portion of the funding provided by the federal and state governments. Priority application deadlines are established each year, and students are encouraged to apply in advance of these deadlines. Any student who can demonstrate a degree of need qualifies for financial assistance and can, therefore, expect help depending upon the availability of funds.

Information can be obtained from the Financial Aid Office, at (559) 934-2312 in Coalinga or 925-3310 in Lemoore.

STUDENT REFUNDS/REPAYMENTS

PRO-RATA REFUND

Federal regulations require institutions to extend refunds of institutional costs through the 60% point (11th week at West Hills College) of the enrollment period for which the aid was intended. This requirement applies to students who withdraw or are dropped from school on before the 60% point. This refund/repayment policy applies to any student who withdraws from or stops attending some or all classes prior to the 60% point of the semester. For a more detailed description of the West Hills College refund policy, inquire in the Financial Aid Office and ask for the Refund Policy.

Students may apply for refunds of institutional costs in the Business Office. If a refund is due the financial aid programs, it will be processed by the Business Office whether or not the student applies for a refund of money due to the student.

The calculated refund will be credited to the Title IV programs in the following order:

1. Outstanding balances of any FFELP, or Federal Direct Student Loans;
2. Federal Pell Grant Program;
3. Federal SEOG (Supplemental Educational Opportunity Grant);
4. State Grant

REPAYMENT POLICY

When a student withdraws, drops out, or is expelled on or after the first day of class of a payment period, the institution will determine whether the student received an overpayment of financial aid funds for non-institutional expenses. The overpayment is the difference between the amount received as cash disbursements and the amount incurred for non-institutional costs during the portion of the payment period that the student was actually enrolled. Employment (including Federal College Workstudy) and Direct Student Loans are not considered in determining the amount of cash disbursement.

A student who owes a repayment on a Federal Pell Grant, FSEOG, or SSIG is ineligible for further Title IV assistance until the repayment is made. This information will be reported to the national student aid database and will be reflected on future student aid reports until paid.

The institution takes the following steps to contact students and request overpayments:

1. A hold is placed, preventing registration and release of student records.
2. Three written requests for repayment are mailed to the student.

3. The overpayment is submitted for state tax offset.
4. The overpayment may be referred to the Department of Education for collection.

SCHOLARSHIPS

West Hills College offers a variety of local and institutional scholarships and maintains applications for outside scholarships.

Institutional and local scholarship applications may be obtained from all four of the college's locations at Coalinga, Firebaugh, Lemoore and NASL. Applications for outside scholarships may also be obtained by.

West Hills College scholarship applications must be received by the April 15th deadline and must be legible and complete to be considered.

Scholarships administered by West Hills College include:

Manual Toste Scholarship

Manual Toste was a student at West Hills College who was majoring in agriculture. This memorial scholarship (\$150.00) is given to a full time West Hills College student, either a continuing student or entering student majoring in agriculture with at least a 2.0 grade point average.

Stephen Orradre Scholarship

The Orradre scholarship is given in memory of Stephen Orradre, a student at West Hills College. One scholarship will be given to a continuing student (\$250.00) and one will be given to a student transferring to a four-year university (\$750.00). Students must be majoring in agriculture or pre-veterinary studies.

Marion Basham Scholarship

Marion Basham was a member of the faculty at West Hills College who taught U.S. history from 1954 to 1991. This scholarship (\$250.00) is given in his memory to a student going into the field of teaching.

Stephanie Lyles Scholarship

Stephanie Lyles was a student in the disabled students program at West Hills College. This scholarship (\$250.00) is to be used to purchase textbooks and is given to a qualifying student in the disabled students program. Students may be part time or full time, but must have at least a 2.0 grade point average and include a personal essay and two letters of recommendation with their application.

Sawyer Family Scholarship

The Sawyer family gives this memorial scholarship in memory of Charlotte Sawyer to students wanting to continue their studies in the field of education. This scholarship (\$250.00) is presented to a full time entering or continuing student planning to transfer to a four-year university. All scholarship recipients must have at least a 2.7 grade point average.

Rodney B. Fitch Scholarship

Rodney B. Fitch was a member of the faculty at West Hills College from 1954 to 1984 full time and part time until 1992 teaching English. This scholarship is a \$150.00 voucher for books and is given to a full time student majoring in English with a minimum 2.7 grade point average who wishes to go into the field of education and is transferring to a four-year university.

Scrivner Family Scholarship

This scholarship is given in memory of Keith Scrivner, lifelong Coalinga resident and former Board of Trustees member of West Hills College. The Scrivner family gives a scholarship to one continuing student chosen by West Hills College with at least a 2.0 grade point average and one entering freshman chosen by Coalinga High School in the form of a \$250.00 voucher for books. Students must be majoring in business.

J.D. Johnson Scholarship

The J.D. Johnson family gives this memorial scholarship (\$1,000.00) to two full time entering freshman rodeo students with a minimum high school grade point average of 3.0. A lifelong Coalinga resident and owner of Johnson Trucking, J.D. was a rodeo booster for many years.

Wolfenberger Family Scholarship

Roland "Slats" Wolfenberger was a Coalinga cattleman from the early 1900s on and had many children who attended West Hills College. This memorial scholarship (\$250.00) is given to a full time agriculture major transferring to a four-year university with at least a 2.0 grade point average.

Woodson Memorial Scholarship

Richard Woodson was a Life Sciences faculty member at West Hills College from 1949 to 1984. This scholarship (\$200.00) is given in his memory to a student majoring in science with at least a 3.2 grade point average.

Wakefield Everett Scholarship

Wakefield V. Everett was an English, Humanities and Philosophy instructor from 1956 to 1980. The Wakefield Everett scholarship (\$100.00) is awarded to a graduating student or students intending to continue their collegiate education in the Humanities.

Laura Renton Mendes Scholarship

Laura Renton Mendes was a West Hills College student and graduate of California State University, Fresno with a degree in Child Development. She was a founding board member of We Friends Nursery School in Riverdale and the scholarship (\$500.00) is given in her memory to a full time student majoring in Early Childhood Education with a minimum grade point average of 2.5 from a west side high school.

Maxine McIntyre Scholarship

Maxine McIntyre was involved in community theater through the West Hills College drama department for many years and also participated with the Good Company Players in Fresno. This memorial scholarship (\$250.00) is given to a continuing student

majoring in the arts or performing arts area. The student must have a minimum grade point average of 2.8, must be taking theater classes and/or participating in school productions, and demonstrate financial need.

Vernice E. & I. Thomsen Scholarship

The Thomsen memorial scholarship (\$750.00) is awarded to two continuing and one entering freshman student enrolling at West Hills College who are residents of Kings County and are eligible for learning disabled or in special education programs.

Robert & Collette Keller Scholarship

This scholarship is awarded to an entering full time freshman student from Coalinga High School with at least a 3.0 grade point average who plans to transfer to a four-year university and pursue a career in business. This scholarship is a \$300.00 voucher for books.

Theresa Mendes Scholarship

This memorial scholarship (\$1,000.00) given by Mr. & Mrs. Tony Mendes in memory of their daughter Theresa is to encourage Riverdale High School students to attend West Hills College. Students must have at least a 3.2 grade point average and attend West Hills College full time and is for entering freshmen only.

Chevron Scholarship

The Chevron Corporation scholarship is given to one transferring student (\$500.00) and one continuing student (\$100.00). Student must have at least a 2.5 grade point average and major in math and engineering.

Alpha Gamma Sigma Honor Society

The AGS scholarship is in recognition of community service and academic excellence. This scholarship (\$250.00) is awarded to a student who is at least a half time continuing student at West Hills College with at least a 3.0 grade point average, as well as a continuing member of Alpha Gamma Sigma. Not awarded every year.

ASB Scholarship

The associated student body of West Hills College gives two scholarships (\$100.00) to continuing students and two scholarships (\$100.00) to transferring students.

Delta Kappa Gamma Scholarship

The Delta Kappa Gamma scholarship is awarded to a female student, transferring to a four-year university wanting to continue her education in the teaching field.

West Hills Faculty Association Scholarship

This scholarship is awarded to one transferring student (\$200.00) and one continuing student (\$200.00).

Coalinga Lions Club Scholarship

This scholarship (\$250.00) is given usually to an incoming freshman student, but the club occasionally chooses a continuing student. The Coalinga club makes the selection.

Coalinga Women's Club Scholarship

The Coalinga Women's Club usually chooses an incoming freshman for this scholarship.

AmeriCorp/TRPP Scholarship

These three scholarships (\$250.00 each) are given to members of AmeriCorp/TRPP.

Fellowship of Christian Athletes Scholarship

This scholarship (\$250.00), awarded by the Fellowship of Christian Athletes, is given to a full time West Hills College student transferring to a four-year college or university.

AAUW Scholarship

This scholarship is awarded to a female student with at least a 3.0 grade point average, who is transferring to a four-year university and majoring in education

North District Center Scholarship

The North District Center scholarship is offered to new or continuing students at West Hills College who have a grade point average of 2.0 or above, possess paid employment or regular volunteer job, are not eligible for financial aid, and who provide three current job or character references, and submit a resume and essay.

Renton Family Scholarship

This scholarship is awarded to a full time continuing or transferring West Hills College student with at least a 2.5 grade point average.

EMERGENCY STUDENT LOAN PROGRAM

These short-term loans may be made to students who need a small sum to tide them over for a brief period of time. Students may borrow from \$15 to \$30 from Associated Student Body. Larger amounts may be borrowed under certain conditions, but all loans must be repaid within 30 days of receipt.

DIRECT STUDENT LOAN PROGRAM

This program provides loans to students ranging from \$500 to \$3,500. Interest begins six months after the student is no longer enrolled. Payment begins six months after the student leaves college, or drops below six units.

Loan applicants must complete a Financial Aid Application.

GRANTS**PELL GRANTS (FEDERAL)**

This grant must be applied for by students before consideration of any other grant aid program can be made. The Pell Grant for the 2002-2003 year ranged from \$400 to \$3,750 (as of 2001-

2002) for students who qualified. Applications may be obtained from high school counselors or from any college financial aid office.

CAL GRANT B PROGRAM (STATE)

College Opportunity Grants are available through the California Student Aid Commission for entering college students who come from low income families and who are not necessarily able to obtain scholarships by the use of conventional selection methods. No minimum level of grades or test scores is required for acceptance into this program; however, preference is given to high potential students. Awards range from \$300 to \$1,548 for each academic year. Applications and further information are available at all California high school counseling offices.

CAL GRANT C PROGRAM (STATE)

For students enrolled in an occupational or vocational course of study, grants are based on the student's need and cover the cost of fees, books, supplies, tools, and special clothing. Maximum grants are \$530/year.

SUPPLEMENTAL EDUCATION OPPORTUNITY GRANT (SEOG)

The basic purpose of this program is to assist undergraduate students whose exceptional financial need would prevent them from attending college. The grants normally range from \$100 to \$2,000 each academic year, depending on family contribution and financial need.

Grants are renewable if financial need continues and the student remains in good standing. All undergraduate students who apply for financial aid are automatically considered for this grant.

Applications are available in the West Hills College Financial Aid Office. Because funds are limited, early application is strongly encouraged.

COLLEGE WORK STUDY (FEDERAL AND STATE)

The College Work Study Program provides part-time employment opportunities that give students the chance to earn money to cover school expenses. An effort is made to find jobs which are related to students' academic programs, yet do not conflict with their class schedules. Students work a maximum of 19 hours per week during the regular academic period, and up to 40 hours per week when classes are not in session. Jobs may be on or off campus. Off campus jobs must be for a non-profit agency.

JOB PLACEMENT

The Financial Aid Office assists students with community job placement, both during school and after graduation. Referrals are posted for both part-time and full-time permanent jobs.

STUDENT LIFE PROGRAM

STUDENT ACTIVITIES PROGRAM

Memorable and valuable college experiences often include more than classroom instruction. To this end, the Student Activities Program mission is the development of the entire person. Opportunities include cultural and social issues awareness, video and lecture series, leadership development through club involvement and social events. (The Student Activities Office is located in the Student Center at West Hills College Coalinga).

ASSOCIATED STUDENT BODY (ASB)

The official student organization of West Hills College is the Associated Student Body (ASB) and all students are encouraged to join.

The ASB Council is made up of elected and appointed student officers and serves as the “voice” of the students to the college administration. The council works to improve the relationship between the student and the college through open communications with the student population and college staff, representation on college committees, and activities designed to enhance the collegiate experience. The council meets weekly to conduct the business of the Associated Student Body. All students are encouraged to attend.

Members receive a photo ASB card that entitles them to reduced or free admission to home games, ASB events, and club events. The card costs \$7.50 per semester and can be purchased in the Student Services Building in Coalinga, Administration Building in Lemoore or at North District Center. The receipt is taken to the library where the card is made.

Without an ASB card, students may be required to obtain a Student Identification Card to gain access to computer labs and to check out library books. Access to discounts at student games, etc. is not included. A \$10 replacement fee is charged for lost or damaged cards.

STUDENT ORGANIZATIONS

Clubs and organizations with service, political, academic, social, and cultural objectives offer students the opportunity to participate in areas of specific interest. Representatives from each campus club comprise the Inter-Club Council and serve as a recommending body to the Student Council.

For further information on the above programs, consult the Student Handbook.

ATHLETICS AND RELATED ACTIVITIES

West Hills College is a participating member of the Central Valley Conference. Participation in men’s intercollegiate football, baseball, and basketball and women’s intercollegiate volleyball, softball, soccer, and tennis is open to all full-time students. West Hills College is also home to the nationally ranked West Hills College Rodeo Team for men and women.

An intramural athletics program is offered to all students of West Hills College and is designed to promote positive competition and life-long physical fitness.

SCHOLARSHIPS

A variety of scholarships are offered to students each year. Awards are made on the basis of scholastic achievement, selected major, citizenship, leadership, and/or need. Scholarships are offered through the generosity of citizens and civic groups in the West Hills College District and surrounding area. Criteria varies with each scholarship. Brochures and applications for the following academic year are available each spring from the Financial Aid Office. (See pages 30-32 for more information)

FOOD AND LODGING

West Hills College Coalinga offers residential living in its 121-bed Gordon Hall for men and the 56-bed Ivans Hall women’s residential facilities on the campus in Coalinga. (Capacity is based upon double room occupancy.) Additional information and applications for residential housing may be obtained from the office of the Director of Residential Living, or inquire at the Dean of Students’ Office.

Students can enjoy a hearty meal or a simple snack and everything in between at the residential dining hall, located at West Hills College Coalinga. It is open daily. Food service at West Hills College Lemoore is available at the snack bar, Monday through Thursday, 7:30 a.m. to 8:30 p.m. and 7:30 a.m. to 3 p.m. on Fridays. Daily specials are available.

TRANSPORTATION

Van transportation to the Coalinga campus from areas throughout the district is provided by West Hills College. The transportation operates in the early morning and late afternoons. West Hills College provides van routes from Kettleman City, Avenal, Mendota, Firebaugh, Three Rocks, Cantua Creek, Riverdale, San Joaquin, Helm, Tranquillity, Huron, and Five Points. The college

transportation fee is \$1 each way, payable in \$10 increments for a van pass (non-refundable).

The cost of transportation is part of some financial aid packages. For handicapped students, free transportation in specially-equipped vans can be arranged. For more information, call (559) 934-2250.



INSTRUCTIONAL SERVICES

INSTRUCTIONAL GOALS

West Hills College will provide:

1. A transfer program.
2. Occupational courses and programs to meet the immediate and projected needs of students.
3. A procedure by which learning disabilities can be detected and remedial help made available.
4. Instructional and support services for students with special needs, to include but not limited to, the physically and educationally handicapped, the senior citizen, and the re-entry student.
5. Educational opportunities and learning experiences for all residents of the college district.
6. General education in those areas that are required for everyday living, such as communications and the humanities.
7. Courses and programs that will enhance the physical and emotional well-being of the members of its service community.
8. Courses and programs that will familiarize students with a wide cultural base so that they may become aware of their humanity and become effective members of society.
9. Courses that will enable students and community members to acquire the knowledge, skill, and experience in recreational activities for the enrichment of their lives.
10. Support services for instructional courses and programs offered throughout the District.
11. Experiences which will develop in students a sense of pride in themselves, their community, their nation, and West Hills College.

COOPERATIVE WORK EXPERIENCE EDUCATION (CWEE)

Cooperative Work Experience Education (CWEE) develops skills and knowledge by integrating classroom study with planned, supervised work experience.

It is based on the principle that well-educated individuals develop most effectively through an educational plan that incorporates work experience. Through these structured experiences, the students enrich their college studies, which enhances their total development.

There are two types of work experience programs:

1. General Work Experience Education
This program is designed to aid the student in developing desirable work habits and need not be related to the college

major or career intents. Students may earn up to 3 units per semester or a maximum of 6 units of total credit in general work experience for paid or voluntary work. General Work Experience is not a payable class under VA benefits.

2. Occupational Work Experience Education

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units of total credit. Occupational work experience is offered in the following majors:

- Administration of Justice
- Agriculture
- Business
- Computer Information Systems
- Early Childhood Education
- Educational Assistant
- Health Science
- Hotel, Restaurant & Casino Management
- Welding Technology

These two types of work experience may be taken under two plans:

1. Parallel Plan

This plan allows the student to simultaneously enroll in classes (at least 7 units, including work-experience) and work part-time (up to 20 hours per week). This plan is available for both general and occupational work experience.

2. Alternate Plan

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

Students may transfer from the Parallel Plan to the Alternate Plan or vice versa, but the student must complete an additional 12 units of credit the semester between switching plans.

In addition, a student may not enroll in General and Occupational Work Experience concurrently. If General and Occupational Work Experience are combined, a student may earn a maximum of 16 units of credit. A student receives 1 unit for each 60 hours of volunteer work, or 1 unit for every 75 hours of paid employment.

Specific requirements for enrollment are:

1. fulfill the requirements for enrollment under either the parallel or alternate plan.
2. pursue work experience that in the opinion of the CWEE Coordinator includes new or expanded responsibilities beyond those expected in previous volunteer service or employment
3. ensure the cooperation of the employer with the college in the supervision and evaluation of the student
4. for occupational work experience, the on-the-job experience must be related to the major
5. attend all coordination/consultation meetings in addition to other work and class expectations

THE ALPHA CENTERS

The ALPHA Centers (Accelerated Learning Path to Higher Achievement) provide students with basic skills that enable them to be successful in their academic classes and professional lives.

Computer-assisted classes in reading, writing, math, and ESL are offered in both the Coalinga and Lemoore ALPHA Centers. Students may also use the ALPHA computers during open hours for self-paced and individualized instruction. Students are also permitted to use the computers in the Learning Center Lab in the library.

The ALPHA staff works with students, instructors and counselors to give effective learning assistance.

LIBRARY

West Hills College provides a variety of support services at Coalinga, Lemoore and North District Center. According to research findings, those students who regularly use the library/learning resources center in the course of their college education are the ones who make the best grades and succeed in higher education.

Locating information in the library is not limited to looking in the card catalog drawers. There are now computer terminals that contain information on books as well as journal articles in full text and information gateways to the World Wide Web. Additionally, each year significant money is spent on updating our library holdings. These materials are there to use. The library staff is available to aid in the learning process of finding information.

Services

- A circulation book collection
- A reference book collection
- An automated materials catalog

- A coin-operated copy machine
- A computer laboratory
- Group study rooms
- Internet research services to the World Wide Web
- A newspaper collection- access to online newspapers from 180 titles
- A periodical collection-access to online periodical articles from 1,850 titles

Hours

West Hills College Coalinga Library: (559) 934-2420
 Monday – Thursday 7:30am to 9:00pm
 Friday 7:30am to 4:00pm

West Hills College Lemoore Library: (559) 925-3420
 Monday – Thursday 7:30am to 8:00pm
 Friday 7:30am to 4:00pm

North District Center Library: (559) 934-2976
 Monday – Thursday 8:00am to 8:00pm
 Friday 8:00am to 4:00pm

See posted hours for breaks and summer session.

Electronic Resources

Licensed electronic resources provided by the District are available for writing research papers. All these databases are available in the library, or from a home computer. See a librarian for user ID and password.

OUTREACH

The Outreach Program strives to maintain a well-rounded list of class offerings in the vast area served by West Hills College. The program serves the needs of people in the communities of Avenal, Cantua Creek, Coalinga, Firebaugh, Five Points, Helm, Huron, Kettleman City, Lemoore, Mendota, Riverdale, San Joaquin, Stratford, Tranquillity, and surrounding areas. There are program offerings in adult basic education; classes of college-level credit; various non-credit classes; and community non-credit classes and community services classes meeting specific needs of interested persons and groups.

Students at the college level may earn credits in designated programs which lead to occupational certificates and/or the Associate Arts or Science degrees.

Students desiring a four-year bachelor's degree may complete most of the course work of the first two years at West Hills College.

A partnership with California State University, Fresno will allow students to take most courses for a four year degree at West Hills College Lemoore.

GRADUATION REQUIREMENTS

DUTY TO GRANT

The Governing Board of a community college shall award the appropriate diploma, degree, or certificate whenever a student has completed all requirements for the degree, diploma, or certificate without regard to the length of time actually taken by the student to complete such requirements. The Governing Board shall grant to any student who has satisfactorily completed the requirements of any course of study in less than the prescribed time, credit for the full number of semester hours scheduled for such course.

Students should plan the general direction of their educational careers as early as possible. Students wishing to transfer to a four-year college or university should select the transfer institution as early as possible. To assist with his/her planning, requirements are described in this section for:

1. The Associate Arts degree
2. The Associate Science degree
3. Certificates of Achievement

PHYSICAL EDUCATION REQUIREMENTS

Students under 21 years of age are required to complete a minimum of two courses in physical education activity totaling not less than two units while working toward an associate degree. Intercollegiate athletics will not count toward the required units.

A student may be exempted upon presentation of a medical excuse from a physician. A student with a physical disability should file a physician's certificate of disability each semester requesting exemption.

PETITION TO GRADUATE

It is the student's responsibility to file a "Petition to Graduate" at the time of registration and no later than the eighth week of the semester in which he/she plans to complete the requirements of the certificate or degree program. The Petition to Graduate form is available in the counseling offices in Coalinga, Lemoore, and Firebaugh. Original transcripts of college or equivalent work must be on file in the Admissions and Records Office at this time.

Students who file petitions after the end of the eighth week of the semester might not receive diplomas until after the end of the following semester.

Students who have completed or enrolled in courses that meet the final requirements toward a certificate or degree must see a counselor. Students are advised to meet with a counselor *two*

semesters before graduation to review their Student Educational Plan and complete an evaluation of their units.

TRANSFER TO FOUR-YEAR COLLEGES AND UNIVERSITIES

It is generally to the advantage of the transfer student to complete his/her general education requirements at West Hills College. It is also important that the student take the proper lower division prerequisites for his/her major. The sooner a student decides upon a major and chooses which college to attend, the better his/her course choices will be. Students planning to transfer should work closely with counseling staff as soon as possible after enrolling in the first semester to ensure seamless transfer process.

CALIFORNIA STATE UNIVERSITY

Copies of general educational certification will be sent with transcripts upon student request. Requests for certification of general education to the California State University system must be initiated by the student on forms available in the Admissions and Records Office.

UNIVERSITY OF CALIFORNIA

Copies of general educational certification will be sent with transcripts upon student request. Requests for certification of general education to the University of California system must be initiated by the student on forms available in the Admissions and Records Office.

COMMENCEMENT EXERCISES

Students who wish to be awarded the Associate Arts degree, Associate Science degree or a Certificate of Achievement are strongly urged to participate in the commencement exercises held at the end of the spring semester.

GENERAL EDUCATION REQUIREMENTS: PHILOSOPHY STATEMENT

The general education component of the associate degree introduces students to the humanities, social sciences, natural sciences, applied sciences, and technology. It exposes students to different areas of study; demands the acquisition and use of reading, writing, and critical thinking skills; imparts a sense of our shared cultural heritage and how to function as responsible, ethical individuals in a complex society; and instills a level of intellectual curiosity and self-awareness conducive to lifelong learning and personal growth.

Together with the West Hills College degree requirements, the general education component of the associate degree prepares students to

1. transfer to and function successfully in a baccalaureate degree granting institution or
2. enter the work force as a competent, productive citizen and
3. live a richer, more rewarding life.

General education is the distinguishing feature of higher education. It is a broadly-based core of knowledge and abilities, acquisition of which is the distinctive characteristic of the educated person. General education courses emphasize the ability to reason, to examine issues from different perspectives, to challenge authority, and to communicate ideas logically and confidently. They instill open-mindedness, respect for differences among people, and knowledge of self. They provide an understanding of the human condition and of human accomplishments and encourage a life-long interest in learning.

General education courses are not primarily skills-based, nor are they limited to, or more appropriate for majors in a specialized field of study.

Courses that fulfill general education requirements must:

1. Require reading, writing, computation, and critical thinking.
2. Improve students' abilities to:
 - communicate oral and written ideas effectively;
 - define problems, design solutions, critically analyze results;
 - work effectively and cooperatively with others;
 - work independently;
 - develop and question personal and societal values, make informed choices, and accept responsibility for one's decisions;
 - function as active, responsible, ethical citizens;
 - acquire the curiosity and skills essential for lifelong learning.
3. Impart understanding, knowledge, and appreciation of:
 - our shared heritage, including the contributions of women, ethnic minorities, and non-western cultures;
 - the earth's ecosystem, including the processes that formed it and the strategies that are necessary for its maintenance;
 - human social, political, and economic institutions and behavior, including their interrelationships;
 - the psychological, social, and physiological dimensions of men and women as individuals and as members of our society.

Courses that fulfill general education requirements must fall into one of the content categories listed below:

- Area A Communication in the English Language and Critical Thinking
- Area B Physical Universe and its Life Forms
- Area C Arts, Literature, Philosophy, and Foreign Language
- Area D Social, Political, and Economic Institutions and Behavior, Historical Background
- Area E Lifelong Learning and Development

TRANSFER INFORMATION

GENERAL INFORMATION

This section includes the specific requirements for transfer to four-year colleges and universities. West Hills College offers lower-division transfer courses to meet the requirements for most baccalaureate majors. Students should consult a counselor or academic advisor to be certain they enroll in courses to meet the freshman and sophomore level requirements of the college or university of their choice. Most of the transfer students from West Hills College plan to enter either the California State University (CSU) system or the University of California (UC) system.

Students are encouraged to consult the catalog of the college or university to which they intend to transfer. Admission requirements, as well as major and general education requirements, vary from institution to institution; and students must assume the responsibility for selecting the courses that will permit them to achieve their educational objectives.

CALIFORNIA STATE UNIVERSITY SYSTEM GENERAL EDUCATION REQUIREMENTS

Students who were eligible for admission to California State University based on their high school grade point average and SAT or ACT scores may transfer with less than 56 college units. The student must, however, have maintained a C average in all college work and must be in good standing. Students who were not eligible for admission from high school must complete 56 transferable college units with a 2.0 average. Students who meet these minimum standards, while eligible for admission to a CSU campus, might not be accepted into an impacted major or department.

Completion of the CSU General Education Certification Course Pattern will meet the General Education -Breadth Requirements of CSU. Students will need to have the general education pattern certified prior to transfer to the CSU. Students who have attended other colleges are urged to meet with a counselor or academic advisor for help on satisfying General Education Breadth requirements. Students are advised that these are the minimum requirements and individual CSU campuses have the authority to add to the General Education-Breadth requirements. Students should consult a counselor for additional information.

West Hills College will certify completion of this pattern by area or in its entirety for students transferring to one of the 22 campuses of the California State University system. West Hills College will give full certification upon the completion of the thirty-nine (39) designated units.

The following West Hills College courses meet this pattern. Courses may be used for credit in one area only.

AREA A COMMUNICATION IN THE ENGLISH LANGUAGE AND CRITICAL THINKING (3 COURSES - 9 UNITS)

One course in each area: written communication, oral communication, critical thinking

- English 1A
- Speech 1, 4

One additional course to satisfy critical thinking requirement from Philosophy 2, English 1B, Sociology 2, Speech 3, and Educ 5

AREA B PHYSICAL UNIVERSE AND ITS LIFE FORMS (3 COURSES - 9 UNITS)

1 course in Life Science, 1 course in Physical Science, and 1 course in Mathematics.

Life Science

Biology 10, 20, 24, 32, 35, 38

Mathematics

Mathematics 1A, 1B, 2A, 2B, 10A, 15, 25, 45

Physical Science

Chemistry 1A, 1B, 2A, 2B, 35

Geography 1

Geology 1, 3

Physical Science 1

Physics 2A, 2B, 4A, 4B, 4C

AREA C ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGES (9 UNITS)

(At least 1 course in the Arts)

Arts

Art 5A, 13A, 16A, 16B, 42

PA 3

Music 42

Humanities

English 1B, 25A, 25B, and 25C

Geography 3

History 4A, 4B

Foreign Language Spanish 1, 2, 3, 4, 11, 12

Philosophy 1, 2, 3

Humanities 1, 22

AREA D SOCIAL, POLITICAL, AND ECONOMIC INSTITUTIONS AND BEHAVIOR; HISTORICAL BACKGROUND (9 UNITS)

(Courses in at least 2 disciplines)

AOJ 1, 29

Anthropology 2

Economics 1A, 1B

Geography 2A, 2B, 3, 18

History 4A, 4B, 17A*, 17B*, 18

Journalism 40

Political Science 1*, 2

Psychology 1, 2, 3, 5

Social Science 32A, 32B

Sociology 1, 2, 3

- * To meet U.S. History and constitutional requirements, History 17A or 17B and Political Science 1 is required.

AREA E LIFELONG LEARNING AND DEVELOPMENT (3 UNITS)

Health Education 35

Nutrition 1

Psychology 1, 2, 3, 4, 5

Speech 5

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

Following the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student who is undecided about a specific major or college choice to ultimately transfer from the community college to a campus in either the University of California (UC) or the California State University (CSU) systems without the need, after transfer, to take additional lower-division, general education courses. Courses may be used for credit in one area only.

Please note that completion of the IGETC is not a requirement for transfer to UC or CSU, nor is it the only way to fulfill the lower division, general education requirements of the UC or CSU prior to transfer. Depending on a student's major and field of interest, the student may find it advantageous to take courses fulfilling the CSU's general education requirements or those of the UC campus or college to which the student plans to transfer.

LIST OF COURSES BY IGETC SUBJECT AREA:**AREA 1 ENGLISH COMMUNICATION**

(3 courses, 9 semester units)

1A: English Composition

Course & Number	Title	Units
ENG 1A	Composition and Reading	3

1B: Critical Thinking - English Composition

Course & Number	Title	Units
ENG 1B	Literature, Critical Thinking, and Writing	3

1C: Oral Communication (CSU requirement only)

Course & Number	Title	Units
SP 1	Elements of Speech	3

AREA 2 MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

(1 course, 3 semester units)

Course & Number	Title	Units
MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
MATH 2A	Multivariate Calculus	4
MATH 2B	Differential Equations	4
MATH 10A	Structure and Concepts in Mathematics I	3
MATH 15	Pre-Calculus	5
MATH 25	Introduction to Statistics	3

AREA 3 ARTS AND HUMANITIES

(at least 3 courses, 9 semester units) At least one course from the Arts and one from the Humanities.

The Arts

Course & Number	Title	Units
ART 16A	Pre-History to Proto-Renaissance	3
ART 16B	Renaissance to the Present	3
ART 42	Art Appreciation	3
MUSIC 42	Music Appreciation.....	3

The Humanities

Course & Number	Title	Units
GEOG 3	Cultural Geography	3
HIST 4A	Western Europe to 1700	3
HIST 4B	Western Europe from 1700.....	3
HUM 1	Introduction to Western Culture	3
HUM 22	Introduction to Comparative Religion	3
PHIL 1	Introduction to Philosophy	3
PHIL 2	Introduction to Logic	3
PHIL 3	Ethics.....	3

AREA 4 SOCIAL AND BEHAVIORAL SCIENCES

(At least 3 courses, 9 semester units) Courses from at least two disciplines.

Course & Number	Title	Units
ANTHRO 2	Cultural Anthropology	3
ECON 1A	Macroeconomics.....	3
ECON 1B	Microeconomics	3
GEOG 2A	World Regional Geography.....	3
GEOG 2B	World Regional Geography.....	3
GEOG 3	Cultural Geography	3
HIST 4A	Western Europe to 1700	3
HIST 4B	Western Europe from 1700.....	3
HIST 17A	History of the U.S. 1492-1877	3
HIST 17B	History of the U.S. 1865-Present	3
JOURN 40	Introduction to Mass Communications	3
POL SCI 1	American Government	3
POL SCI 2	Comparative Government	3
PSYCH 1	General Psychology.....	3
PSYCH 2	Abnormal Psychology	3
PSYCH 3	Developmental Psychology	3
PSYCH 5	Biological Psychology.....	3
SOC 1	Introduction to Sociology	3
SOC 2	Introduction to Social Problems.....	3
SOC SCI 32A	Cultural History of the Chicano	3
SOC SCI 32B	Cultural History of Black Americans	3

AREA 5 PHYSICAL AND BIOLOGICAL SCIENCES

(At least 2 courses required, 7-9 semester units) One Physical Science and one Biological Science course.

The Physical Sciences

Course & Number	Title	Units
CHEM 1A	General College Chemistry I.....	5
CHEM 1B	General College Chemistry & Qualitative Analysis II	5
CHEM 2A	Introductory Chemistry	4
CHEM 2B	Introductory Chemistry	4
GEOG 1	Physical Geography	4
GEOL 1	Physical Geology.....	4
GEOL 3	Historical Geology	4
PHYS 2A	Mechanics and Thermodynamics	4
PHYS 2B	Electricity, Magnetism, Optics, & Modern Physics	4
PHYS 4A	Classical Mechanics	4
PHYS 4B	Electricity, Magnetism and Waves	4
PHYS 4C	Thermodynamics, Optics, & Modern Physics	4
PHYS SCI 1	Survey of the Physical Sciences	4

The Biological Sciences

Course & Number	Title	Units
BIO 10	Fundamentals of Biology	3
BIO 20	General Zoology	5
BIO 24	General Botany.....	5
BIO 32	General Human Anatomy.....	4
BIO 35	Human Physiology	4
BIO 38	Microbiology	4

LANGUAGE OTHER THAN ENGLISH

(UC Requirement Only) Proficiency equivalent to two years of high school study in the same language or the following:

Course & Number	Title	Units
FLSPN 2	Elementary Spanish	4
or		
FLSPN 12	Elementary Spanish for the Limitedly Bilingual	4



ASSOCIATE DEGREE REQUIREMENTS

The awarding of an associate degree symbolizes a successful attempt on the part of the College to lead students through learning experiences designed to develop certain capabilities and insights. Among these are the ability to think and to communicate clearly and 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; and to develop the capacity for self-understanding. In addition, the student shall acquire sufficient depth in a field of knowledge to contribute to life-time interest.

The Governing Board of West Hills Community College District shall confer the degree of Associate Arts or Associate Science upon a student who has demonstrated competence in reading, in written expression, and in mathematics, and who has satisfactorily completed at least 60 semester units of college work. Course work requirements must be fulfilled in a curriculum accepted toward the degree by West Hills College as shown in its catalog.

An associate degree program can be planned to meet a variety of goals. It is important that you keep the following information in mind as you plan your program:

1. SPECIFIC CAREER PROGRAM OR MAJOR

Generally, students who pursue a specific career program or major do not intend to transfer to a four-year university. However, some transfer students prefer to complete as many specific career and/or major courses as they can as part of their associate degree program. It is important to note that some of these courses might not be transferable to four-year universities. If you intend to use this option, you should see a West Hills College counselor for assistance in planning the most appropriate educational program.

This associate degree program requires (a) at least 18 semester units in general education courses listed on pages 44 and 45 of this catalog, (b) a major area of study, with a grade point average of at least 2.0 (c) elective units to complete 60 units, (d) overall grade point average of at least 2.0. Of the required units, at least 12 semester units must be completed in residence at West Hills College.

2. TRANSFER TO THE CALIFORNIA STATE UNIVERSITY SYSTEM

If you intend to transfer to a CSU campus, you should complete the requirements for your area of study as listed in this catalog and the maximum lower-division general

education units allowed by the 22 California State University campuses as listed on pages 39-41 of this catalog. All CSU campuses require transfer-level English, speech/communication, critical thinking, and math completed or in-progress prior to admission to the college.

3. TRANSFER TO THE UNIVERSITY OF CALIFORNIA

If you intend to transfer to a UC campus or if you are unsure if you will transfer to a UC or CSU campus, you should complete the requirements for your area of study as listed in this catalog and the Intersegmental General Education Transfer Curriculum (IGETC). Completion of the IGETC requirements results in all lower division general education units required by the 22 CSU campuses and the 9 UC campuses (except Eleanor Roosevelt and Revelle at UCSD) being completed. You should consult a West Hills College counselor to make sure this is your best AA degree choice.

ASSOCIATE ARTS DEGREE REQUIREMENTS

I. MAJOR REQUIREMENTS: AT LEAST 18 SEMESTER UNITS OF STUDY TAKEN IN A SINGLE DISCIPLINE OR RELATED DISCIPLINES.

II. GENERAL EDUCATION REQUIREMENTS

Area A. Language and Rationality

These courses emphasize both the content and form of communication. They teach students the relationship of language to logic, as well as how to analyze, criticize, and advocate ideas, to reason deductively and inductively, and to reach sound conclusions. Courses fulfilling this requirement:

- provide understanding of the psychological and social significance of communication;
- focus on communication from the rhetorical perspective: reasoning, advocacy, organization, accuracy; the discovery, critical evaluation and reporting of information; reading, listening, speaking, and writing effectively;
- provide active participation and practice in written and oral communication.

1. English and Composition (3 units)

_____ English 1A, 51A, 51B

2. Analytical Thinking (3 units)

_____ CIS 14, 15

_____ Math 1A, 1B, 2A, 2B, 10A, 15, 25, 45, 61,
63, 64, 87

Area B. Natural Sciences (3 units for AA - 6 units for AS)

These courses impart knowledge about living and non-living systems, and mathematical concepts and quantitative reasoning with applications. Courses fulfilling this requirement:

- promote understanding and appreciation of the methodologies and tools of science;
- emphasize the influence of scientific knowledge on the development of civilization;
- impart appreciation and understanding of basic concepts, not just skills;
- offer specific inquiry into mathematical concepts, quantitative reasoning and application;

_____ Biology 10, 20, 24, 32, 35, 38, 52

_____ Chemistry 1A, 1B, 2A, 2B, 35

_____ Crop Science 1

_____ Geography 1, 4

_____ Geology 1, 3

_____ Physical Science 1

_____ Physics 2A, 2B, 4A, 4B, 4C

_____ Soil Science 21

Area C. Humanities (3 units)

These courses cultivate intellect, imagination, sensibility, and sensitivity. They encourage students to respond subjectively as well as objectively, and to develop a sense of the integrity of emotional and intellectual responses. Courses fulfilling this requirement:

- study great work of the human imagination;
- increase awareness and appreciation of the traditional humanistic disciplines such as art, dance, drama, literature, and music;
- impart an understanding of the interrelationship between creative art, the humanities, and the self;
- provide exposure to both Western and non-Western cultures;
- include foreign language courses.

_____ Art 2A, 2B, 4, 5A, 12, 13A, 15A, 16A,
16B, 17, 42, 52

_____ English 1B, 25A, 25B, 25C

_____ Geography 3

_____ History 4A, 4B

_____ Humanities 1, 22

_____ Music 1A, 1B, 2A, 2B, 17A, 17B, 17C,
17D, 42, 52

_____ PA 1, 3, 14

_____ Phil 1, 2, 3

_____ Spanish 1, 2, 3, 4, 11, 12, 51, 52, 53, 54

Area D. Social Science (3 units)

These courses explore, at the micro and macro level, the social, political, and economic institutions that underpin society. Courses fulfilling these requirements:

- promote understanding and appreciation of social, political, and economic institutions;
- probe the relationship between these institutions and human behavior;
- examine these institutions in both their historical and contemporary context;
- include the role of, and impact on, non-white ethnic minorities and women;
- include both western and non-western settings.

_____ Anthropology 2

_____ Economics 1A, 1B

_____ Geography 2A, 2B, 3, 18, 51

_____ History 4A, 4B, 17A, 17B, 18

_____ Journalism 40

_____ Political Science 1, 2, 51

_____ Psychology 1, 2, 3, 4, 5

_____ Social Science 32A, 32B

_____ Sociology 1, 2, 3

Area E. Local District Requirements

These courses facilitate an understanding of human beings as integrated physiological, social and psychological organisms. Courses fulfilling this requirement:

- provide selective consideration of human behavior, sexuality, nutrition, health, stress, implications of death and dying, and the relationship of people to the social and physical environment.

_____ * Health Education 35 (3 units)

Activity Courses (2 units, selected from options below, if under 21 at graduation):

_____ ** P. E. Activity Courses
PA 25 Activity Course

- * Any student who has completed more than one year of military service may be granted credit for Health Education 35 (3 units) upon petition.
- * Any student who is a licensed registered nurse or licensed cosmetologist who has not previously received credit in health education may be granted credit for Health Education 35 (3 units) upon petition.
- ** The physical education activity course requirement is waived for students 21 years of age or older.

III. ELECTIVES TO COMPLETE THE TOTAL OF 60 UNITS.**IV. COMPETENCIES****Reading and Writing**

1. Completion of English 51A or 51B or 1A with a grade of C or higher, or
2. Transferring to West Hills College from another accredited college with a C grade or higher in a course equivalent to English 51A or 51B or 1A.

Mathematics

1. Completion of Mathematics 61 or 87 with a grade of C or higher, or
2. Transferring to West Hills College from another accredited college with a C grade or higher in a course equivalent to Mathematics 61 or 87, or
3. Matriculating from an accredited high school to West Hills College with a C grade or higher in a course equivalent to Mathematics 61.

V. MAINTAIN A GRADE POINT AVERAGE OF 2.0 WITHIN THE MAJOR, AND A 2.0 GRADE POINT AVERAGE OVER-ALL.

NOTE: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes.

ASSOCIATE SCIENCE DEGREE REQUIREMENTS

Candidates for the Associate Science degree must have satisfactorily completed all of the requirements for the Associate Arts degree and an additional three units of General Education in the area of natural science. The candidates must also have satisfactorily completed a major with a minimum of 18 semester hours in one of the fields of engineering, physical or biological sciences, or occupational curriculums.

ADDITIONAL ASSOCIATE DEGREE

Students desiring a further associate degree after completing all requirements for either the Associate Arts or the Associate Science degree may qualify for another degree by:

1. Completing all requirements for the additional major. Units used as part of the major program for the first degree shall not be counted toward a subsequent major.
2. Completing necessary application forms for the degree.
3. A minimum of 12 units for the additional degree must be completed in residence.

CERTIFICATE PROGRAMS

Certificate programs are designed to give the student a concentration of skill courses adequate to provide immediate employment capability in a specialized field.

The course content and course patterns have been developed after considerable study of industry and employer requirements.

The advice and recommendations of several lay advisory councils and information obtained in occupational surveys were utilized in the development of these programs.

Certificate requirements include: 1) a grade point average of at least 2.0 in the area of certification, 2) a minimum of 12 units of the total completed in residence, 3) required major courses. The courses required for a major are found in the college catalog under that major. Waiver of any of these courses or substitution of required courses is not permitted.

CERTIFICATE AND ASSOCIATE DEGREE PROGRAMS OFFERED

C = Certificate AA = Associate Degree AS=Associate Science

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* Chemistry	AA/AS 51
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Office Management & Technologies ...	C AA/AS 62
Performing Arts	C AA 62
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Psychiatric Technician	C AA/AS 64
Psychology	AA 65
Social Science	AA 66
Teaching Assistant	C AA/AS 66
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* This indicates that some courses needed to complete these degree programs are offered infrequently. In addition, courses may not be offered at all locations. Please consult the two-year schedule at the back of the catalog.

PROGRAMS OF STUDY

ADMINISTRATION OF JUSTICE

The Administration of Justice program is designed to provide the student an option of emphasizing Law Enforcement or Correctional Science. This program provides introductory and journey level course work in Administration of Justice for local, state, federal, and private enterprise levels. This program enhances student development with philosophical, statutory, practical, and tactical experience and background necessary to successfully compete in a technologically advancing, competitive, and rewarding career field. Upon successful completion of the program the student will be prepared for several career options in the Administration of Justice.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to General Education and college requirements, qualifies the student for an associate degree.

LAW ENFORCEMENT OPTION

Course Number	Title	Units
AOJ 1	Introduction to Criminal Justice	3
AOJ 10	Principles & Procedure of the Criminal Justice System	3
AOJ 12	Written Criminal Justice Communications ...	3
AOJ 16	Human & Community Relations in Criminal Justice	3
AOJ 20	Criminal Law	3
AOJ 22	Criminal Evidence	3
TOTAL		18

CORRECTIONAL SCIENCE OPTION

The following has been recognized as core course requirements by the Commission on Correctional Peace Officers Standards and Training (CPOST) for all new apprentices (entry-level) hired with the Department of Corrections and Department of the Youth Authority after July 1, 1995:

Course Number	Title	Units
AOJ 3	Introduction to Corrections	3
AOJ 4	Control and Supervision in Corrections	3
AOJ 6	Correctional Interviewing and Counseling	3
AOJ 7	Legal Aspects of Corrections	3
AOJ 12	Written Criminal Justice Communications ...	3
AOJ 20	Criminal Law	3
Total		18

In addition to Law Enforcement or Correctional Science option requirements the student must take one of the following:

Course Number	Title	Units
AOJ 5	Concepts of Probation and Parole	3
AOJ 16	Human & Community Relations in Criminal Justice	3
AOJ 24	Criminal Investigation	3
AOJ 29	Crime and Delinquency	3
AOJ 32	Juvenile Delinquency	3
AOJ 15X	Parallel Work Experience	3
AOJ 15XY	Alternate Work Experience	3

OTHER LAW ENFORCEMENT/CORRECTIONAL SCIENCE

OPTIONS CERTIFIED BY POST AND CPOST:

AOJ 50A	PC 832 Arrest Control Module	3
AOJ 50B	PC 832 Firearms Module	5
AOJ 51	Level III Reserve Officer Training	4
AOJ 55	Adult Corrections Officer Core Training Course	9

Recommended Electives:

- AOJ 5, 8, 16, 24, 29, 32, 50A/B, 55
- BUS 80A/B
- ECE 17B
- One or more of: FLSPAN 1, 2, 3, 4, 11, 12, 32 or 51, 52
- PSYCH 1
- SOC 1

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

AGRICULTURE BUSINESS

Agriculture business is the largest employment sector of California agriculture. This major is designed to develop competencies and enhance those skills required within the fields of agri-business, farm and ranch management and agricultural economics.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
AG 10	Introduction to Agriculture	3
AG BUS 11	Agriculture Sales & Marketing	3
AG BUS 15	Computer Application in Agriculture	3
AG BUS 20	Farm & Agriculture Business Management ...	3
AG BUS 24	Agriculture Management Records & Analysis	3
AG BUS 40	Agriculture Economics	3
	Electives taken from list below	<u>8</u>
	Total	26

Recommended Electives:

A SCI 12, 20
AG 15X
AG BUS 53
BUS 1A, 55
SOIL SCI 21

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

ANIMAL SCIENCE

The Animal Science Program is designed to provide study and training in the areas of livestock science. Those involved in this industry apply various factors to improve reproduction, health, nutrition and animal welfare. Core courses in Animal Science utilize a lab/lecture format on our 600+ acre facility. Our hands on approach to education greatly enhances your preparation for employment in the Animal Science industry or continued education.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
AG 10	Introduction to Agriculture	3
A SCI 12	General Animal Science	3
A SCI 14	Livestock Selection and Judging	3
A SCI 20	Feeds and Feeding	3
A SCI 21	Beef Production	3
A SCI 32	Animal Health and Sanitation	3
	Electives taken from the list below	<u>6</u>
	TOTAL	24

Recommended Electives:

AG 15X
AG BUS 15, 24
AG MEC 50, 61
A SCI 10, 59
CRP SCI 6, 11, 13
EQ SCI 1,2,4, 7
SL SCI 21, 22

CERTIFICATE

Course Number	Title	Units
AG 10	Introduction to Agriculture	3
AG MEC 50	Operation of Power Equipment	2
AG MEC 61A	Welding and Metal Working Skills	1
AG MEC 61B	Electrical, Plumbing, & Hand Tool Skills	1
AG MEC 61C	Concrete, Carpentry and Fence Building	1
A SCI 12	General Animal Science	3
A SCI 14	Livestock Judging	3
A SCI 20	Feeds & Feeding	3
A SCI 21	Beef Production	3
A SCI 32	Animal Health and Sanitation	3
CRP SCI 11	Forage Crops	2
WT 40 or 41	Beginning or Intermediate Welding	<u>2</u>
	TOTAL	27

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

ART

The associate degree offers concentrations in Studio Art and Art History. The Studio Art concentration is a general curriculum that provides a broad education in the visual arts. The Art History concentration is recommended for those students who wish to pursue a BA in museum studies.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
ART 2B	Two-Dimensional Design Color & Design ...	3
ART 5A	Basic Drawing	3
ART 13A	Introduction to Ceramic Design Studio	3
ART 15A	Introduction to Painting	3
ART 16A	Survey of Western Art History	3
ART 16B	Survey of Western Art History	3
	Electives taken from list below	<u>3</u>
	TOTAL	21

Recommended Electives:

- Art History Major:
- Foreign Language
- ART 13B, 15B, 42

STUDIO ART MAJOR

All electives in the studio area should conform to area of emphasis (e.g., a painting major would take painting classes; a ceramics major would take ceramic classes).

- ART 12, 15B, 49

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

BIOLOGY

The Biology Program provides students with the opportunity to earn an associate degree in the student's area of specialization and prepares the student for transfer to a four-year institution. Students completing the baccalaureate program or graduate school may be hired in the major or in a related field such as biochemistry, bioengineering, botany, clinical lab technology, environmental biology, forestry, oceanography, range management, wildlife/fisheries biology, or zoology.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Required courses: 12 units from the following:

Course Number	Title	Units
BIO 20	General Zoology	5
BIO 24	General Botany	5
BIO 32	Human Anatomy	4
BIO 35	Human Physiology	4
BIO 38	Microbiology	4
Plus at least 8 units from the courses listed below:		
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
CHEM 2A	Introductory Chemistry	4
CHEM 2B	Introductory Chemistry	4
MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
* PHYSICS 2A	Mechanics and Thermodynamics	4
* PHYSICS 2B	Electricity, Magnetism, Optics and Modern Physics	<u>4</u>
	TOTAL	20

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

BUSINESS

The Business Program of study prepares the student for entry level positions in areas such as bookkeeping, management and retailing. The business program provides a foundation for further study and is valuable for students interested in starting or enhancing their own business. The program provides students with an understanding of the operation of business in the American economic system.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

CERTIFICATE OPTIONS

CORE COURSES

Course Number	Title	Units
BUS 55	Elementary Accounting	4
BUS 56	Applied Intermediate Accounting	3
BUS 20	Introduction to Business	3
BUS 24	Business Mathematics	3
BUS 28	Business Communication	3
CIS 7	Computer Concepts	3
or		
CIS 67	Computer Essentials	3
CIS 34	Introduction to Spreadsheets (Excel)	3
BUS 13A/B	Word For Windows I & II	3
		TOTAL 25

OPTIONS

In addition to the core, the following are required for the options listed below:

BOOKKEEPING (FUNDAMENTAL CERTIFICATE)

Core Courses Only	25
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BUSINESS MANAGEMENT CERTIFICATE

Core	25	
BUS 1A/B	Beginning/Elementary Principles of Accounting (In lieu of BUS 55/56 in Core)	8
BUS 18	Business Law	4
BUS 29	Techniques of Management	3
or		
BUS 32	Small Business Management	3
BUS 35	Human Resources Management	3
		TOTAL 43

RETAIL BUSINESS MANAGEMENT CERTIFICATE

The following courses only:

BUS 1A	Beginning Principles of Accounting	4
or		
BUS 55	Elementary Principles of Accounting	4
BUS 18	Business Law	4
BUS 20	Introduction to Business	3
BUS 28	Business Communications	3
BUS 29	Techniques of Management	3
or		
BUS 32	Small Business Management	3
BUS 35	Human Resources Management	3
CIS 7	Computer Concepts	3
or		
CIS 67	Computer Essentials	3
Electives taken from the list below		(minimum) 3
		TOTAL 30

Recommended Electives for Business:

- BUS 15X, 13A/B, 18, 69
- CIS 7, 8, 42
- ECON 1A/B
- PHIL 3

ADDITIONAL CERTIFICATION: Bilingual emphasis with basic competence in FLSpanish 3, 4, 31

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

BUSINESS ADMINISTRATION

The Business Administration curriculum is intended for those interested in transferring to a four-year college or university to earn a Bachelor of Arts or Science degree. Students are encouraged to consult with business staff to ensure that their course selections reflect their career interest and the career goals of their major.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
BUS 1A	Beginning Principles of Accounting	4
BUS 1B	Elementary Principles of Accounting	4
BUS 18	Business Law	4
CIS 7	Computer Concepts	3
ECON 1A	Macroeconomics	3
ECON 1B	Microeconomics	3
TOTAL		21

Recommended Elective:

MATH 63

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

CHEMISTRY

Options in the chemistry curriculum allow students to prepare for Associate Arts or Science degree level careers as well as the first two years for a wide variety of careers or programs such as:

1. B.S., M.S. and Ph.D. degree careers as a chemist/chemical engineer.
2. Preparation for dental, medical, veterinary, or other professional schools.
3. Preparation for technical B.S., M.S. and Ph.D. level careers in agriculture, allied health, atmospheric, biological, engineering, environmental, oceanographic, or other applied or interdisciplinary science.
4. Chemical technician or K-12 teacher.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an Associate Degree.

Course Number	Title	Units
CHEM 1A	General Chemistry I	5
or		
CHEM 2A	Introductory Chemistry	4
CHEM 1B	General Chemistry II	5
or		
CHEM 2B	Introductory Chemistry	4
* CHEM 5	Quantitative Analysis	4
* CHEM 8	Organic Chemistry	3
* CHEM 9	Organic Laboratory	3
TOTAL		18/20

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

Recommended electives for transfer students:

MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
* MATH 2A	Multivariate Calculus	4
* MATH 2B	Differential Equations	4
* PHYSICS 4A	Classical Mechanics	4
* PHYSICS 4B	Electricity, Magnetism, & Waves	4
* PHYSICS 4C	Thermodynamics, Optics & Modern Physics	4

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

COMPUTER INFORMATION SYSTEMS

The Computer Information Systems Program at West Hills College teaches concepts, procedures and terminology, as well as the skills and applications necessary to operate computers and network systems.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

CERTIFICATE CORE COURSES

Core Courses required for options I and II.

Course Number	Title	Units
BUS 13A/B	Word for Windows I & II	3
or		
BUS 20	Introduction to Business	3
BUS 24	Business Mathematics	3
CIS 7	Computer Concepts	3
CIS 19B	Database Creation & Management (Access) ..	3
CIS 34	Introduction to Spreadsheets (Excel)	3
CIS 72	Introduction to Networking	1
TOTAL		19

OPTIONS

In addition to the core, the following are required for the options listed below:

OPTION I - MICROCOMPUTER APPLICATIONS SPECIALIST CERTIFICATE

Microcomputer Applications Specialists are the computer hardware and software troubleshooters in many offices. They are expected to type quickly and accurately, speak and write clearly and precisely and use administrative office skills as they work with a variety of computer users. They are expected to work with many users instead of reporting to one supervisor. Some employers also desire bilingual ability.

Duties may include some of the following responsibilities: troubleshoot for users who have questions about software and hardware, select or load software, create macros or master forms, write user-friendly instructions on how to use new software upgrades, maintain software updates, train staff on the use of new software or hardware and maintain databases.

Job Market: The production nature of this position makes varied shifts available. Substantial growth is expected, particularly in those industries that generate vast quantities of written records. This job is for people who like to type. Pay depends on the type and size of company.

Course Number	Title	Units
Core Courses		19
CIS 42	System Design and Analysis	3
CIS 47	Networking Technologies	3
CIS 65B	Internet Web Page Creation5
CIS 80	Upgrading, Repairing & Construction of PC's	3
TOTAL		28.5

OPTION II - COMPUTER NETWORKING CERTIFICATE

The Computer Networking Certificate program prepares individuals to become Computer Network Specialists. The networking courses are designed to provide students with the knowledge and experience required by a Novell Certified NetWare Engineer (CNE) and/or Microsoft Certified System Engineers (MSCE). Students who complete either the Novell CNE or Microsoft MCSE track should have the information required for the industry certification in their chosen track. The Computer Networking Certificate provides information on selecting and installing network file servers, workstations, network interface cards and network connectivity products.

Job Market: Network Specialists have in-depth knowledge of networking hardware and software systems. They provide expertise to both large and small companies as Network System Administrators, Network Systems Managers, and Network Hardware Technicians. In large companies, the MIS departments now include positions for Communication and Networking Specialists that plan, manage, and maintain the local area networks that are replacing the minicomputers and mainframes. The position of Network Specialist can lead to advanced positions in sales, management and technical support of communication systems.

Course Number	Title	Units
Core Courses		19
CIS 10	Microcomputer Concepts & DOS	1
CIS 42	System Design & Analysis	3
CIS 43A	LAN System Administration, NetWare 4.X ..	2
CIS 43B	LAN Advanced Administration, NetWare 4.X	2
CIS 45	NetWare 4 Install & Configure	1
CIS 46	NetWare 4 Design & Implementation	1
CIS 47	Networking Technologies	3
TOTAL		32

OPTION III - NETWORK ADMINISTRATOR CERTIFICATE

The Network Administrator Certificate program prepares individuals to become certified Network Administrators. The networking courses in this option are designed to provide students with the knowledge and experience required by a Novell Certified NetWare Administrator (CNA). Students who complete this program have the necessary information to successfully pass the CNA exam to fulfill the certifications requirement.

Course Number	Title	Units
CIS 10	Microcomputer Concepts & DOS	1
CIS 72	Introduction to Networking	1
CIS 43A	LAN System Administration, NetWare 4.X .	<u>2</u>
		TOTAL 4

OPTION IV - CISCO

The Program is a series of sequential courses starting with CIS 50, Cisco Networking essentials, and culminating with CIS 53, Advanced Network Management.

The courses comprising this option are:

Course Number	Title	Units
CIS 50	Networking Essentials – CISCO	4
CIS 51	Interconnecting CISCO Network Devices	4
CIS 52	Advanced Routing & Switching	4
CIS 53	Advanced Network Management	<u>4</u>
		16

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

CROP SCIENCE

California is a world and national leader in crop production. Completion of a certificate or associate degree program provides the student with the knowledge and skills to enter a challenging career in food and fiber production.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

CERTIFICATE

Course Number	Title	Units
AG 10	Introduction to Agriculture	3
CRP SCI 1	Introduction to Plant Science	3
CRP SCI 11	Forage Crops	2
CRP SCI 13	Field Crops	3
CRP SCI 16A	Introduction to Insect Pest Management	1
CRP SCI 16B	Introduction to Weed Management	1
CRP SCI 16C	Introduction to Plant Disease Management ..	1
CRP SCI 18A	Cool Season Vegetable Crop Production	1.5
CRP SCI 18B	Warm Season Vegetable Crop Production ..	1.5
CRP SCI 19	Water Management	2
SL SCI 21	Soils	4
AG MEC 50	Equipment Safety and Operation	2
AG MEC 58A	Tillage & Land Preparation Equipment5
AG MEC 58B	Seed Bed Preparation & Planting Equipment5
AG MEC 58C	Plant Tillage, Spraying & Harvesting Equip.....	.5
AG MEC 58D	Hay and Forage Handling Equipment5
	Electives	<u>3</u>
		TOTAL 30

Recommended Electives:

- AG 15X
- AG BUS 11, 15, 20, 24
- AG MEC 56A/B/C, 61A/B/C, 72
- CRPSCI 6

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

EARLY CHILDHOOD EDUCATION

The West Hills Community College Early Childhood Education program offers a comprehensive background in the field of child growth and development as it pertains to young children. Students will be offered information and skills for potential employment in federal, state, non-profit, or privately owned early childhood educational program/schools. Courses in this program will help the student qualify for a West Hills College Early Childhood Education Certificate and partially qualify the student for a Child Development Permit from the State of California, Commission for Teacher Preparation and Licensing. See Child Development Permit requirements under Associate Degree in Early Childhood Education.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

CHILD DEVELOPMENT PERMIT

A Child Development Permit (issued by the State of California, Commission for Teacher Preparation and Licensing) consists of a sequence of titles and educational requirements. The following is a partial overview of the required courses needed.* A complete Child Development Permit matrix and explanations of core courses and specific general education classes needed to complete state requirements can be obtained from the Early Childhood Education Department.

* Child Development Permit

Title	Education Requirement
Assistant	6 units of Early Childhood Education.
Associate Teacher	12 units of ECE including core courses.
Teacher	24 units of ECE including core courses and 16 units of general education.
Master Teacher	24 units of ECE including core courses, 16 units of general education; 6 specialization units; plus 2 units adult supervision.
Site Supervisor	AA (or 60 units) with 24 units of ECE (including core courses); 6 units administration; plus 2 units adult supervision.
Program Director	BA with 24 units of ECE (including core courses); 6 units administration; plus 2 units adult supervision.

* The Child Development Permit also requires documented experience.

** *Specialization Units:* The Child Development Permit, Master Teacher level requires the following units:

TITLE OF SPECIALIZATION: FAMILY ISSUES

Course Number	Title	Units
ECE 4	Parenting	3
Electives: (choose 3 units)		
ECE 17A	Sex Education for Parents and Teachers	1
ECE 17B	Child Abuse Recognition and Prevention	1
ECE 17C	Single Parenting	1
ECE 20B	Child Centered Guidance	1
ECE 23	Domestic Abuse Recognition and Prevention	1
		TOTAL 6

The 6 specialization units can be part of the West Hills College Early Childhood Education Certificate as well as part of the Child Development Permit issued by the State of California, Commission for Teacher Preparation and Licensing. See the Early Childhood Education Certificate requirements and request a copy of the Child Development Matrix from the Early Childhood Education Department.

CERTIFICATE

Course Number	Title	Units
ECE 5	Child Development	3
ECE 10	Child, Family and Society	3
ECE 12A	Principles/Practices of ECE	3
ECE 12B	Principles/Practices of ECE Practicum	3
ECE 15	Literature and Language Arts for Young Children	3
ECE 18	Health, Safety and Nutrition	3
ECE 48	Infant and Child CPR/First Aid for ECE	1
Electives taken from the list below		11
		TOTAL 30

Recommended Electives:

ECE 4, 11, 16, 17A/B/C, 20A/B/C, 21, 23

ADMINISTRATIVE CERTIFICATE IN EARLY CHILDHOOD EDUCATION

Students who earn this certificate may qualify to become a director/administrator of a state, federal, non-profit, or privately owned children's program. Courses within this certificate meet state mandated requirements. It is advised that students follow the Child Development Permit course matrix sequence and check the advisory recommendations before taking administrative course work. A matrix can be obtained from the Early Childhood Education Department. In order to receive the Early Childhood Education Administrative Certificate, a student must have earned a West Hills College Early Childhood Education Certificate and complete the following courses:

Course Number	Title	Units
ECE 14A	Administration & Supervision of Children's Programs	3
ECE 14B	Administration & Supervision of Children's Programs Practicum	3
ECE 22	Supervising Adults Working in Children's Programs	2
	Computer and/or Business Electives	4
	TOTAL	12

Electives: It is recommended that students choose computer and/or business classes that meet their educational needs.

FAMILY DAY CARE CERTIFICATE

The Family Day Care Certificate provides an introduction to family day care, including health and safety issues, childhood nutrition, the development of children, child-centered guidance, curriculum, sound business practices, child abuse reporting, and working with adults in the family day care setting. Other issues addressed will include state regulations and guidelines for operating a family day care.

A Family Day Care Certificate provides certification to persons desiring to own and operate a licensed family day care. Under instruction and classroom observational assignments, the student will gain practical experiences as to the job-related responsibilities for operating an in-home facility.

Required Specialization Units:

Course Number	Title	Units
ECE 19	Home Day Care	2
ECE 20B	Child Centered Guidance	1
ECE 20C	Personal and Professional Development	1
ECE 17B	Child Abuse	1
ECE 48	Infant and Child CPR/First Aid for ECE	1
	Total required Units:	6

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.



ENGINEERING

(ALL BRANCHES)

Students with an interest in engineering can earn an associate degree and develop knowledge and skills necessary to transfer to a four-year degree program. Students completing a bachelor's degree, a master's degree, or a PhD have a variety of career options including self-employment, employment in industry, teaching, and university research. Advances in science and technology have led to whole new branches of engineering. In addition to the traditional branches of civil, mechanical, industrial, electrical/electronic and chemical engineering, whole new interdisciplinary fields have evolved such as biomedical engineering.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
CHEM 1A	General Chemistry I	5
* ENGR 35	Vector Statics	3
MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
* MATH 2A	Multivariate Calculus	4
* PHYS 4A	Classical Mechanics	4
* PHYS 4B	Electricity, Magnetism & Waves	4
* PHYS 4C	Thermodynamics, Optics, & Modern Physics	<u>4</u>
TOTAL		34

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

Recommended for transfer students:

CHEM 1B	General Chemistry II	5
* MATH 2B	Differential Equations	4

Special note: In addition to the general engineering curriculum, the following courses are recommended for chemical engineering majors :

* CHEM 5	Quantitative Analysis	4
* CHEM 8	Organic Chemistry	3
* CHEM 9	Organic Chemistry Lab	3

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

Recommended Electives:

ENG 1A/B
 GEOL 1, 3
 HIST 17A
 PHIL 1
 PSYCH 1

EQUINE SCIENCE

Equine Science prepares students for employment in California's billion dollar horse industry. The program emphasizes a well-rounded course of study which includes business classes and basic mechanics classes as well as hands on horse production and management courses. Student graduates will receive training in basic skills required to become employable as: horse farm manager, farrier, groomer, horse farm assistant, equine event coordinator, horse trainer, trainer's assistant, stallion/breeding manager, equine feed or medical supply sales.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

CERTIFICATE

Course Number	Title	Units
AG 10	Introduction to Agriculture	3
AG MEC 50	Equipment Safety and Operation	2
A SCI 20	Feeds and Feeding	3
A SCI 32	Animal Health and Sanitation	3
EQ SCI 1	Beginning Horsemanship	1
EQ SCI 2	Introduction to Western Horsemanship	1
EQ SCI 3	Colt Starting	2
EQ SCI 4	Elements of Horse Management	3
EQ SCI 5	Horseshoeing	2
EQ SCI 7	Equine Breeding and Foal Care	2
	Electives taken from the list below	4
	TOTAL	26

Recommended Electives:

- AG 15X, 49
- AG BUS 15
- A SCI 12
- CROP SCI 11

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

GEOGRAPHY

The Associate Degree in Geography is designed to provide the West Hills College transfer student with those lower division courses that can be applied to a Geography major or minor at the upper division level.

The program consists of 24 units that fit primarily Social, but also Physical Science majors. Geography's overall integration of the Social and Physical Sciences causes it to be applicable at the Associate, Bachelor, or Master's level to a number of careers including regional and urban planning, teaching, remote sensing intelligence and interpretation, real estate, cartography, plus environmental engineering and management.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
GEOG 1	Physical Geography	4
GEOG 2A	World Regional Geography I.....	3
GEOG 2B	World Regional Geography II	3
GEOG 3	Cultural Geography	3
GEOG 18	Geography of California	3
GEOG 10	Urban Los Angeles Field Course	1
GEOG 11	Death Valley Field Course	1
GEOG 12	Grand Canyon Field Course	1
GEOG 13	Urban San Francisco Field Course	1
GEOL 1	Physical Geology	4
	TOTAL	24

Recommended Electives:

- CIS 7, 15
- GEOL 3
- MATH 25

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

GEOLOGY

Geology trains individuals in the physical aspects and history of the earth. These individuals are then able to locate natural resources such as petroleum and minerals and work in laboratories. They also advise construction companies and government agencies. Some administer and manage research and exploration programs; others work in environmental research. Geologists also work in related fields such as drafting, engineering technology, petroleum engineering, surveying, and science teaching. Geologists, in general, are analytical, curious, able to work as a team, and are required to communicate effectively.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
GEOL 1	Physical Geology	4
GEOL 3	Historical Geology	4

Plus (10) ten units from the list below:

CHEM 1A	College Chemistry I	5
CHEM 1B	General Chemistry II	5
CHEM 2A/B	Introductory Chemistry	8
* PHYS 2A	Mechanics and Thermodynamics	4
* PHYS 2B	Electricity, Magnetism, Optics, Modern Physics	4
* PHYS 4A	Classical Mechanics	4
* PHYS 4B	Electricity, Magnetism, & Waves	4
* PHYS 4C	Thermodynamics, Optics & Modern Physics	4
TOTAL		18

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

Courses recommended for those students pursuing a B.A. degree in Geology.

CHEM 2AB	Introductory Chemistry	8
GEOL 1	Physical Geology	4
GEOL 3	Historical Geology	4
* PHYS 2A	Mechanics and Thermodynamics	4
* PHYS 2B	Electricity, Magnetism, Optics, Modern Physics	4
TOTAL		24

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

Recommended Electives:

BIO 20
CIS 15

Courses recommended for those students pursuing a B.S. degree in Geology.

Course Number	Title	Units
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
GEOL 1	Physical Geology	4
GEOL 3	Historical Geology	4
MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
* PHYS 4A	Classical Mechanics	4
* PHYS 4B	Electricity, Magnetism, & Waves	4
* PHYS 4C	Thermodynamics, Optics & Modern Physics	4
TOTAL		40

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

Recommended Electives:

BIO 20
CIS 15

HEALTH SCIENCE

(GENERAL)

The Health Science General program is designed for those students planning to transfer to two-year institutions to attain specific and additional training in a particular field of study such as dental hygiene, health care assistant, nursing, and radiology technician. Requirements for admission to each of these programs vary among institutions.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
BIO 32	Human Anatomy	4
BIO 35	Human Physiology	4
BIO 38	Microbiology	4
CHEM 1A	General Chemistry	5
or		
CHEM 2A	Introductory Chemistry	4
NUT 1	Basic Nutrition	3
		TOTAL 19/20

Recommended Electives:

- PSYCH 1
- SOC 1

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

HEALTH SCIENCE

(PRE-PROFESSIONAL)

The Health Science Pre-Professional program is designed for students who wish to transfer to a four-year institution to pursue professional training in the areas of dentistry, medicine, nursing, and pharmacy. Requirements for admission to each of these programs vary among institutions.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
BIO 20	General Zoology	5
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
* PHYSICS 2A	Mechanics and Thermodynamics	4
* PHYSICS 2B	Electricity, Magnetism, Optics and Modern Physics	4
		TOTAL 33

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

Recommended Electives:

- PSYCH 1
- SOC 1

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

HUMANITIES

The Humanities program provides the opportunity to achieve an associate degree. The program provides introductory lower division work. The major is made up of 18 units in the fields of Humanities, Philosophy, Foreign Language, Art, Music, English, History, and Speech. The program prepares students to become enlightened citizens equipped with the broad cultural background essential to studies in the fields of education, philosophy, literature, law, government, journalism, public service, and business.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
HUM 1	Introduction to Western Culture	3
HUM 22	Introduction to Comparative Religion	3
PHIL 1	Introduction to Philosophy	3
PHIL 2	Introduction to Logic	3
	Electives taken from the list below	6
	TOTAL	18

Recommended Electives:

ART 16A/B
 ENG 1B, 25A/B/C
 FLSPN
 HIST 4A/B
 MUS 42
 PHIL 3

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

LIBERAL ARTS

The Liberal Arts Associate Degree Program affords the student a broad-based study in human culture, behavior and the sciences. It is designed to provide the entry-level skills and knowledge for students who might later transfer to a four-year institution and specialize in the teaching profession.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

A student may qualify for a Liberal Arts major by completing six (6) units of course work in three (3) of the following areas for a total of 18 units. Units that satisfy one area cannot be used in another.

ART/PERFORMING ARTS/MUSIC

Art 2B, 5A, 13A, 15A, 16A, 16B, 42, 52

Music 42, 52

Performing Arts 1, 3, 6, 14, 21, 35, 42A, 42B, 42C

ENGLISH/SPEECH

English 1A, 1B, 21, 25A, 25B, 25C, 51A, 51B

Speech 1, 3, 4, 5, 51

NATURAL & LIFE SCIENCE

Biology 10, 20, 24, 32, 35, 38, 52

Chemistry 1A, 2A, 1B, 2B, 5, 8, 9, 35

Crop Science 1

Geography 1

Geology 1, 3

Physics 2A, 2B, 4A, 4B, 4C

Physical Science 1

Soil Science 21

HUMANITIES - PHILOSOPHY

History 4A, 4B

Humanities 1, 22

Philosophy 1, 2, 3

FOREIGN LANGUAGE

FLSpanish 1, 2, 3, 4, 11, 12, 51, 52, 53, 54

PSYCHOLOGY - SOCIOLOGY

Psychology 1, 2, 3, 4, 5
Sociology 1, 2, 3

SOCIAL SCIENCE

Economics 1A, 1B
Geography 2A, 2B, 3, 18
History 17A, 17B
Political Science 1, 2
Psychology 1
Sociology 1

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

MATHEMATICS

The Mathematics Associate Degree allows students to begin preparation for careers in quantitative professions such as actuarial science, education, computer programming, systems analysis, and operations research analysis. In addition, a strong background in mathematics facilitates employment in fields such as engineering, economics, finance, and genetics.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

GENERAL REQUIREMENTS - 18 UNITS FROM THE FOLLOWING:

Course Number	Title	Units
MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
* MATH 2A	Multivariate Calculus	4
* MATH 2B	Differential Equations	4
MATH 15	Precalculus	5
* PHYS 4A	Classical Mechanics	4
* PHYS 4B	Electricity, Magnetism and Waves	4
* PHYS 4C	Thermodynamics, Optics and Modern Physics	4

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

Recommended for the transfer student:

- BIO 20
- CHEM 1A/B
- ENG 1A/B
- * ENGR 35
- HIST 17A
- PHIL 1
- PSYCH 1

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

OFFICE MANAGEMENT AND TECHNOLOGIES

The Office Management and Technologies program offers a variety of options that guide students toward successful employment in business and government.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

CERTIFICATE

CORE COURSES

Course Number	Title	Units
BUS 81A/B	Intermediate Keyboarding & Document Processing I & II	3
Bus 15X	Work Experience	1-4
Bus 13A/B	Word for Windows I & II	3
or		
Bus 20	Introduction to Business	3
Bus 28	Business Communication	3
Bus 59	Business English	3
Bus 67	Filing and Records Management	2
CIS 34	Introduction to Spreadsheets	3
	Total 21/24	

OPTIONS

In addition to the core, the following are required for the options listed below:

CLERK TYPIST CERTIFICATE

Core	21/24
taken from the list below (minimum)	
	TOTAL 28/31

SECRETARY/WORD PROCESSING CERTIFICATE

Core	21/24	
CIS 8	Microcomputer Operating Environment: Windows	2
CIS 21	Desktop Publishing	3
	TOTAL 26/29	

Approved Electives for Office Management & Technologies Majors

BUS 1A, 18, 24, 35, 55, 63, 80

CIS 7, 9, 19B, 21, 34, 35

PHIL 3

ADDITIONAL CERTIFICATION: Bilingual emphasis with basic competence in FLspanish 3, 4, 31

PERFORMING ARTS

What is the Edward James Olmos Teatro de las Americas Academy?

The Edward James Olmos Teatro de las Americas Academy offers students the opportunity to develop skills in performing arts and television video production as they apply to the modern world of communications and education. Teatro offers a transfer-level associate degree and two certificate programs. Many graduates may find their Teatro training to be an asset in careers such as advertising, public relations, business, law, and politics. The rapid expansion of worldwide performing arts in communications and home video entertainment promises even more opportunities in the field.

ADMISSION REQUIREMENTS AND PROCEDURES

Edward James Olmos Teatro de las Americas (Teatro) program is an Academy. In order to receive an associate degree or certificate from the Teatro Academy, an application for admission to the Academy is required. The application procedure does not limit enrollment in the Academy or in any of its courses. ***All students who complete the application process will be admitted to the Teatro Academy.*** The process is not to be confused with the application for admission to West Hills College which is separate and must be completed by all students intending to attend West Hills College.

The application process includes completion of a **Teatro application form, a complete educational plan, and an audition or interview.** In addition, the same entrance requirements are required for admission to West Hills College. The Teatro Academy is designed for the highly motivated, high achieving student.

Upon receipt of the above materials, students will be mailed an acknowledgment and a schedule of audition/interview dates and locations. All students new to the Teatro Academy are strongly encouraged to live in the WHC residence halls.

ASSOCIATE DEGREE - TRANSFER

The associate degree offered by the Teatro Academy is intended to be a transfer level degree. All courses taken must be transfer-level courses in order to be counted toward associate degree requirements. If you have selected the particular four-year college to which you eventually wish to transfer, you should use the college catalog of that institution as the principle guide for determining the first two years of your program. It is important that you work closely with a counselor to ensure that the general education and elective courses you take are transfer level.

Completion of the following performing arts courses plus the general education and college requirements qualifies the student for an Associate Arts Degree.

ASSOCIATE DEGREE

MAJOR COURSES REQUIRED

Course Number	Title	Units
PA 1	Introduction to Theater	3
PA 6	Touring Theater	3
PA 14	Fundamentals of Acting	3
PA 21	Play Production	2
PA 35	Theater Crafts	3
PA 42A	Television Production Camera Operation	<u>4</u>
		TOTAL 18

Strongly Recommended Electives:

PA 25	Theater Dance
PA 42B	Television Production Editing
PA 42C	Television Production Project

GENERAL EDUCATION/TRANSFER REQUIREMENTS (FOR A MINIMUM OF 42 UNITS):

Please see general education section in catalog for details. All courses completed must be transfer level numbered 1-49.

CERTIFICATES

TELEVISION PRODUCTION

PA 32	Stage /Television Lighting & Sound	3
PA 42A	Television Production Camera Operation	4
PA 42B	Television Production Editing	4
PA 42C	Television Production Project	4
WE 15XX	General Work Experience	<u>2</u>
		TOTAL 17

TECHNICAL THEATER PRODUCTION

PA 1	Introduction to Theater	3
PA 6	Touring Theater	3
PA 21	Play Production	1-3
PA 32	Stage /Television Lighting & Sound	3
PA 35	Theater Crafts	3
PA 42A	Television Production Camera Operation	<u>4</u>
		TOTAL 17/19

PHYSICAL EDUCATION

The Physical Education curriculum is designed to provide the opportunity to achieve an associate degree in the student's area of specialization. While a baccalaureate degree is recommended preparation for those considering professional careers in this field, the completion of this suggested program will demonstrate commitment to the field and provide comprehensive preparation for upper division work.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
BIO 32	General Human Anatomy	4
BIO 35	Human Physiology	4
NUT 1	Basic Nutrition	3
PE 40	Introduction to Physical Education	3
PE 46	Care & Prevention of Athletic Injuries	2
PE Activity Course	Four units taken from list below	<u>4</u> (must be four different courses)
		TOTAL 20

Activity Courses:

PE 1, 2, 3, 7, 8, 9, 11, 12, 13, 16, 17, 18, 20, 21, 22, 23, 25AB, 26, 51, 52

Recommended Electives:

EA 31
PE 34, 38, 44A, 45A, 45B, 48, 55, 57
PSYCH 1

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

PHYSICS

Graduates with degrees in physics have a variety of career options. Those with a B.S. degree may work in industry or teach in grades K through 12. Those with a M.S. degree may also teach at the community college level and, those with a PhD may teach and do research at universities. In industry, some physicists work with engineers to design and develop useful devices and systems. Others pursue programs of pure or applied research as do their colleagues at universities.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
CHEM 1A	General Chemistry I	5
MATH 1A	Introduction to Calculus	5
MATH 1B	Calculus with Applications	5
* MATH 2A	Multivariate Calculus	4
* PHYS 4A	Classical Mechanics	4
* PHYS 4B	Electricity, Magnetism & Waves	4
* PHYS 4C	Thermodynamics, Optics, & Modern Physics	4
TOTAL		31

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

Recommended for the transfer student:

CHEM 1B
ENG 1AB
* ENGR 35
* MATH 2B
HIST 17A
PHIL 1
PSYCH 1

** This course is offered infrequently. Check the two-year schedule in the back of the catalog.*

PSYCHIATRIC TECHNICIAN

The Psychiatric Technician Program will prepare the student for employment in state hospitals or any facility requiring psychiatric technicians. Upon completion of the Psychiatric Technician certificate or associate degree, the student qualifies to take the licensure exam from the California Board of Vocational Nursing and Psychiatric Technicians.

This is an intensive 12-month certificate program. Classes will be held at the college or local hospitals, mental health facilities, Atascadero State Hospital, or other nearby approved facilities able to accommodate the clinical aspects of instruction.

For consideration of eligibility to the Psychiatric Technician Program, applicants must meet the following criteria:

1. Be 18 years of age or older.
2. Show evidence of high school graduation or the equivalent (GED or CHSPE).
3. Submit an application to West Hills College.
4. Submit a current application to the Psychiatric Technician Program.
5. Take the West Hills College assessment tests.
6. Show proficiency in English or Mathematics by completing English 105 (or the equivalent) AND Math 87 or Math 101 (or the equivalent) all with a C grade or better OR have equivalent scores on the West Hills College assessment exams.
7. Completed physical and criminal background check.
8. Completed the course PSY TEC 10 (Introduction to Psychiatric Technician) with a passing grade.

Meeting each of these criteria does not guarantee admission to the Psychiatric Technician Program or the next beginning class. Completion of the above makes the applicant eligible for consideration for admission to the program.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
PSY TEC 10	Introduction to Psychiatric Technician	1
PSY TEC 12	Nursing Science	18.5
PSY TEC 14	Psychiatric Nursing	18.5
PSY TEC 16	Care of the Developmentally Disabled	17
Total		55

CERTIFICATE

Course Number	Title	Units
PSY TEC 10	Introduction to Psychiatric Technician	1
PSY TEC 12	Nursing Science	18.5
PSY TEC 14	Psychiatric Nursing	18.5
PSY TEC 16	Care of the Developmentally Disabled	<u>17</u>
	Total	55

PSYCHOLOGY

The Psychology Associate Degree program is designed to provide entry-level skills and knowledge for the student transferring to a four-year institution with a major in psychology. The psychology major requires 18 units in psychology and related fields. Psychology is the scientific study of behavior and mental processes. Course work in this program will provide a better understanding of human behavior in the areas of biological psychology, life-span development, states of consciousness, learning, memory, intelligence, personality, abnormal behavior, therapy, and social psychology. The psychology major prepares students for four-year programs with emphasis in psychology, counseling, child development, educational psychology, education, social work, sociology, human services, and nursing.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
PSYCH 1	General Psychology	3
PSYCH 2	Abnormal Psychology	3
PSYCH 3	Developmental Psychology	3
PSYCH 4	Personal Psychology	3
PSYCH 5	Biological Psychology	3
	Electives taken from list below	<u>3</u>
	TOTAL	18

Recommended Electives:

- BIO 32, 35
- CIS 7
- MATH 25
- PSYCH 8
- SOC 1, 2

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

SOCIAL SCIENCE

The Social Science Associate Degree program is designed to provide the transfer social science major the opportunity to achieve an associate degree with specialization of the student's choice. The program provides introductory lower-division work in the Social Sciences. The major is made up of 24 units in the fields of Economics, Geography, History, Political Science, Psychology, and Sociology. The program prepares students to be enlightened citizens equipped with the broad cultural background essential to studies in the fields of education, philosophy, literature, law, government, journalism, public service, and business; all of which today demand a grasp of vital domestic and foreign concerns.

ASSOCIATE DEGREE

Refer to the General Education Requirements for specific information regarding general education, unit, and scholarship requirements. Completion of the following program requirements, in addition to the general education and college requirements, qualifies the student for an associate degree.

Course Number	Title	Units
ECON 1A	Macroeconomics	3
ECON 1B	Microeconomics	3
GEOG 3	Cultural Geography	3
HIST 17A or B	History of the United States	3
POL SCI 1	American Government	3
PSYCH 1	General Psychology	3
SOC 1	Introduction to Sociology	3
	Electives taken from the list below	<u>3-6</u>
	TOTAL	24/27

Recommended Electives:

To further a particular area of study, these electives are available:

- ANTHRO 2
- AOJ 1
- GEOG 1, 2A/B, 18
- HIST 4A/B
- HUM 1
- POL SCI 2
- PSYCH 2, 3, 4, 5
- SOC 2, 3
- SOC SCI 32A/B

TRANSFER

Students who have selected the particular four-year college to which they eventually wish to transfer should use the college catalog of that institution as the principle guide for determining the first two years of their program.

TEACHING ASSISTANT

California's recruitment of teachers will provide one of the fastest growing opportunities over the next decade. West Hills College responds to the growing need by offering two teaching assistant certificates. The teaching assistant curriculum will provide students with the opportunity to enhance their abilities to perform various teaching assignments in an elementary, secondary, middle school, senior high classroom, and adult education setting.

CERTIFICATE

TEACHING ASSISTANT - ELEMENTARY

Course Number	Title	Units
EA 31	Introduction to Teaching	3
ECE 10	Child, Family and Society	3
ECE 16	Creative Activities for Young Children	3
ECE 5	Child Development	3
ECE 4	Parenting	3
	Electives	<u>2</u>
	Total	17

Recommended Electives:

- Art 4, 12
- CIS 8
- HE 35
- MUS 1A/B, 42/52
- PE 48
- PSYCH 1
- EA 55, 56, 57

TEACHING ASSISTANT - SECONDARY

Course Number	Title	Units
EA 31	Introduction to Teaching	3
ENG 1A	Composition and Reading	3
	or	
ENG 51A	Introduction to Communication Skills	3
	or	
ENG 51B	Intermediate Communication Skills	3
Math 45	Contemporary Math	3
	or	
Math 87	Mathematics for Life	3
EA 15X	Cooperative Work Experience	3
	Electives	<u>5</u>
	Total	17

Recommended Electives:

- Art 5A, 15A, 13A, or 42
- BIO 10
- CIS 8
- ENG 1A
- GEOG 2A, 2B, 3, or 18
- HE 35
- HIST 4A, 4B, 17A, or 18
- MATH 10A, 25, or 45
- MUS 42
- PE 48
- PHYSICI 1
- POLSCI 1 or 2
- PSYCH 5 or ECE 5
- SP 1
- EA 55,56, 57

TRADE, TECHNOLOGY AND INDUSTRY

CERTIFICATE

TRUCK DRIVING CERTIFICATE

Course Number	Title	Units
DT 72	Commercial Truck Orientation	3
DT 73	Commercial Truck Orientation Lab	1
DT 90	Truck Driving	5
DT 91	Advanced Truck Driving	6
DT 93	Truck Driving Laboratory	3
	Recommended Electives	<u>6</u>
	TOTAL	24





COURSE INFORMATION

GENERAL INFORMATION

OPEN ENROLLMENT

It is the policy of West Hills College, unless specifically exempted by statute, every course section or class, the average daily attendance of which is to be reported for state aid, wherever offered and maintained by the District, shall be fully open to enrollment and participation by any person who has been admitted to the College and who meets such prerequisites as may be established pursuant to Chapter 11, Division 2, Part VI, Title 5 of the California Administrative Code, commencing with Section 41820.

UNIT OR CREDIT VALUE

Each course carries a certain credit or unit value. The amount is indicated in parentheses at the right of the title. A lecture class requires the equivalent of one academic hour, (50 minutes) per week for each semester unit conferred. Laboratory classes require three academic hours, (150 minutes) per week for each semester unit conferred.

PREREQUISITE

Prerequisites are prescribed courses covering skills and or knowledge that is normally expected to be acquired prior to enrolling in another course. The intent of prerequisites is to ensure that any student enrolling in a course in which specific information is required will have the necessary background so that every opportunity exists to experience success. Therefore, any course with a prerequisite presumes that subject matter will be acquired in a sequential way.

COREQUISITE

Corequisites are courses that a student is required to take simultaneously in order to enroll in another course.

SUCCESSFUL COMPLETION OF A PREREQUISITE/ COREQUISITE

Successful completion is defined as a grade C or better for the minimum prerequisite/corequisite requirement.

Students enrolling in courses without the appropriate prerequisite may find that they are ill-prepared to continue their studies in that course. Prerequisites are designed to enhance success. Please refer to the West Hills College prerequisite policy in the Academic Regulations portion of this catalog.

CLASS HOURS

The number of classes or lecture periods and of shop or laboratory periods for each week is indicated in the course description for

each. The schedule of classes, which is available at the time of class registration, will indicate which periods of the day and which days of the week the class is scheduled to meet.

Courses are classified by subjects as they exist at West Hills College. All courses within an area usually count towards a major in that area. Other institutions may classify their courses differently. Transfer students should consult the catalog of the four-year college to which they intend to transfer for its classification of identical or comparable courses.

COURSE NUMBERING

Courses Numbered 1-49 are baccalaureate level (transfer) courses. Courses thus numbered are transferable to four-year institutions. Agriculture courses are designed to parallel the work taught in similar courses at California Polytechnic State University or at California State University, Fresno but may not carry the same number.

Courses Numbered 50-99 are associate degree level courses. Courses thus numbered are primarily for the student who does not plan to continue his/her education beyond the community college level; however, occupational education courses may transfer according to articulation agreements. Complete information on articulation is available through the Counseling Center.

Courses in some subject areas that are traditionally taught as combination lecture-laboratory courses at four-year colleges are split into two separate courses: one a lecture course for transfer students and one a laboratory course for both transfer and non-transfer students. Students wishing to transfer must take both the lecture and laboratory courses.

Courses Numbered 100-199 are non-transfer and are non-degree applicable; they are skill building or remedial.

NOTE: In case of transfer and non-transfer courses taught concurrently, a student may receive credit only for the course in which he/she is enrolled, not both. A student cannot change from one course to the other except according to regular drop/add procedures. He/She should be guided by the course description and may need to consult a counselor or advisor for aid.

COURSE NUMBERS COMMON TO ALL DISCIPLINES

30/60 EXPERIMENTAL COURSES

Class Hours: 18 lecture hours or 54 laboratory hours for each semester unit.

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility. A required course description identifies each course subject. These courses may be taken for CR/NC.

49/99 DIRECTED STUDY COURSES (1-2)

No more than 2 units per semester per 49/99 series.

Class Hours: 54 laboratory for each semester unit. All courses numbered 49/99 are designed for students who wish to undertake special projects related to a particular field.

Students, under instructor guidance and acknowledgment, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

15X OCCUPATIONAL WORK EXPERIENCE (1-4)

All courses AOJ, AG, BUS, CIS, ECE, EA, HS, HRCM, WT numbered 15X provide credit for students enrolled in occupational work experience programs. See CWEE for further guidelines.

WE 15XX GENERAL WORK EXPERIENCE (1-3)

Students may also receive credit under a general work experience numbered 15XY. See CWEE for further guidelines.

ABBREVIATIONS FOR DEGREE, NON-DEGREE, AND TRANSFER COURSES

The following abbreviations designate degree applicable, transfer, and non-degree applicable courses:

AA	Associate Degree
CSU	Transferable to California State University System
UC	Transferable to University of California System
NDA	Non-Degree Applicable

GENERAL EDUCATION SYMBOLS AND ABBREVIATIONS

Designates CSU baccalaureate level general education courses.

AREA A: Communication in the English Language and Critical Thinking

Oral Communication	A1
Written Communication	A2
Critical Thinking	A3

AREA B: Physical Universe and Its Life Forms

Physical Science	B1
Life Science	B2
Laboratory Activity	B3
Mathematics/Quantitative Reasoning	B4

AREA C: Arts, Literature, Philosophy and Foreign Languages

Arts (Art, Dance, Music, Theatre)	C1
Humanities (Literature, Philosophy, Foreign Languages)	C2

AREA D: Social, Political, and Economics Institutions and Behavior; Historical Background

Anthropology and Archeology	D1
Economics	D2
Ethnic Studies*	D3
Gender Studies*	D4
Geography	D5
History	D6
Interdisciplinary Social or Behavioral Science	D7
Political Science, Government, and Legal Institutions	D8
Psychology	D9
Sociology and Criminology	D0

AREA E: Lifelong Understanding and Self-Development

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Students planning to transfer to a four-year college or university should take classes for a letter grade, since the CR/NC option generally will not transfer.

* Ethnic Studies or Gender Studies courses emphasizing artistic or humanistic perspectives may be categorized in Area C.

CALIFORNIA ARTICULATION NUMBER SYSTEM (CAN)

The California Articulation Number (CAN) System is a cross-reference course identification system for many lower-division, transferable major preparation courses commonly taught on college campuses. The CAN System is based on course articulation - courses considered to be comparable, but not necessarily identical, and acceptable "in lieu of" each other. The System is simple, functional, and flexible, yet is structured to provide accuracy and consistency. The System allows each campus to retain its own course number, prefix, and title. When a course has met the criteria and is qualified to use a CAN, it is printed as an addendum to the campus catalog and other publications. The following is a list of qualifying West Hills College courses and their corresponding CAN numbers. See your counselor for additional information.

West Hills College Course	CA Articulation Number (CAN)
AOJ 1	CAN AJ 2
ANTHRO 2	CAN ANTH 4
ART 16A	CAN ART 2, CAN ART SEQ A
ART 16B	CAN ART 4, CAN ART SEQ A
BIO 20	CAN BIOL 4
BIO 24	CAN BIOL 6
BIO 32	CAN BIOL 10
BIO 38	CAN BIOL 14
BUS 1A	CAN BUS 2, CAN BUS SEQ A
BUS 1B	CAN BUS 4, CAN BUS SEQ A
CHEM 1A	CAN CHEM 2, CAN CHEM SEQ A
CHEM 1B	CAN CHEM 4, CAN CHEM SEQ A
CHEM 2A	CAN CHEM 6, CAN CHEM SEQ B
CHEM 2B	CAN CHEM 8, CAN CHEM SEQ B
ECON 1A	CAN ECON 2
ECON 1B	CAN ECON 4
ENG 1A	CAN ENGL 2, CAN ENGL SEQ A
ENG 1B	CAN ENGL 4, CAN ENGL SEQ A
FL SPN 1	CAN SPAN 2, CAN SPAN SEQ A
FL SPN 2	CAN SPAN 4, CAN SPAN SEQ A
FL SPN 3	CAN SPAN 8, CAN SPAN SEQ B
FL SPN 4	CAN SPAN 10, CAN SPAN SEQ B
GEOG 3	CAN GEOG 4

West Hills College Course	CA Articulation Number (CAN)
NUT 1	CAN FES 2
HIST 4A	CAN HIST 2
HIST 17A	CAN HIST 8, CAN HIST SEQ B
HIST 17B	CAN HIST 10, CAN HIST SEQ B
MATH 1A	CAN MATH 18, CAN MATH SEQ B,
MATH 1A	CAN MATH SEQ C
MATH 1B	CAN MATH 20, CAN MATH SEQ B,
MATH 1B	CAN MATH SEQ C
MATH 2A	CAN MATH 22, CAN MATH SEQ C
MATH 2B	CAN MATH 24
MATH 15	CAN MATH 16
MATH 25	CAN STAT 2
PHIL 1	CAN PHIL 2
PHIL 2	CAN PHIL 6
PHIL 3	CAN PHIL 4
PHYSICS 2A	CAN PHYS 2, CAN PHYS SEQ A
PHYSICS 2B	CAN PHYS 4, CAN PHYS SEQ A
PHYSICS 4A	CAN PHYS 8
POL SCI 1	CAN GOVT 2
PSYCH 1	CAN PSY 2
SOC 1	CAN SOC 2
SOC 2	CAN SOC 4
SP 1	CAN SPCH 4



COURSE DESCRIPTIONS

ADMINISTRATION OF JUSTICE

AOJ 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7 units including work-experience) and work part-time (up to 20 hours per week).

AOJ 15XY OCCUPATIONAL WORK EXPERIENCE (ALTERNATE) (1-8)

This plan allows the student to attend college full-time for one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

AOJ 1 INTRODUCTION TO CRIMINAL JUSTICE (3)

Class Hours: 3 Lecture CANAJ 2 D3

Administration of Justice 1 is the history and philosophy of justice as it evolved throughout the world; in-depth study of the American system and the various sub-systems; roles and expectations of criminal justice agents in their interrelationships in society; concepts of crime causations; punishments, and rehabilitation; ethics, education and training for professionalism in the social system. (AA, CSU, UC)

AOJ 3 INTRODUCTION TO CORRECTIONS (3)

Class Hours: 3 Lecture

Administration of Justice 3 is a basic course for students planning to enter or already employed within the Correctional Science field. This course surveys the field of correctional science, historical development, current concepts and practice; explanations of criminal behavior; functions and objectives of the criminal justice system concerned with institutional, probation, and parole process as they modify the offender's behavior; and the professional career opportunities in public and private agencies. (AA, CSU)

AOJ 4 CONTROL AND SUPERVISION IN CORRECTIONS (3)

Class Hours: 3 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent.

Administration of Justice 4 offers an overview of supervision of inmates in the local, state and federal correctional institutions. The issues of control in a continuum from institutional daily living through crisis situations will be introduced and discussed. The course will emphasize the role played by the offender and the correctional worker. Topics will include inmate sub-culture, violence and effects of crowding on inmates and staff, and coping techniques for correctional officers in a hostile prison environment. The causes and effects of abusive tactics will also be discussed. (AA, CSU)

AOJ 5 CONCEPTS OF PROBATION AND PAROLE (3)

Class Hours: 3 Lecture

Administration of Justice 5 includes a historical overview of correctional development, its institutions and the community; methods of prisoner intake and classification; survey treatment programs; community based correctional programs; post-institutional treatment and corrections as a career. (AA, CSU)

AOJ 6 CORRECTIONAL INTERVIEWING AND COUNSELING (3)

Class Hours: 3 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent.

Administration of Justice 6 is an overview of the techniques in interviewing and counseling available to practitioners in corrections. Students will learn the use of appropriate techniques and theories in confidence building, which may be used by the correctional employee in client interviews and counseling. This is a course for students planning to enter or already employed within the Correctional Science field. (AA, CSU)

AOJ 7 LEGAL ASPECTS OF CORRECTIONS (3)

Class Hours: 3 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent.

Administration of Justice 7 provides students with an awareness of the historical framework, concepts and precedents that guide correctional practice. Course material will broaden the individual's perspective of the corrections environment, the civil rights of prisoners and responsibilities and liabilities of corrections officials. (AA, CSU)

AOJ 8 LAW AND PSYCHOLOGY (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Administration of Justice 8 focuses on the interaction and application law and psychology with respect to criminal behavior. This course will focus on the legal and psychological considerations in the identification, prosecution, incarceration and treatment philosophies available to the criminal justice or social service professional. This course may be used as elective credit for either Administration of Justice or Psychology but not for both. (AA, CSU)

AOJ 10 PRINCIPLES AND PROCEDURES OF CRIMINAL JUSTICE (3)*Class Hours: 3 Lecture*

Administration of Justice 10 will cover legal process from pre-arrest, arrest through trial, sentencing and correctional 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 the procedures in the justice system. (AA, CSU)

AOJ 12 WRITTEN CRIMINAL JUSTICE COMMUNICATIONS (3)*Class Hours: 3 Lecture*

Administration of Justice 12 will cover ideas effectively in a simple, clear and logical manner in the various types of criminal justice systems reports, letters, memoranda, directives, and administrative reports. Emphasis is on law enforcement and correctional terminology, organization of information and use of English; practice experience in note taking and report writing using standard law enforcement and correction forms; presentation of testimony in court. (AA, CSU)

AOJ 16 HUMAN AND COMMUNITY RELATIONS IN CRIMINAL JUSTICE (3)*Class Hours: 3 Lecture*

Administration of Justice 16 explores the interaction of criminal justice agents and the community; historical and contemporary social, political, and economic issues affecting human relations; diversity of community populations; effects of prejudice, bias, and discrimination; impact of media relations and the community; awareness of individual and cultural differences affecting human interaction. (AA, CSU, UC)

AOJ 20 CRIMINAL LAW (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Administration of Justice 20 will emphasize the historical development, philosophy of law and constitutional provisions; definitions; classifications of crimes and their applications to the criminal justice system and administration of justice; legal research, review of case laws, methodology and concepts of law as a social force. Explores crimes against persons, property, and the state as a social, religious, and historical ideology. (AA, CSU, UC)

AOJ 22 CRIMINAL EVIDENCE (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Administration of Justice 22 provides instruction in the origin, development, philosophy, and constitutional basis of evidence; constitutional and procedural considerations affecting arrest and search and seizure; types and quantum of evidence and rules governing its admissibility; judicial decisions interpreting individual rights; and case studies viewed on a conceptual level. (AA, CSU)

AOJ 24 CRIMINAL INVESTIGATION (3)*Class Hours: 3 Lecture*

Administration of Justice 24 covers the fundamentals of investigation; techniques of crime scene search and recording; collection and preservation of physical evidence; modus operandi processes; sources of information; interview and interrogation; follow-up investigation. (AA, CSU)

AOJ 29 CRIME AND DELINQUENCY (3)*Class Hours: 3 Lecture D3*

Administration of Justice 29 is an introduction to major types of criminal behavior, characteristics of offenders, factors which contribute to crime and delinquency; the criminal justice process; the function of law enforcement, the courts, probation, parole and institutions; changes in crime control and treatment process, the role of society. Not open for credit to students who have had a course in Sociology Crime and Delinquency or Introduction to Criminology. (AA, CSU)

AOJ 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit the department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility in curriculum. A required course description identifies each course subject. These course may be taken for CR/NC.

AOJ 32 JUVENILE DELINQUENCY (3)*Class Hours: 3 Lecture*

Administration of Justice 32 emphasizes the techniques of handling juvenile offenders as victims; prevention and repression of delinquency; diagnosis and referral; organization of community resources; juvenile law and juvenile court procedures. (AA, CSU)

AOJ 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

AOJ 49/99 is designed for student who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

AOJ 50A P. C. 832 ARREST CONTROL MODULE (3)*Class Hours: 3 Lecture CR/NC Only**Strongly Recommended Preparation: ENG 101B or equivalent.*

Administration of Justice 50A is the first tier of training required to meet the requirements of P.C. 832. This course satisfies the minimum 40 hours of training known as P.C. 832 Arrest Module, and as set forth by the Commission on Peace Officers Standards and Training (POST) and as required under Penal Code sections 830.6(a) (1) and 832.6(a) (3). This course includes basic training in specific topics: California criminal law, criminal evidence, criminal investigation, laws of arrest, methods of arrest, search and seizure law, discretionary decision making, and ethics and professionalism. Students who successfully pass the arrest skills and written test will receive a certificate. This course is mandatory for students seeking any sworn peace officer position in California. AOJ 50A does not include the Firearms Module of P.C. 832 Training. (AA)

AOJ 50B P. C. 832 FIREARMS MODULE (.5)*Class Hours: 1.5 Laboratory CR/NC Only**Prerequisite: California law requires that students provide proof of a Department of Justice Fingerprint Clearance (BID-7 Card) letter in order to attend firearms training. A clearance is not required if the student has a prior clearance on file with this institution or is sponsored by a law enforcement agency.*

Administration of Justice 50B is the second tier of training required to meet the requirements of P.C. 832. This course satisfies the minimum 24 hours of training known as P.C. 832 Firearms Module, and as set forth by the Commission on Peace Officers Standards and Training (POST) and as required under Penal Code sections, 830.6(a)(1) and 832.6(a)(3). This course includes basic training in use of force and firearms. Students who successfully pass the firearms qualification will receive a certificate. This course is mandatory for students seeking any sworn peace officer position in California. AOJ 50B does not include the Arrest Control Module of P.C. 832 Training. (AA)

AOJ 51 LEVEL III RESERVE OFFICE TRAINING (4)*Class Hours: 3 Lecture, 3 Laboratory**Prerequisite: 1) California law requires that students provide proof of a Department of Justice Fingerprint clearance (BID-7 Card) letter in order to attend training. A clearance is not required if the student has a prior clearance on file with this institution or is sponsored by a law enforcement agency; 2) AOJ 50A and AOJ 50B or currently possess a valid P. C. 832 certificate in arrest and firearms.**Strongly Recommended Preparation: ENG 101B or equivalent.*

Administration of Justice 51 is the second tier of training required for persons seeking appointment as reserve police officers. This course satisfies the minimum 98 hours of training known as Level III Part 2, as set forth by the Commission on Peace Officers Standards and Training (POST) and as required under Penal Code sections, 820.6(a)(1) and 832.6(a) (3). This course includes basic training in specific topics: laws and methods of arrest, search and seizure, report writing, ethics and professionalism, information systems, custody, first aid/CPR, traffic enforcement, vehicle operations, cultural diversity/discrimination, crimes in progress, preliminary investigation, use of force, arrest and control/baton, and firearms training/qualification. Students who successfully pass the arrest skills and written tests will receive a certificate. This course is mandatory for students seeking any sworn peace officer position in California. A Public Safety Training polo shirt uniform is required. (AA)

AOJ 55 ADULT CORRECTIONS OFFICER TRAINING CORE (9)*Class Hours: 8 Lecture, 3 Laboratory*

Administration of Justice 55 is the adult corrections officer core training course as outlined in the Peace Officers Standards and Training, the California Board of Corrections, and the Standards and Training for Corrections Program. This course covers roles and responsibilities of the constitutional rights, legal issues, classification, principles of subcultures in institutions, contraband, defensive tactics, interpersonal communication, receiving and release of inmates, grievances, mental issues, court appearances, cell extractions, physical conditioning and CPR/FA. (AA)

AGRICULTURE

AG 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16.0 units of total credit. The student must enroll in classes (at least 7 units including work-experience) and work part-time (up to 20 hours per week).

**AG 15XY OCCUPATIONAL WORK EXPERIENCE
(ALTERNATE) (1-8)**

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

AG 10 INTRODUCTION TO AGRICULTURE (3)

Class Hours: 3 Lecture

Agriculture 10 will provide the student with a general overview of California agriculture. Employment opportunities and current socio-economic issues will be discussed. (AA, CSU)

AG 30/60 EXPERIMENTAL COURSES (5-3)

Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.

All courses numbered 30/60 are designed to permit the department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

AG 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

Agriculture 49/99 is designed for student who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

**AG 58 LIVESTOCK THEFT & RURAL CRIME
PREVENTION & INVESTIGATION (2)**

CR/NC only

Agriculture 58 is designed to educate peace officers, brand inspectors and all other interested individuals in the most current methods to reduced livestock theft and increase the chances for recovery. Investigation methods and case prosecution are also covered. (AA)

AGRICULTURE BUSINESS**AGBUS 11 AGRICULTURAL SALES AND MARKETING (3)**

Class Hours: 3 Lecture CR/NC

Advisory: Strongly Recommended Preparation ENG 101B and Math 101 or equivalent.

Agriculture Business 11 will provide instruction regarding the role that marketing plays in business activities that direct the flow of products from agriculture procedures to consumers. Students will study the principles and practices of the selling strategies, approaches, prospecting and territory management. Students will gain experience through role-play and formal sales and marketing presentations. (AA, CSU)

**AGBUS 15 COMPUTER APPLICATION TO
AGRICULTURE (3)**

Class Hours: 2 Lecture, 3 Laboratory

Agriculture Business 15 will introduce the student to the use of computer software in agriculture that is required for data base, spreadsheet applications and word processing. Software instruction on the microcomputer that is currently used in agriculture is included. (AA, CSU)

**AGBUS 20 FARM AND AGRICULTURE BUSINESS
MANAGEMENT (3)**

Class Hours: 3 Lecture

Strongly Recommended Preparation: ENG 101B and MATH 101 or equivalent.

Agriculture Business 20 will provide instruction regarding the processes of management as applied to farm and agricultural business operations and the function of management, labor relations, marketing, agricultural laws, and government agricultural policy and regulations. (AA, CSU)

AGBUS 24 AGRICULTURAL ACCOUNTING (3)

Class Hours: 3 Lecture

Strongly Recommended Preparation: AGBUS 20 or equivalent.

Agriculture Business 24 is a study of agriculture business, including farm accounting and types of records, reasons for their use, and the study and keeping of records used in measuring and improving management efficiency and agriculture. (AA, CSU)

AGBUS 25 MACHINERY MANAGEMENT (3)

Class Hours: 3 Lecture

Agriculture Business 25 provides the methods in determining data analysis and reports for making decisions in machinery management. The student will use computers for making these analyses and reports. (AA, CSU)

AGBUS 40 INTRODUCTORY AGRICULTURAL ECONOMICS (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: ENG 101B and Math 101 or equivalent.*

Agriculture Business 40 teaches microeconomics principles of resource allocation, production, cost analysis, and market price equilibrium with primary application to farms and agribusiness firms; supply and demand in commodity pricing under perfect and imperfect competition, survey of agriculture management and marketing problems and issues. (AA, CSU)

AGBUS 53 FUNDAMENTALS OF AGRICULTURE SPREADSHEETS (1)*Class Hours: 1 Lecture*

Agriculture Business 53 will introduce the class to electronic spreadsheets, microcomputers, floppy disks and the command functions so students will be able to operate electronic spreadsheets for various agriculture business practices and to process data for agriculture management in other agriculture enterprises. (AA)

AGRICULTURE MECHANICS**AGMEC 50 EQUIPMENT SAFETY AND OPERATION (2)***Class Hours: 1 Lecture, 3 Laboratory*

Agricultural Mechanics 50 is an introduction to safe tractor and equipment operation. It includes supervised field operation, while emphasizing safe and efficient performance of farm and common construction equipment. It may be taken two times for credit. (AA)

AGMEC 51 BASIC HYDRAULICS AND PNEUMATICS (3)*Class Hours: 2.5 Lecture, 1.5 Laboratory*

Agricultural Mechanics 51 is the study of the theory, application, and component parts of hydraulic systems. Components covered include: pumps, valves, cylinders, flow controls, reservoirs, lines, and filtration equipment. It also instructs in methods of testing components and in basic design information. (AA)

AGMEC 72 AGRICULTURE SURVEYING (2)*Class Hours: 1 Lecture, 3 Laboratory*

Agriculture Mechanics 72 provides instruction in the use of the level in laying out ditches, pipelines, contours, building foundations, and related work. Instruction is also provided in land location, measurement, calculation of areas, fence lines, land leveling, staking fills, establishing cut and fill yardage, and use of modern laser techniques and equipment. (AA)

ANIMAL SCIENCE**ASCI 5 RODEO SKILLS AND MANAGEMENT (1)***Class Hours: 1 Lecture*

Animal Science 5 is designed to acquaint the student with the sport of rodeo, its origin and development as well as rodeo fundamentals including rule interpretation and rodeo judging. This course will also focus on goal setting and the importance of a positive mental attitude for a successful performance. May be taken two times for credit. (AA, CSU)

ASCI 6 RODEO PRODUCTION AND PROMOTION (1)*Class Hours: 10 Laboratory*

Animal Science 6 provides experience in the production of a rodeo. Students will participate on a committee that will deal with staging an actual rodeo from start to finished product. May be taken four times for credit. (AA, CSU)

ASCI 7 INTERCOLLEGIATE RODEO (2)*Class Hours: 10 Laboratory**Prerequisite: Medical approval from a licensed physician, enrollment limited to those qualified to compete in intercollegiate rodeo.**Corequisite: ASCI 5 or ASCI 6*

Animal Science 7 provides the opportunity for students to further their rodeo skills and utilize them in intercollegiate competition. This course includes adaptation techniques of various rodeo events. May be taken two times for credit. (AA, CSU)

ASCI 8 ADVANCED INTERCOLLEGIATE RODEO (2)*Class Hours: 10 Laboratory**Prerequisite: Medical approval from a licensed physician. Enrollment limited to those qualified to compete in intercollegiate rodeo.**Corequisite: ASCI 5, ASCI 6*

Animal Science 8 provides the opportunity for students with previous experience to further their rodeo skills and utilize them in intercollegiate competition. May be taken four times for credit. (AA, CSU)

ASCI 10 FITTING AND SHOWING LIVESTOCK (2)*Class Hours: 1 Lecture, 3 Laboratory*

Animal Science 10 deals with the feeding and preparation of stock for show. Grooming, training and fitting will be stressed. Demonstration of current showmanship techniques and equipment will be practiced by the students. May be taken three times for credit. (AA, CSU)

ASCI 12 GENERAL ANIMAL SCIENCE (3)*Class Hours: 2 Lecture, 3 Laboratory*

Animal Science 12 is a survey of the livestock industry, supply of animal producers and their uses. A special emphasis is placed on the origin, characteristics, adaptation and contributions of farm animals to the ag industry. Analyze the economic trends and career opportunities in animal agriculture. (AA, CSU, UC)

ASCI 14 LIVESTOCK SELECTION/MEAT ANIMAL EVALUATIONS (3)*Class Hours: 2 Lecture, 3 Laboratory*

Animal Science 14 studies the basic factors involved in selection and evaluation of livestock; relationships of live market animal traits to carcass cutability and quality. May be taken two times for credit. (AA, CSU, UC)

ASCI 20 FEEDS AND FEEDINGS (3)*Class Hours: 2 Lecture, 3 laboratory**Strongly Recommended Preparation: ENG 51A or equivalent.*

Animal Science 20 is the science of animal nutrition as the basis for "Feeds and Feeding." The fundamentals of digestion and absorption in both ruminants and non-ruminants are discussed. The nutritive value of feeds as they relate to the formulation of livestock rations will be emphasized including by-product feeding. (AA, CSU)

ASCI 21 BEEF PRODUCTION (3)*Class Hours: 2 Lecture, 3 Laboratory**Strongly Recommended Preparation: ENG 51A or equivalent.*

Animal Science 21 is a study of the principles and practices of purebred and commercial beef cattle production throughout the world, United States and California. Emphasis to be placed on the importance of breeds, breeding principles, selection, nutrition, environmental management, health marketing and record keeping to ensure scientifically-based management decisions and consumer product acceptance as applied to beef cattle. (AA, CSU)

ASCI 32 ANIMAL HEALTH AND SANITATION (3)*Class Hours: 2 Lecture, 3 Laboratory**Prerequisite: ASCI 12*

Animal Science 32 will provide instruction in basic diseases and in fundamentals of immunity. It also will include coverage of the livestock worker's role in promoting health and disease-control programs. (AA, CSU)

ASCI 59 BASIC STOCK DOG TRAINING (.5)*Class Hours: 3 Laboratory (9 weeks)*

Animal Science 59 covers stock dog breeds, selection of herding dogs, training techniques, methods of handling cattle and sheep, plus nutrition for stock dogs. May be taken four times for credit. (AA)

ANTHROPOLOGY**ANTH 2 CULTURAL ANTHROPOLOGY (3)***Class Hours: 3 Lecture CAN ANTH 4 D3*

Anthropology 2 is a holistic approach to the study of humans with special emphasis in their culture - the customary way of thinking and behaving that are characteristic of particular societies, and an introduction to the study of human societies and the techniques used to study them. (AA, CSU, UC)

ANTH 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit*

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

ANTH 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

ANTHRO 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

ART**ART 2A TWO-DIMENSIONAL DESIGN (2)***Class Hours: 1 Lecture, 3 Laboratory*

Art 2A provides a basic understanding of design and color theory in a historical context. Work will be conducted in various media utilizing both objective and subject experiences as a basis for creative design and color expression. (AA, CSU, UC)

ART 2B TWO-DIMENSIONAL COLOR AND DESIGN (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory**Strongly Recommended Preparation: ENG 51A or equivalent.*

Art 2B offers additional lecture and lab time to further explore two-dimensional design space, design, and color theory. (AA, CSU, UC)

ART 4 EXPLORING DRAWING (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC**Strongly Recommended Preparation: ENG 51A or equivalent.*

Art 4 provides instruction with the elements of composition, line, value, texture, patterns, color and perspective in the drawing discipline. The student will explore the two-dimensional surface through a variety of media and techniques. No previous drawing experience necessary. May be taken two times for credit. (AA, CSU, UC)

ART 5A BASIC DRAWING (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory C1*

Art 5A is the study of the drawing discipline with emphasis upon the "Historical Context" and how it relates to the drawing medium. (AA, CSU, UC)

ART 5B ADVANCED DRAWING (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory**Prerequisite: ART 5A*

Art 5B offers additional lecture and studio time to further explore the drawing principles. Recommended for art majors. (AA, CSU, UC)

ART 12 CERAMICS (2)*Class Hours: 1 Lecture, 3 Laboratory**Strongly Recommended Preparation: ENG 51A or equivalent.*

Art 12 is an introductory course in pottery and ceramic sculpture design using hand-built and wheel-thrown construction techniques. May be taken four times for credit. (AA, CSU, UC)

ART 13A INTRODUCTION TO CERAMIC DESIGN STUDIO (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory C1*

Art 13A is a study of the ceramic discipline with emphasis upon the historical context and its relationship to the ceramic medium of the 20th century. (AA, CSU, UC)

ART 13B BEGINNING CERAMIC DESIGN STUDIO (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory**Prerequisite: ART 13A*

Art 13B offers additional lecture and studio time to further explore wheel throwing construction. (AA, CSU, UC)

ART 13C BASIC CERAMIC DESIGN STUDIO (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory**Prerequisite: ART 13B*

Art 13C offers additional lecture and studio time to further explore different types of kiln firing. (AA, CSU, UC)

ART 13D INTERMEDIATE CERAMIC DESIGN STUDIO (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory**Prerequisite: ART 13C*

Art 13D offers additional lecture and studio time to further explore different creativity concepts in clay. (AA, CSU, UC)

ART 15A INTRODUCTION TO PAINTING (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory CR/NC*

Art 15A will offer lecture and studio time to explore the heritage and fundamentals of painting. Recommended for art majors. (AA, CSU, UC)

ART 15B BEGINNING PAINTING (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory CR/NC**Prerequisite: ART 15A*

Art 15B will offer additional lecture and studio time to explore the oil painting medium. Recommended for art majors. (AA, CSU, UC)

ART 15C INTERMEDIATE PAINTING (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory CR/NC**Prerequisite: ART 15B*

Art 15C offers additional lecture and studio time to further explore different concepts of painting. Recommended for art majors. (AA, CSU, UC)

ART 15D ADVANCED PAINTING (3)*Class Hours: 1.5 Lecture, 4.5 Laboratory CR/NC**Prerequisite: ART 15C*

Art 15D offers students the chance to explore their own ideas as they relate to painting. Students will produce a series of paintings which demonstrate their art concepts and theories. (AA, CSU, UC)

ART 16A PRE-HISTORY TO PROTO-RENAISSANCE (3)*Class Hours: 3 Lecture CAM ART 2, CAN ART SEQ A C1 CR/NC**Strongly Recommended Preparation ENG 51A or equivalent.*

Art 16A is a survey of the arts from the beginning of recorded history to the Medieval period of European history. Non-European art will also be studied. Each of these civilizations is studied through slides, lectures, class discussion, and a text. (AA, CSU, UC)

ART 16B RENAISSANCE TO THE PRESENT (3)*Class Hours: 3 Lecture CAN ART SEQ A C1 CR/NC**Strongly Recommended Preparation: ENG 51A or equivalent.*

Art 16B is a survey of the Arts from the Proto-Renaissance in Italy through contemporary styles. The course includes a concentrated study of individual artists and their work. (AA, CSU, UC)

ART 17 EXPLORING PAINTING (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC*

Art 17 provides an introduction to the materials and elements of painting, composition, color, texture and content. May be taken four times for credit. (AA, CSU, UC)

ART 30/60 EXPERIMENTAL COURSES (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

ART 42 ART APPRECIATION (3)*Class Hours: 3 Lecture C1 CR/NC**Strongly Recommended Preparation: ENG 51A or equivalent.*

Art 42 is an introductory course in the study of basic principles of art as well as how they play a major role in Art History. The student will learn the basics of art through lecture, slide presentations, film, video and projects assigned in and out of the classroom. No art background is necessary. (AA, CSU, UC)

ART 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

ART 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

ART 52 ART APPRECIATION (3)*Class Hours: 3 Lecture CR/NC*

The student will study the basic elements of art and apply this knowledge for his/her own enjoyment. (AA)

BIOLOGY

BIO 10 FUNDAMENTALS OF BIOLOGY (3)*Class Hours: 2 Lecture, 3 Laboratory B2, B3*

Biology 10 is recommended for the non-science major. The primary objective of this course is to teach basic biological concepts as they relate to the cell and the organism as a whole. Consideration will be given to the cellular and chemical basis of life, genetics, evolution, and ecology. (AA, CSU, UC)

BIO 11 BIOLOGY OF THE DEATH VALLEY (1)*Class Hours: 2 Lecture, 46 Laboratory CR/NC*

Biology 11 is a week-long field trip to Death Valley with an emphasis on the items that make the Mojave Desert and Death Valley unique with regard to the flora and fauna. (AA, CSU)

BIO 12 BIOLOGY OF THE GRAND CANYON (1)*Class Hours: 2 Lecture, 46 Laboratory CR/NC*

Biology 12 is a week-long field trip to the Colorado Plateau and specifically the Grand Canyon emphasizing the flora and fauna of this unique setting. (AA, CSU)

BIO 20 GENERAL ZOOLOGY (5)*Class Hours: 3 lecture, 6 laboratory CAN BIOL 4 B2, B3*

Biology 20 is a general study of the animal kingdom using the phylogenetic approach. The emphasis will be placed on structure, function, and ecology as they relate to each group of animals. (AA, CSU, UC)

BIO 24 GENERAL BOTANY (5)*Class Hours: 3 Lecture, 6 Laboratory CAN BIO 6 B2, B3*

Biology 24 is an introduction to the study of plants and their relatives with an emphasis on their structure, function, evolution, ecology and economic importance. (AA, CSU, UC)

BIO 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

BIO 32 HUMAN ANATOMY (4)*Class Hours: 3 Lecture, 3 Laboratory CAN BIO 10 B2, B3*

Biology 32 is an introductory class in examining the human body from the systemic viewpoint. Although this class is intended for biology or health science majors, it can also be taken by non-majors as a transferable life science course. Lab exercises utilizing the domestic cat will be integrated with the lecture. (AA, CSU, UC)

BIO 35 HUMAN PHYSIOLOGY (4)*Class Hours: 3 Lecture, 3 Laboratory B2, B3**Strongly Recommended Preparation: A college biology course.*

Biology 35 is an introductory study in the functioning of human systems, with an emphasis on maintaining homeostasis. This course is recommended for health related programs, physical education, and biology majors. (AA, CSU, UC)

BIO 38 MICROBIOLOGY (4)

*Class Hours: 3 Lecture, 3 Laboratory CAN BIOL 14 B2, B3
Strongly Recommended Preparation: CHEM 2A or equivalent.*

Biology 38 is a consideration of the morphology, anatomy, physiology, and taxonomy of micro-organisms with an emphasis on the methods of isolation, identification, and the diseases they cause. (AA, CSU, UC)

BIO 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 Laboratory for each semester unit. No more than 2 unit per semester per 49/99 series.

Biology 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

BIO 52 ENVIRONMENTAL BIOLOGY (3)

Class Hours: 2 Lecture, 3 Laboratory

Environmental Biology is a course which offers a means of evaluating our environment through an interdisciplinary approach that applies basic scientific and ecological concepts by which the natural world operates. Special attention is given to the effects the human population has on the global, regional and local environments. Laboratory activities will provide opportunities for students to investigate and apply basic principles of science. (AA)

BUSINESS

BUS 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7.0 units, including work-experience) and work part-time (up to 20 hours a week).

BUS 15XY OCCUPATIONAL WORK EXPERIENCE (ALTERNATE) (1-8)

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

BUS 1A BEGINNING PRINCIPLES OF ACCOUNTING (4)

Class Hours: 4 Lecture CR/NC

Strongly Recommended Preparation: Knowledge of a computer spreadsheet package.

Business 1A is the first half of an introductory course to the field of accounting. The course includes accounting principles and practices, the accounting cycle, accounting methods used for a merchandising enterprise, preparation of financial statements, payroll accounting, voucher systems, expense distribution, inventory methods, budgeting and executive control that would be necessary in a sole proprietorship and partnership. A variety of computerized spreadsheet software will be used in analyzing and completing problems assigned. (AA, CSU, UC)

BUS 1B ELEMENTARY PRINCIPLES OF ACCOUNTING (4)

Class Hours: 4 Lecture CAN BUS 4, CAN BUS SEQ A CR/NC

Prerequisite: BUS 1A or equivalent.

Business 1B is the second half of an introductory course to the field of accounting. The course includes corporation accounting, statement analysis and interpretation, accounting for decentralized operation and manufacturing operations, information processing, planning, control and decision-making analysis, and accounting for individuals and non-profit organizations. A variety of computerized spreadsheets software will be used in analyzing and completing problems assigned. (AA, CSU, UC)

BUS 13A WORD FOR WINDOWS I (1.5)

Class Hours: 2 Lecture, 3 Laboratory (9 weeks) CR/NC

Strongly Recommended Preparation: Knowledge of keyboarding by touch.

Students are taught basic features of Word for Windows for the non-office occupations major. The course is designed to equip students with the skills to prepare personal correspondence and reports. This course, along with Word for Windows II, is required for the Office Technology major. (AA, CSU)

BUS 13B WORD FOR WINDOWS II (1.5)

Class Hours: 2 Lecture, 3 Laboratory (9 weeks) CR/NC

Strongly Recommended Preparation: Ability to key 35 nwpm.

Students are taught advanced features of Word for Windows. The course is designed for office personnel using Microsoft Word on the job. This course, along with Word for Windows I, is required for the Office Technology major. (AA, CSU)

BUS 18 BUSINESS LAW (4)*Class Hours: 4 Lecture CR/NC**Strongly Recommended Preparation of ENG 51A or equivalent.*

Business 18 is a one-semester beginning course in business law, covering the origin and development of law, courts and court procedure, contracts, employment, and partnerships. The course fulfills part of the requirement of a business major and the prerequisite for advanced courses in business law. This course emphasizes the Business Law Uniform Commercial Code. (AA, CSU, UC)

BUS 20 INTRODUCTION TO BUSINESS (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: ENG 101B or equivalent.*

Business 20 is an introductory course which provides a review of American business and a foundation for the study of more specialized field of business education: marketing, office management, sales, business management, accounting, banking, and many others. Such topics as organization, finance, operation production, marketing, insurance and risk, governmental influence, and economic and political environment are studied. The student is encouraged to read business periodicals, the business section of newspapers, and other like sources. Career opportunities are identified in the various areas of study and are discussed in class. Students who have a general education interest are welcome to enroll. (AA, CSU, UC)

BUS 24 BUSINESS MATHEMATICS (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: ENG 101B and MATH 101 or equivalent.*

Business 24 is a review of the ordinary arithmetical processes and practices. It provides vocational preparation of students for entry-level jobs in business which require computational skill on practical business problems. (AA, CSU)

BUS 28 BUSINESS COMMUNICATION (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: ENG 51A or equivalent.*

Business 28 is designed to give students the necessary oral and written communication skills needed in today's environment. Emphasis is placed on writing business correspondence such as letters, memos, e-mail, reports, employment messages, and other brief messages; communicating verbally, non-verbally and cross-culturally; developing effective listening skills; and using the internet, voice mail, and other technologies. (AA, CSU)

BUS 29 TECHNIQUES OF MANAGEMENT (3)*Class Hours: 3 Lecture CR/NC*

Business 29 is an introductory course covering the responsibilities of a manager, the knowledge needed by a manager, the processes of managing, the actual practice of managing, and the adjustments to change that are becoming more important in the modern world. (AA, CSU)

BUS 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

BUS 32 SMALL BUSINESS MANAGEMENT (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Business 32 is designed to provide students with a basic understanding of the operation and management of small business in the American economic system so that they may gain information that will enable them to operate a business and/or pursue an interest in business management. (AA, CSU)

BUS 35 HUMAN RESOURCES MANAGEMENT (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: ENG 101B or equivalent.*

Business 35 emphasizes the importance of dealing successfully with people both in "on-the-job" situations and in other contacts through the study of positive and preventative aspects of personnel management systems, organizational behavior, leadership and supervision, and related topics. (AA, CSU)

BUS 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

BUS 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

BUS 50 EMPLOYABILITY SKILLS (1)*Class Hours: 1 Lecture CR/NC*

Business 50 teaches the office worker how to successfully get a job and keep it. It focuses on how to find available jobs, contact prospective employers, properly prepare resumes, complete applications and prepare for interviews. The course also covers strategies for keeping and advancing on the job, stressing understanding employer expectations, job performance, interpersonal skills, and attitudes. May be taken two times credit. (AA)

BUS 52 TEN-KEY MASTERY (1)*Class Hours: 1 Lecture CR/NC*

Business 52 teaches the touch method of ten-key calculation using the computer keypad. In addition to keying by touch, students will be encouraged to develop speed in key stroking required for entry-level data entry positions. Specific activities in data entry will include input fields and dexterity drills and business problem-solving exercises. May be taken two times for credit. (AA)

BUS 54 PRESENTATION GRAPHICS (.5)*Class Hours: 1.5 Laboratory CR/NC*

Business 54 is a tutorial/workshop style course designed to educate students on use and application of presentation graphic programs. A presentation graphics program is a computer program a student can use to organize and present information. Whether giving a sales pitch, promotion of a product, or doing a formal class presentation, a presentation graphics program can make a presentation effective and professional. May be taken two times for credit. (AA)

BUS 55 ELEMENTARY ACCOUNTING (4)*Class Hours: 4 Lecture, 1 Laboratory CR/NC*

Business 55 is an elementary course designed to present basic knowledge of the theory and practice of bookkeeping for students who are interested in continuing their study to higher levels of accounting, and for those who desire an understanding of ordinary bookkeeping procedures in business offices. (AA)

BUS 56 APPLIED INTERMEDIATE ACCOUNTING (3)*Class Hours: 3 Lecture CR/NC**Prerequisite: BUS 55 or high school accounting.*

Business 56 is a continuation of Business 55. It presents an introduction to accounting for promissory notes and drafts, inventory control and prepaid expenses, methods of depreciation, disposal of long-lived assets, procedures for internal control, and year-end closing the books accounting procedures. (AA)

BUS 59 BUSINESS ENGLISH (3)*Class Hours: 3 Lecture CR/NC*

Business 59 offers a review of the principle of correct and effective English usage as applied in the business environment. Emphasis is on sentence structure, word usage, punctuation, spelling, business vocabulary, dictionary usage, grammar review and proofreading. Heavy emphasis is placed on the use of various business documents throughout the course for students to apply their writing skills. (AA)

BUS 62A CAREER SUCCESS & JOB RETENTION SKILLS (.5)*Class Hours: 1 Lecture (9 weeks) CR/NC*

Business 62A focuses on the steps necessary for a successful job search, including finding job sources, how to apply, how to accurately complete the application, how to develop and use a resume, how to prepare for the interview, how to make a positive first impression, and dealing with rejection. It also covers techniques for meeting employer expectation and growing on the job. Topics include understanding the work culture, effective human relation skills, developing a positive attitude, being a team player and time management. This course may be used as credit for either Business or Hotel, Restaurant, and Casino Management but not for both. (AA)

BUS 62B WORKPLACE COMMUNICATION SKILLS (.5)*Class Hours: 1 Lecture (9 weeks) CR/NC*

Business 62B focuses on the importance of effective communication in the workplace. Topics include discussion of the four components essential to communication (sender, medium, message, and receiver), barriers to effective communication, and techniques for avoiding barriers, as well as skills in developing effective telephone communications. This course may be used as credit for either Business or Hotel, Restaurant, and Casino Management but not for both. (AA)

BUS 62C BUILDING CONFIDENCE & WORKING WITH THE PUBLIC (.5)*Class Hours: 1 Lecture (9 weeks) CR/NC*

Business 62C focuses on strategies for dealing with the public. Topics include building confidence, managing stress, anger management and dealing with disappointed, demanding, or disruptive guests or customers. This course may be used as credit for either Business or Hotel, Restaurant, and Casino Management but not for both. (AA)

BUS 62D GUEST RELATIONS & CUSTOMER SERVICE (1.5)*Class Hours: 1 Lecture (9 weeks) CR/NC*

Business 62D analyzes the basic concepts and current trends in the hospitality and customer service industries. The skills necessary to achieve quality guests and customer service are stressed, as well as the following topics: guest/customer expectations, guest/customer satisfaction, guest/customer dissatisfaction, meeting guest/customer needs, guest/customer retention, and creating a guest/customer service system. This course may be used for either Business or Hotel, Restaurant, and Casino Management but not for both. (AA)

BUS 63 SKILL BUILDING KEYBOARDING (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC**Prerequisite: BUS 80A/B or ability to type by touch 15 nwpm. Strongly Recommended Preparation: ENG 101B or equivalent.*

Business 63 is a review of the keyboard and keyboarding techniques. Word accuracy and speed development are stressed. (AA)

BUS 67 FILING AND RECORDS MANAGEMENT (2)*Class Hours: 2 Lecture CR/NC*

Business 67 provides instruction and practice in traditional records and information management as well as electronic or automated records management systems. Alphabetic, geographic, subject, and numerical filing systems are covered along with the materials, supplies, and related equipment used in the management of information in today's modern business environment. (AA)

BUS 69 MODERN OFFICE PROCEDURES (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: Ability to typewrite.*

Business 69 is designed to help the student make a satisfactory transition from the classroom to the business office. It provides training in general office practice; secretarial efficiency, relations; personality development and customer planning as these pertain to business; and applying for, obtaining, and advancing on the job. (AA)

BUS 71 INCOME TAX ACCOUNTING (4)*Class Hours: 4 Lecture CR/NC**Prerequisite: Knowledge of Lotus 1-2-3 or another spreadsheet package is strongly recommended.*

Business 71 is a one-semester course in tax accounting, with an emphasis on Federal Income Taxation for individuals. The course will include a discussion of personal and dependency exemptions; filing status and requirements; gross income inclusions and exclusions; deductions and losses, employee business expenses; capital recovery, including depreciation; property transaction; and the alternative minimum tax. (AA)

BUS 74 COMPUTERIZED ACCOUNTING (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC**Strongly Recommended Preparation: BUS 1A or BUS 55.*

Business 74 provides instruction in accounting procedures and applications, including general ledger accounts receivable, accounts payable, inventory, and payroll for a proprietorship, partnership, and corporation, using microcomputers. (AA)

BUS 80A INTRODUCTORY ALPHABETIC KEYBOARDING (1.5)*Class Hours: 1 Lecture, 1.5 Laboratory CR/NC**Strongly Recommended Preparation: ENG 101B or equivalent.*

Business 80A is an introductory course taught on computers to develop keyboarding by touch skills to students with no previous experience. Correct technique is emphasized. Skill is developed by drill, and varied timed writings. The course will cover the letters, punctuation, and spacing. This course is intended for business or personal use. (AA)

BUS 80B INTRODUCTORY NUMERIC/SYMBOL KEYBOARDING (1.5)*Class Hours: 1 Lecture, 1.5 Laboratory CR/NC**Prerequisite: BUS 80A or equivalent**Strongly Recommended Preparation: ENG 101B or equivalent.*

Business 80B is an introductory course taught on computers to develop keyboarding by touch skills to students with no previous experience. Correct techniques are emphasized. Skills are developed by drill and varied timewritings. The course will cover numbers and symbols. This course is intended for business or personal use. (AA)

BUS 81A INTERMEDIATE KEYBOARDING & DOCUMENT PROCESSING I (1.5)*Class Hours: 1 Lecture, 1.5 Laboratory CR/NC**Prerequisite: BUS 80A/B or ability to type by touch 35 nwpm. Strongly Recommended Preparation: ENG 101B or equivalent.*

Business 81A is an intermediate course in keyboarding and is designed to increase speed and accuracy as well as process documents used in the business world today. Students will be introduced to MicroSoft Word software, memorandums, and letter styles. Correct techniques are emphasized. (AA)

BUS 81B INTERMEDIATE KEYBOARDING & DOCUMENT PROCESSING II (1.5)*Class Hours: 1 Lecture, 1.5 Laboratory CR/NC**Prerequisite: BUS 81A or the ability to type by touch 40 nwpm. Strongly Recommended Preparation: ENG 101B or equivalent.*

Business 81B is an intermediate course in keyboarding and is designed to increase speed and accuracy as well as process documents used in the business world today. Students will be introduced to MicroSoft Word software, reports, title pages, and tables. Correct technique is emphasized. (AA)

CHEMISTRY

CHEM 1A GENERAL CHEMISTRY I (5)

Class Hours: 3 Lecture, 6 Laboratory CAN CHEM 2, CAN CHEM SEQ A B1, B3

Prerequisite: Math 63 and high school chemistry.

Strongly Recommended Preparation of ENG 51A or equivalent.

Material Fees: \$15.00

Chemistry 1A will cover the principles of chemistry and their applications including scientific methodology, chemical periodicity, stoichiometry, classical and quantum mechanical atomic and molecular modeling, chemical energetics and spectroscopy, chemical bonding, properties and models of solids, liquids, gases, aqueous solutions, reactions of acids/bases/salts, and aqueous Redox reactions. (AA, CSU, UC) The Chemistry 1A, 1B sequence is required of all students majoring in chemistry, chemical engineering, engineering sciences, biology, microbiology, and all applied sciences at University of California, i.e., medicine, pharmacy, veterinary science, nursing, home economics, etc. These courses are acceptable for credit at the University of California and California State University and Colleges.

CHEM 1B GENERAL COLLEGE CHEMISTRY II (5)

Class Hours: 3 Lecture, 6 Laboratory CAN CHEM 4 CHEM SEQ A B1, B3

Prerequisite: Successful completion of CHEM 1A or equivalent.

Material Fee: \$15.00

Chemistry 1B is a continuation of the study of the principles of chemistry with an emphasis on chemical thermodynamics (H, S, G), mechanisms and kinetics, equilibrium, electrochemistry, spectroscopy, nuclear chemistry, introductory organic and biochemical systems, and selected elemental chemistries of metals, non-metals, and metalloids. The laboratory includes qualitative, quantitative, and instrumental evaluation of selected species and parameters. (AA, CSU, UC) The Chemistry 1A, 1B sequence is required of all students majoring in chemistry, chemical engineering, engineering sciences, biology, microbiology, and all applied sciences at the University of California, i.e., medicine, pharmacy, veterinary science, nursing, home economics, etc. These courses are acceptable for credit at the University of California and California State University.

CHEM 2A INTRODUCTORY CHEMISTRY (4)

Class Hours: 3 Lecture, 3 Laboratory CAN CHEM 6, CAN CHEM SEQ B B1, B3

Prerequisite: MATH 63; concurrent enrollment in CHEM 55 or pass CHEM 55 Challenge exam.

Material Fee: \$15.00

Chemistry 2A is a study of the applied principles of chemistry for the allied sciences and non-science major. Included are scientific methodology, composition of matter, physical and chemical changes, bonding, nomenclature, chemical periodicity and reactivity, stoichiometry, states of matter, atomic and molecular modeling, chemical energetics, properties and models of solids, liquids, gases, aqueous solution and Redox reactions, pH, reactions of elements/acids/bases/salts, and a brief introduction to organic chemistry. (AA, CSU, UC) The Chemistry 2A, 2B sequence is a state university curriculum requirement for students planning to transfer to majors in agriculture, nursing, home economics, industrial technology, industrial arts and other applied sciences.

CHEM 2B INTRODUCTORY CHEMISTRY (4)

Class Hours: 3 Lecture, 3 Laboratory CAN CHEM 8, CAN CHEM SEQ B B1, B3

Prerequisite: Successful Completion of CHEM 2A or equivalent.

Material Fee: \$15.00

Chemistry 2B is a continuation of the study of the applied principles of chemistry for the allied sciences and non-science major. Building upon the principles established in CHEM 2A, the course focuses on applications in Organic and Biochemical Systems. It includes topical coverage of "functional group" characteristics and reactivity (hydrocarbons aldehydes, ethers, amines, etc.) compound synthesis and characterization, nutrition and the mechanisms of metabolic pathways, biochemical synthesis and energetics, chemical communication, and the chemistry of clinical therapeutics. (AA, CSU, UC) The Chemistry 2A, 2B sequence is a state university curriculum requirement for students planning to transfer to majors in agriculture, nursing, home economics, industrial technology, industrial arts and other applied sciences.

CHEM 5 QUANTITATIVE ANALYSIS (4)*Class Hours: 2 lecture, 6 laboratory**Prerequisite: CHEM 1B or concurrent enrollment*

Chemistry 5 is an introduction to the theory and modern techniques of analytical measurements. The course includes gravimetric, volumetric and an introductory selection of instrumental techniques such as UV-VIS-AA spectrometries, chromatographies, separation techniques, and electroanalytical methods; microprocessor and computerized data gathering, processing and reduction, and computer simulations. Lab exercises apply analyses to consumer products, industrial precursor compounds/ores, waste water, blood, chemical waste streams, and clinical samples to demonstrate the theory. Appropriate training in chemical safety is provided. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog).

CHEM 8 ORGANIC CHEMISTRY (3)*Class Hours: 3 Lecture**Prerequisite: CHEM 1B or equivalent.*

Chemistry 8 is the study of basic theory and principles of the structure, bonding theories, nomenclature, properties and reactivity of the major classes of organic compounds as well as those important in biochemistry. Characterization by functional group reactivity, synthesis mechanisms and uses are also included for typically: hydrocarbons, alcohols, ethers, esters, ketones, aldehydes, carboxylic acids, amines, amides, and aromatics and substituted aromatics, lipid, glycolipids, glycoproteins, enzymes, carbohydrates, peptides, nucleic acids, and natural products. Included are discussions of heterocyclic and polymeric systems, stereochemistry, isomerism, chiral synthesis, and introductory concepts basic to biotechnology. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog.)

CHEM 9 ORGANIC LABORATORY (3)*Class Hours: 1 lecture, 6 laboratory**Prerequisite: CHEM 8 or concurrent enrollment*

Chemistry 9 is the study of laboratory methods and techniques for the synthesis, separation, isolation, qualitative analysis and characterization as applied to commercially important organic compounds and biochemicals. Microscale labware, analytical chemical instrumentation and computer simulation enhance the standard lab routines. Designed to be taken concurrently with Chemistry 8. Chemical safety and waste disposal training is provided. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog).

CHEM 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

CHEM 35 CHEMISTRY IN THE MODERN WORLD (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC B1, B3**Prerequisite: High School Diploma or equivalent recommended.*

Chemistry 35 is a non-mathematical, humanistic approach to the beauty, logic, wonder and power of modern chemistry and its impact on society. Modern video presentations, coupled with discussions and laboratory verification, cover selected topics such as chemical modeling, measurement systems, periodicity, bonding and architecture, atmospheric chemistry, tailor-made molecules, surface phenomena, batteries, colors and gemstones, and chemical fingerprinting. (AA, CSU)

CHEM 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester unit.*

Chemistry 49/ series is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completion or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

CHEM 55 BASIC MATHEMATICS FOR BEGINNING CHEMISTRY (1)*Class Hours: 1 Lecture*

Chemistry 55 is a precursor course designed to remove math anxiety and phobia which often limit the student's success in general chemistry. The student will be introduced to the scientific perspective, scientific methodology, mathematical skills, and problem solving. Students will gain proficiency in using a scientific calculator and receive instruction in producing and interpreting graphs and diagrams. The basic review of mathematical skills and the development of mathematical concepts and problem solving techniques focused on applications in general chemistry will be covered. (AA)

COMPUTER INFORMATION SYSTEMS

CIS 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7 units, including work-experience) and work part-time (up to 20 hours per week).

CIS 15XY OCCUPATIONAL WORK EXPERIENCE (ALTERNATE) (1-8)

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate occupational work experience.

CIS 4 INTERNET PROGRAMMING-XML (3)

Class Hours: 3 Lecture CR/NC

Strongly Recommended Preparation: CIS 16 or equivalent.

Computer Information Systems 4 is an introductory course using Extensible Markup Language. XML is the evolutionary successor to Hyper Text Markup Language (HTML). Extensible Markup Language (XML) is the right tool for modern information management. XML provides a flexible framework to create your own customized markup language documents. XML provides the foundation for E-commerce documents requiring client and server side application, streaming site development and capturing hyper text relationships using XML Extensible Link Language (XLL). (AA)

CIS 5 INTERNET PROGRAMMING-CSS (3)

Class Hours: 3 Lecture CR/NC

Strongly Recommended Preparation: CIS 16, Math 101 and ENG 101B or equivalent

Computer Information Systems 5 is an introductory course using Cascading Style Sheets (CSS). CSS are an addition to Hyper Text Markup Language (HTML). CSS allows web page designers to expand their ability to control a web page. CSS allow for the nesting of key page elements allowing the page designer to achieve a consistent look and feel throughout their web site. This course is for the student wishing to expand their knowledge base for the creation and advanced design of web pages. (AA)

CIS 6 INTERNET PROGRAMMING-DHTML (3)

Class Hours: 3 Lecture CR/NC

Strongly Recommended Preparation of CIS 16, Math 101 and ENG 101B or equivalent.

Computer Information Systems 6 is an introductory course using Dynamic Hyper Text Markup Language. Dynamic HTML is the name given by both Netscape and Microsoft to the use of the Document Object Model, Cascading Style Sheets, and client-side scripting to make web pages more interactive. By using these technologies, developers can make their web pages change on the fly and interact with users without having to reload. Dynamic Hyper Text markup Language is an expansion of HTML, which allows interactivity in web pages. (AA)

CIS 7 COMPUTER CONCEPTS (3)

Class Hours: 2 Lecture, 3 Laboratory CR/NC

Strongly Recommended Preparation: ENG 101B and MATH 101 or equivalent.

Computer Information Systems 7 is a survey course appropriate for the general student interested in the elements of computers and their social implications. The course introduces the use of an operating system, a word processor, a spreadsheet, a database program and the use of the Internet for research purposes. (AA, CSU)

CIS 8 MICROCOMPUTER OPERATING ENVIRONMENT: WINDOWS (2)

Class Hours: 1 Lecture, 3 Laboratory CR/NC

Strongly Recommended Preparation: Ability to type at least 20 n/wpm.

Computer Information Systems 8 provides an overview of computer hardware and operating systems concepts used on computer systems. This introductory course studies graphical operating environments (graphical user interfaces) with an in-depth study of Windows and the window environment. Students will use a computer system to execute problem solving exercises using the programs supplied with Windows and setting up application programs that are either Windows or non-window programs. (AA, CSU)

CIS 9 ADVANCED DOS/HARDDISK MANAGEMENT (1)

Class Hours: .5 lecture, 2.5 laboratory CR/NC

Computer Information Systems 9 is an advanced PC/MS DOS course designed to provide the student with advanced knowledge in the designing and operations of batch file. Emphasis will be in the areas of AUTOEXEC.BAT and multiple CONFIG.SYS files and advanced hard disk management tools of MS/PC DOS 6.0 and above. (AA, CSU)

CIS 10 MICROCOMPUTER CONCEPTS & DOS FOR NETWORKERS USERS (1)*Class Hours: 1 Lecture CR/NC*

Computer Information Systems 10 covers the basics of DOS command execution, disk drive operations, file maintenance, directory maintenance, batch files, and configuration of DOS systems. The concepts section covers a brief introduction to microcomputers, microprocessors, databases, memory, disks and disk drives, video displays, serial and parallel ports and computer system configuration. (AA, CSU)

CIS 14 C++ PROGRAMMING (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

Strongly Recommended Preparation: ENG 101B and MATH 101 or equivalent.

Computer Information Systems 14 is an introduction to computer programming using the C++ programming language. This course is designed to familiarize the user with the Win 32 API and Win 32 applications, and to introduce Microsoft Developer Studio, its utilities, and its debugging features and basic object oriented controls. (AA, CSU, UC)

CIS 15 BASIC (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC B4*

Strongly Recommended Preparation: MATH 63 or equivalent.

Computer Information Systems 15 is an introduction to computer programming using the BASIC language and covering decision logic, loop control, arrays, strings, and formatted processing. Applications will be selected from science, business, social science and agriculture. (AA, CSU, UC)

CIS 16 INTERNET PROGRAMMING-HTML (3)*Class Hours: 3 Lecture CR/NC*

Strongly Recommended Preparation: ENG 51A or equivalent.

Computer Information Systems 16 is an introductory course in the HTML programming. CIS 16 begins with the basic requirements of a web page. The course builds the student's repertoire from tiles, paragraphs, and bulleted text to multimedia presentation of sounds, images and imbedded video. CIS 16 will introduce the essentials of how CGI scripts work and an introduction to the PERL programming language to write them. Students will also be introduced to Javascript and VBScript in the use of form validation, creation of pop-up windows and client-scripting. The final phase of the course will present style sheets and layers. (AA, CSU, UC)

CIS 17 INTERNET PROGRAMMING-JAVA (3)*Class Hours: 3 Lecture CR/NC*

Strongly Recommended Preparation: CIS 14 and previous knowledge of HTML and use of Web browser.

Computer Information Systems 17 is an introductory course in the JAVA programming language. Topics include a review of HTML and extensive JAVA programming with frames, forms, animation, plug-ins, map areas, cookies, and other interesting techniques. Students should already be familiar with the concepts of modular programming, arrays and looping. (These concepts will be reviewed, not taught in depth). Access to a computer with Internet capability and e-mail, as well as familiarity with using a browser is mandatory. (AA, CSU)

CIS 17A INTERNET PROGRAMMING-JAVA SCRIPT (3)*Class Hours: 3 Lecture CR/NC*

Strongly Recommended Preparation: ENG 101B or equivalent.

Computer Information Systems 17A is an introductory course in JavaScript programming. This course will focus solely on JavaScript and it will explore the language in depth. Students will learn to create an interactive user interface, giving the users feedback as they navigate web sites. Further studies will include, but not be limited to, controlling browsers, opening up new windows, and displaying alert boxes and placement of custom messages with the status bar. (AA, CSU)

CIS 18 INTERNET PROGRAMMING-PERL (3)*Class Hours: 3 Lecture CR/NC*

Strongly Recommended Preparation: ENG 101B and MATH 101 or equivalent.

Computer Information Systems 18 is an introductory course in PERL programming. It will begin with the basics-how to write loops and open files and progress through advanced topics such as networking and generating graphics. PERL is an upcoming language for everyone who needs to build software quickly and painlessly. It is a general purpose language; PERL has string and subroutines and structure data types, and built-in facilities for file and process manipulation making it ideal for forms and interactive web pages. (AA)

CIS 19B DATABASE CREATION & MANAGEMENT (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

Computer Information Systems 19B (ACCESS) will teach the student to use a database program on a microcomputer. Students will learn database creation, report generations, updating, editing, and form structure and use. (AA, CSU)

CIS 20 INTERNET GRAPHICS -PHOTOSHOP (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation of ENG 101B or equivalent.*

The art of web design involves combining code, text, and images to creatively communicate a message. Computer information Systems 20 will teach students to create, optimize, and utilize in moderation images which can add balance, motion, and interaction to a page without significantly hindering load time. This course is for the beginning Photoshop student as well as those interested in exploring the vast possibility of the Photoshop program. (AA, CSU)

CIS 21 DESKTOP PUBLISHING (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC**Prerequisite: CIS 8, BUS 13A/B*

Computer Information System 21 is the application of common sense design techniques to the production of reports, presentation material, newsletters, forms, manuals, catalogs, advertising material and books. Knowledge of word processing techniques and the use of a mouse is suggested. (AA, CSU)

CIS 25 ADMINISTERING WINDOWS NT (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC**Strongly Recommended Preparation: ENG 101B or equivalent.*

Computer Information Systems 25 provides students with the knowledge and skills necessary to perform post-installation and day-to-day Microsoft Windows NT administration tasks in single-domain and multiple-domain networks. This course also gives students the prerequisite knowledge and skills for CIS 26. This course is intended for those who administer Microsoft Windows NT server and Windows NT Workstation or who are on the Microsoft Certified Systems Engineer (MCSE) Windows NT 4.0 track. (AA, CSU)

CIS 26 WINDOWS NT SERVER (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC**Prerequisite: CIS 25 or equivalent*

Computer Information Systems 26 provides students with the knowledge and skills necessary to install, configure, customize, and troubleshoot Microsoft Windows NT in a single-domain Windows NT based network. In addition, this course teaches students to integrate Windows NT and Novell NetWare networks. This course also helps to prepare students to meet the certification requirements to become a Microsoft Windows NT Certified Professional. CIS 26 is intended for those who support or administer Microsoft Windows NT Server 4.0 and Windows NT Workstation 4.0 or who are on the Microsoft Certified Systems Engineer Windows NT 4.0 Track. (AA, CSU)

CIS 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

CIS 34 INTRODUCTION TO SPREADSHEETS (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: ENG 101B and MATH 101 or equivalent.*

Computer Information Systems 34 is an introduction to microcomputer spreadsheets using Microsoft Excel. Primary emphasis will be on the use of the command structure and operation. Topics covered will include spreadsheets design and format, graphs, and database functions. (AA, CSU)

CIS 35 ADVANCED SPREADSHEETS (3)*Class Hours: 3 Lecture CR/NC**Prerequisite: CIS 34*

Computer Information Systems 35 is an advanced spreadsheet course using Microsoft Excel. Primary emphasis will be on the use of the program's advanced features, such as file management, multiple worksheets, data tables and scenario management, and application development with macros using Visual Basic. Students should have a firm understanding of Microsoft Excel prior to taking this course. (AA, CSU)

CIS 42 SYSTEM DESIGN AND ANALYSIS (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: CIS 13, 15 or prior microcomputer experience.*

Computer Information Systems 42 examines the concepts of computer information systems and the changes which have occurred over the past several years. It covers the concepts of systems analysis and design. It familiarizes learners with the tools needed to investigate, evaluate, select, and design a system. It prepares learners to understand and use logical analysis to solve a wide variety of problems. (AA, CSU)

CIS 43A LAN SYSTEMS ADMINISTRATION, SCRIPT NETWORK 4.X (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC**Corequisite: CIS 10*

Computer Information Systems 43A covers the basis of system administration using Novell NetWare Version 4.X. Topics covered include introduction to NetWare 4.X, connecting to the network, using 4.0 Resources, managing NetWare Directory Services, accessing network resources, planning file systems, managing network file storage, implementing file system security, implementing network directory security, managing the server, implementing printing, automating the user environment, and protecting network data. May be taken two times for credit. (AA, CSU)

CIS 43B LAN ADVANCED ADMINISTRATION, NETWORK 4.X (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC**Prerequisite: CIS 43A*

Computer Information Systems 43B is designed to help the network administrator build the higher-level network management skills and strategies needed for their role. Topics include: Management Strategies, NetWare Directory Services Management, Network Performance Management, Advanced Printing, Remote Management Overview, Protocol Support Overview, Prevention and Maintenance, and Name Service Overview. May be taken two times for credit. (AA, CSU)

CIS 44A LAN SYSTEM ADMINISTRATION NETWORK 3.1X (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC**Prerequisite: CIS 10 and a basic understanding of DOS commands, directory structures, memory utilization, batch files, device drivers, hardware configuration and terminology.*

CIS 44A covers the basics of systems administration using Novell NetWare Version 3.1X. Topics covered include introduction to NetWare 3.1X, connecting to the network, using NetWare 3.1X Resources, accessing network resources, planning file systems, managing network file storage, implementing file system security, implementing login security, managing the server, implementing printing, automating the user environment, protecting network data, and installing network applications. May be taken two times for credit. (AA, CSU)

CIS 44B LAN ADVANCED ADMINISTRATION NETWORK 3.1X (2)*Class Hours: 1 lecture, 3 laboratory**Prerequisite: CIS 44A*

Computer Information Systems 44B is designed to help the network administrator build the higher-level network management skills and strategies needed for their role. Topics include: Management Strategies, Network Performance Management, Advanced Printing, Remote Management Overview, Protocol Support Overview, Prevention and Maintenance, and Name Service Overview. May be taken two times for credit. (AA, CSU)

CIS 45 NETWORK 4 INSTALL AND CONFIGURE (1)*Class Hours: .5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 43A*

Computer Information Systems 45 is a Novell certified course (Novell's 804) required for Novell CNE's who choose to fulfill their CNE requirements within the NetWare 4 track. This course is designed to provide students with the opportunity to apply skills learned in Administration and Advanced Administration classes. Students completing this course will be able to upgrade servers from previous NetWare versions to NetWare 4, install NetWare 4 operating system using either the Simple or Custom installation, configure the NetWare 4 operation system and install the Online Documentation. May be taken two time for credit. (AA, CSU)

CIS 46 NETWORK 4 DESIGN & IMPLEMENTATION (1)*Class Hours: .5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 43A*

Computer information Systems 46 is a Novell certified course (Novell's 532) required for Novell CNE's who choose to fulfill their CNE requirements within the NetWare 4 track. The purpose of the course is to teach the skills of creating a NetWare 4 design and implementation strategy. The student will learn a process that shows the sequence of skills and tasks that enable a solid design, using proven methods. At the end of the course, the student will complete a NetWare 4.1 design strategy and implementation schedule with templates that can be used for creating a design in their own networking environment. May be taken two times for credit. (AA, CSU)

CIS 47 NETWORKING TECHNOLOGIES (3)*Class Hours: 3 Lecture CR/NC*

Computer Information Systems 47 is a Novell certified course (Novell's 200) required for Novell CNE's. The course is designed to: familiarize students with the terms and concepts used in the computer networking industry; provide students with a conceptual framework for other networking courses; introduce concepts which can be used to understand computer networks and help students make informed decisions. May be taken two times for credit. (AA, CSU)

CIS 48 NETWARE TCP/IP TRANSPORT (2)*Class Hours: 1 lecture, 3 laboratory CR/NC**Strongly Recommended Preparation: CIS 47*

Computer Information Systems 48 is designed to provide hands-on experience installing and configuring NetWare TCP/IP software on a NetWare 4 server. Students will learn how to use common TCP/IP applications, including Telnet and FTP, and to troubleshoot common problems that may occur in a TCP/IP environment. May be taken two times for credit. (AA, CSU)

CIS 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

All courses numbered 49/99 are designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

CIS 50 NETWORKING ESSENTIALS-CISCO (4)*Class Hours: 4 Lecture*

Computer Information Systems 50 covers basic networking terminology and concepts as well as introducing the student to the dominant installed LAN networking technologies. Topics include the OSI model, physical media, cabling, media addressing and access, Ethernet repeaters and bridges, IP addressing, and Ethernet and IP encapsulation. (AA)

CIS 51 INTERCONNECTING CISCO NETWORK DEVICES (4)*Class Hours: 4 Lecture CR/NC**Prerequisite: Completion of CIS 50 or equivalent.*

Computer Information Systems 51 will explore a wide range of technical details on routing models, processes, and design; it can be used as a general reference for anyone designing, implementing, or supporting an internet work with TCP/IP/IPX/SPX, AppleTalk, SNA, DECnet and Banyan VINES protocols: for students anticipating taking one or more of the Cisco certification exams, particularly the CISCO Certified Network Associate (CCNA) exam, the second class in the training process. (AA)

CIS 52 ADVANCED ROUTING AND SWITCHING (4)*Class Hours: 4 Lecture CR/NC**Prerequisite: Successful completion of CIS 50, 51 or equivalent (CNAP Semester 1 and 2).*

Computer Information Systems 52 will explore a wide range of technical details on routing models, processes, and design; it can be used as a general reference for anyone designing, implementing, or supporting an internet work with TCP/IP/IPX/SPX, AppleTalk, SNA, DECnet and Banyan Vines protocols. (AA)

CIS 53 ADVANCED NETWORK MANAGEMENT (4)*Class Hours: 4 Lecture CR/NC**Prerequisite: Successful completion of CIS 50, 51 and 52 or equivalent (CNAP Semester 1, 2 and 3).*

Computer Information Systems 53 contains module by module plans for Semester 4 of the Cisco CCNA core curriculum. Topics include WAN design, PPP, ISDN, and Frame Relay. A review for the CCNA exam is also included as part of the overall CCNA program review. (AA)

CIS 65B INTERNET: WEB PAGE CREATION (5)*Class Hours: 1.5 Laboratory CR/NC*

Computer Information Systems 65B will cover the creation and maintenance of web page with the collection of appropriate foreign (URLs) and local (text, multimedia) resources as an Internet connection site. These resources are then referenced via a HTML source document. "HTML" is the acronym for "Hyper Text Markup Language." The course will also include proper net-etiquette, security and ethics. May be taken four times for credit. (AA)

CIS 67 COMPUTER ESSENTIALS (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

Computer Information Systems 67 is an introductory survey course appropriate to the student who needs to develop computer literacy skills, including an understanding of microcomputers and their application to everyday tasks. The course introduces the use of a user interface/operating system and applications including a word processor, spreadsheet, database, presentation graphics, and the Internet. (AA)

CIS 71 INTRODUCTION TO E-COMMERCE (3)*Class Hours: 3 lecture CR/NC**Strongly Recommended Preparation: ENG 101B or equivalent*

Computer Information Systems 71 is an introductory course in conducting Electronic Commerce via the Internet and the Global Information Infrastructure (GII) and its development. Further studies will include, but not be limited to, intellectual property rights, privacy, security issues and marketing and advertising techniques. These concepts will be reviewed and taught in depth. (AA)

CIS 72 INTRODUCTION TO NETWORKING (1)*Class Hours: .5 Lecture, 1.5 Laboratory CR/NC*

Computer Information Systems 72 is designed for computer users wishing to learn the basic networking concepts and terminology of the network computing industry. The course gives the student an introduction to data communication protocols such as IEEE, TCP/IP, NetWare, SNA and AppleTalk. The course provides the background information a student might need to understand networking products. (AA)

CIS 80 UPGRADING/REPAIRING AND CONSTRUCTION OF PC'S (2)*Class Hours: 2 Lecture CR/NC*

Computer Information Systems 80 is designed to help the student learn how to maintain, upgrade, repair, and construct their personal and business PC systems. The course covers areas of system improvements such as floppy disks, hard disks, CD-ROM drives, sound cards, central processing units, math co-processors, and power supplies. The course discusses the proper care of components and helps to identify and locate failing components. The student will learn about powerful diagnostics hardware and software that enables a system to help the end user determine the cause of a specific problem and how to repair it. (AA)

CIS 81A NETWORKING ESSENTIALS (3)*Class Hours: 2.5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 8 or equivalent.*

Computer Information Systems 81A provides the knowledge and training for information system (IS) professionals who need to design, plan, implement, and support computer networks or who plan to take the Microsoft Certified Professional exam, Networking Essentials, or the TIA Network+exam. (AA)

CIS 81B WINDOWS NT NETWORK ADMINISTRATOR (3)*Class Hours: 2.5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 81A or equivalent.*

Computer Information Systems 81B provides students with the knowledge and skills necessary to perform post-installation and day-to-day Microsoft Windows NT administrative tasks in single-domain and multiple-domain networks. In addition, it gives students the background to understand information in Microsoft courses that cover detailed technical support of the Windows NT workstations and servers. CIS 81B is intended for those who administer Microsoft Windows NT Server and Windows NT Workstation. (AA)

CIS 81C WINDOWS NT TECHNICAL SUPPORT (3)*Class Hours: 2.5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 81B or equivalent.*

Computer Information Systems 81C provides students with the knowledge and skills necessary to install, configure, customize, and troubleshoot Microsoft Windows NT in a single-domain Microsoft Windows NT-based network. In addition, students learn how to integrate Windows NT and Novell NetWare networks. CIS 81C is intended for those who support or administer Microsoft Windows NT Server 4.0 and Windows NT Workstation 4.0. (AA)

CIS 82A WINDOWS NT SERVER IN THE ENTERPRISE (3)*Class Hours: 2.5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 81C or equivalent.*

Computer Information Systems 82A teaches strategies and tactics for implementing, administering, and troubleshooting information systems that incorporate Windows NT Server version 4.0 in an enterprise-computing environment. An enterprise computing environment is typically a heterogeneous WAN. It might include multiple servers and multiple domains, and it might run sophisticated server applications. (AA)

CIS 82B TCP/IP FOR MICROSOFT WINDOWS NT (3)*Class Hours: 2.5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 82A or equivalent.*

Computer Information Systems 82B provides you with the knowledge and skills required to set up, configure, use and support Transmission Control Protocol/Internet Protocol (TCP/IP) on Microsoft Windows NT operating system version 4.0. It is intended for those who support or administer Microsoft Windows NT Server 4.0 and Windows NT Workstation 4.0 in a TCP/IP environment. (AA)

CIS 82C INTERNET INFORMATION SERVER (3)*Class Hours: 2.5 Lecture, 1.5 Laboratory CR/NC**Prerequisite: CIS 82B or equivalent.*

Computer Information Systems 82C teaches students how to support the various features of Microsoft Internet Information Server 4.0 (IIS). Students will learn how to install, configure, and implement all components that comprise IIS. They will also have hands-on experience setting up a Web site. CIS 82C is intended for those who support or administer Microsoft Internet Information Server 4.0. (AA)

CIS 90 MICROCOMPUTER APPLICATION SKILLS (1)*Class Hours: 3 Laboratory CR/NC**Strongly Recommended Preparation: Prior microcomputer experience.*

Computer Information Systems 90 is designed to provide the student with the opportunity to improve skills in the use of various applications software in today's changing microcomputer environment. This course will allow students to develop skills necessary to use software in their personal and professional activities. The choice of software may vary depending on new developments and technology of the software available, but will use such applications as databases, word processors, spreadsheets, graphics and desktop publishing. May be taken three times for credit. (AA)

CROP SCIENCE

CRPSCI 1 INTRODUCTION TO PLANT SCIENCE (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 101B or equivalent.*

Crop Science 1 is designed to provide the student with a working knowledge of plant classification, terminology, structure, and processes. The principles covered include: plant physiology, heredity, environmental factors that affect growth, adaptation, management and propagation of crops. Photosynthesis, respiration, translocation, soil, water, mineral nutrition, and biological competitors are also covered. (AA, CSU, UC)

CRPSCI 6 APPLICATION OF GPS MONITORING TECHNOLOGY IN AGRICULTURE (4)*Class Hours: 3 Lecture, 3 Laboratory*

Crop Science 6 provides an introduction and overview of the Global Positioning System (GPS) and its application in agriculture and a site-specific management system. Students will use GPS/DGPS receivers to map fields, navigate to way point, and record data when planning or spreading farming inputs on fields. (AA, CSU)

CRPSCI 11 FORAGE CROPS (2)*Class Hours: 2 Lecture*

Crop Science 11 provides instruction in the production, harvesting, and utilization of the principal California forage crops, with particular emphasis on San Joaquin Valley production. Major forage crops covered include corn silage, alfalfa, pastures, sorghums, sudans and winter forages. (AA, CSU)

CRPSCI 13 FIELD CROPS (3)*Class Hours: 2 Lecture, 3 Laboratory*

Crop Science 13 provides instruction in the production, distribution, and utilization of the major field crops in California, including cotton, sugar beets, and safflower. The college farm laboratory and commercial farms are utilized to expose students to the various production farming and business practices involved in agricultural production. (AA, CSU)

CRPSCI 16A INTRODUCTION TO INSECT PEST MANAGEMENT (1)*Class Hours: 2 Lecture, 3 Laboratory (6 weeks)*

Crop Science 16A provides instruction in the management of insect crop and livestock pests. Emphasis is on identification, prevention, monitoring and control within an integrated pest management framework. (AA, CSU)

CRPSCI 16B INTRODUCTION TO WEED PEST MANAGEMENT (1)*Class Hours: 2 Lecture, 3 Laboratory (6 weeks)*

Crop Science 16B provides instruction in the management of weed crop and livestock pests. Emphasis is on identification, prevention, monitoring and control of weed pests within an integrated crop production framework. (AA, CSU)

CRPSCI 16C INTRODUCTION TO PLANT DISEASE MANAGEMENT (1)*Class Hours: 2 Lecture, 3 Laboratory (6 weeks)*

Crop Science 16C provides instruction in the management of plant disease pests. Emphasis is on identification, prevention, monitoring and control within an integrated crop production framework. (AA, CSU)

CRPSCI 18A COOL SEASON VEGETABLE CROP PRODUCTION (1.5)*Class Hours: 2 Lecture, 3 Laboratory (9 weeks)*

Crop Science 18A provides instruction in the production, harvesting, and marketing of the major cool season vegetable crops in the San Joaquin Valley. These include: lettuce, broccoli, asparagus, onions, and garlic. (AA, CSU)

CRPSCI 18B WARM SEASON VEGETABLE CROP PRODUCTION (1.5)*Class Hours: 2 Lecture, 3 Laboratory (9 weeks)*

Crop Science 18B provides instruction in the production, harvesting, and marketing of the major warm season vegetable crops in the San Joaquin Valley. These include: cantaloupes, watermelon, fresh market tomatoes, squash, snow peas and sweet corn. A section on vegetable seed production is also included. (AA, CSU)

CRPSCI 19 WATER MANAGEMENT (2)*Class Hours: 1 Lecture, 3 Laboratory*

Crop Science 19 provides instruction in the fundamentals of irrigation application and measurement systems. It includes a study of basic irrigation systems: flood, surge, sprinkler, trickle or drip, sub-irrigation, and their variations. California's water systems and water quality problems will be reviewed. Various types of pumps and pumping systems will also be studied. (AA, CSU)

CRPSCI 61 INTRODUCTION TO PRECISION AGRICULTURE (1)*Class Hours: .5 Lecture, 1.5 Laboratory*

Crop Science 61 is a short course specifically designed to provide interested persons with an introduction to the field of precision agriculture. This course will provide the necessary knowledge to operate and apply Global Positioning Systems, as well as mapping, swathing, soil condition evaluation and variable rate application and guidance.

CRPSCI 80 PESTICIDE APPLICATION (1.5)*Class Hours: 3 Lecture (9 weeks)*

Crop Science 80 is designed to train students as pest control applicators and to assist in passing state certification and licensing exams. Emphasis is on the correct and safe method of using pesticides. May be taken two times for credit. (AA)

CRPSCI 81 SEMINAR IN INTERGRATED PEST MANAGEMENT (1)*Class Hours: 3 Lecture (6 weeks)*

Crop Science 81 is a seminar course designed to aid PCA's and PCO's and others in the pest industry to obtain educational units to maintain their licenses. Instruction will include but not be limited to: laws and regulations, pesticide application, pest scouting, updates in materials and their usage, and biological tools in pest management. Current crop science students are encouraged to take this course to remain current on pest management issues. May be taken three times for credit. (AA)

DIESEL TECHNOLOGY**DT 72 COMMERCIAL TRUCK ORIENTATION (3)***Class Hours: 3 Lecture**Corequisite: Concurrent enrollment in DT 73.**Strongly Recommended Preparation: ENG 51A, eligibility for MATH 61 or equivalent.*

Diesel Technology 72 is a required class for all Truck Driving students. The class has a coordinated instruction program with DT 90 and DT 93 Truck Driving. The class is for the driver, owner operator, inexperienced mechanic, and/or any persons with an interest in commercial vehicles. DT 72 will provide an introduction to D. O. T. regulations, air brake systems, major and minor mechanical systems, minor repairs, and the commercial vehicle inspection. Safety and safe work procedures will be emphasized. (AA)

DT 73 COMMERCIAL TRUCK ORIENTATION LAB (1)*Class Hours: 3 Laboratory**Corequisite: Concurrent enrollment in DT 72.**Strongly Recommended Preparation: ENG 51A and eligibility for MATH 61 or equivalent.*

Diesel Technology 73 is a required class for all Truck Driving students. This class has a coordinated instruction program with DT 72, DT 90 and DT 93 Truck Driving. The class is for the driver, owner operator, inexperienced mechanic or any person with an interest in commercial vehicles. DT 73 will provide a hands on introduction to the major and minor mechanical systems, and the commercial vehicle inspection, and the theories presented in DT 72. (AA)

DT 90 TRUCK DRIVING (5)*Class Hours: 5 Lecture**Prerequisite: 1) Valid Class "C" driver's license, 2) Able to qualify for California Class "A" learner's permit: At least 18 years of age; pass Federal Department of Transportation's physical and drug test.**Corequisite: Complete DT 72 or concurrent enrollment in DT 72, DT 73, and DT 93.**Strongly Recommended Preparation: A clean driving record.*

Diesel Technology 90 prepares the potential truck driver to pass the California Department of Motor Vehicles Class "A" driver's license test, including written skills, vehicle inspection, and driving instructions. Instruction will include preparation for the learner's permit, medical examinations, vehicle code, equipment types, equipment inspection, driver's paperwork, and minor repair procedures. May be taken two times for credit. (AA)

DT 91 ADVANCED TRUCK DRIVING (6)*Class Hours: 3 Lecture, 9 Laboratory**Prerequisite: Completion of DT 90 with passing grade of "C" or better and a Class "A" license.*

Diesel Technology 91 is a second level driving class for the advanced skill level student who has met all the prerequisites. The class will cover truck operation, unloaded and loaded; load handling; tie down systems; tarping and cover systems; day and night operating. Load, vehicle and drive documentation will be included. (AA)

DT 93 TRUCK DRIVING LABORATORY (3)*Class Hours: 9 Laboratory**Corequisite: Concurrent enrollment in DT 90.*

Diesel Technology 93 provides the student with hands on application for DT 90. DT 93 puts the student behind the wheel of modern day, top quality equipment. May be taken two times for credit. (AA)

EARLY CHILDHOOD EDUCATION**ECE 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)**

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4.0 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7 units, including work-experience) and work part-time (up to 20 hours per week).

ECE 15XY OCCUPATIONAL WORK EXPERIENCE (ALTERNATE) (1-8)

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

ECE 4 PARENTING (3)*Class Hours: 3 Lecture Advisory:**Strongly Recommended Preparation: ENG 101B or equivalent.*

Early Childhood Education 4 offers parents and teachers information for understanding parent-child relationships. Students will explore the use of positive parenting skills, assess socially acceptable family values, and learn about child development and how it plays a direct part in parenting the child. (AA, CSU)

ECE 5 CHILD DEVELOPMENT (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 5 is a study of the growth and development of the child from prenatal life through adolescence, with concentration on the first six years of life. Issues concerning the physical, cognitive, emotional and social development of the child will be studied from relevant theoretical positions. This course is required in order to qualify for the Children's Center Instructional Permit and/or the West Hills College Early Childhood Education Certificate. The State of California, Office of Teacher Credentialing requires the student to pass this course with a grade of "C" or better. (AA, CSU, UC)

ECE 7 EARLY INTERVENTION (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 7 provides information pertaining to the understanding and the support of infants/toddlers that are at risk or have established disabilities. Additional emphasis will be directed to assessments, diagnosis and referral identification, curriculum development, learning environment, community resources and strategies for working with diverse families. Students will be required to do fifteen hours of observations/interviews and/or interaction with infants/toddlers with established risks or established disabilities. (AA,CSU)

ECE 8 INFANT MASSAGE (.5)*Class Hours: 3 Lecture*

Early Childhood Education 8 offers information and practice concerning nurturing touch and communication through the use of infant massage. Among the issues to be discussed will be mutual respect, bonding, infant behaviors, and infant stress reduction. The course is designed for parents, parents expecting a newborn and caregivers working especially in the early intervention situations. Students will need to purchase a book and may need to purchase other materials directed by the instructor. May be taken two times for credit. (AA,CSU)

ECE 9 USING INFANT GESTURES (.5)*Class Hours: 3 Lecture*

Early Childhood Education 9 offers students and parents information on the use of infant/toddler gestures prior to and during the development of verbal language ability and skills. Issues to be addressed in this course will be early childhood language development, listening skills and communication patterns. Students will have the opportunity to develop and practice their own gesture signs. This course is recommended for parents, infant/toddler caregivers and caregivers working in early intervention situations with children at risk or with established risks. (AA,CSU)

ECE 10 THE CHILD, FAMILY AND SOCIETY (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 10 is a study of the effects of the family and society on the young child. Course content includes information pertaining to children and politics, dysfunctional family issues, working with diverse families, understanding the role of the local community; learning to network federal, state, county, and community social service agencies for further family support when needed, and other issues that involve the socialization process of young children and their families. Students are required to accomplish 12 hours of community service. This course is a state mandated course for early childhood education teachers. (AA, CSU)

ECE 11 YOUNG CHILDREN WITH EXCEPTIONAL NEEDS (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 11 will address the needs of the exceptional children in the areas of growth and development; identification classifications; early intervention strategies; inclusion and the facilitation of learning in early childhood education programs. Information on federal legislation and attitudes and philosophy will be presented. (AA,CSU)

ECE 12A PRINCIPLES & PRACTICES OF EARLY CHILDHOOD EDUCATION (3)*Class Hours: 3 Lecture**Prerequisite: Proof of negative tuberculosis test within the past 12 months.**Corequisite: ECE 12B.**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 12A provides basic information pertaining to age-appropriate curriculum. Emphasis is on understanding and planning curriculum for young children that includes physical, social, emotional, cognitive and creative competencies. (AA, CSU)

ECE 12B PRINCIPLES & PRACTICES OF EARLY CHILDHOOD EDUCATION PRACTICUM (3)*Class Hours: 1 Lecture, 7 Laboratory**Prerequisite: Proof of negative tuberculosis test within the past 12 months.**Corequisite: ECE 12A**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 12B is the continuation of understanding and planning age-appropriate curriculum using classroom experiences. Students will be assigned to the West Hills College Child Development Center or other approved sites for supervised classroom experiences. All students receive teaching evaluations as part of the course requirements. (AA, CSU)

ECE 14A ADMINISTRATION & SUPERVISION OF CHILDREN'S PROGRAMS (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 14A will focus on state regulations governing early childhood education programs. Information pertaining to staffing, educational philosophies, program planning, health, safety and nutrition issues, child abuse reporting, budget development and successful business practices will be addressed. (It is recommended that students follow the Child Develop Permit matrix sequence.) (AA,CSU)

ECE 14B ADMINISTRATION & SUPERVISION OF CHILDREN'S PROGRAM PRACTICUM (3)*Class Hours: 1 Lecture, 6 Laboratory**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 14B provides administrative experiences in a community based child care center(s). Discussions, projects and specific assignments will be presented and discussed during weekly class time. This class involves the application of administrative knowledge as discussed in ECE 14A. The student will find it necessary to travel from center to center and out into the surrounding communities for specific assignments. (AA,CSU)

ECE 15 LITERATURE & LANGUAGE ARTS FOR YOUNG CHILDREN (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 15 is the study of age-appropriate literature for young children, with an emphasis placed on selection, evaluation and practice of the literature discussed. Students will be introduced to information on emerging literacy and language development. Appropriate language art skills for young children are included, as well as multicultural and gender identity information as it pertains to children's literature. (AA, CSU)

ECE 16 CREATIVE ACTIVITIES (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 16 is a study of the concept of creativity and how it relates to the growth of young children. The student will receive basic information on planning and implementing creative activities in the areas of music, dance, art, science, math, blocks, social studies and dramatic play. (AA, CSU)

ECE 17A SEX EDUCATION FOR TEACHERS & PARENTS OF YOUNG CHILD (1)*Class Hours: 18 Lecture**Strongly Recommended Preparation: ENG 51S or equivalent.*

Early Childhood Education 17A is designed for teachers and parents covering basic sex education for children. (AA, CSU)

ECE 17B CHILD ABUSE RECOGNITION & PREVENTION (1)*Class Hours: 18 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 17B provides information concerning child abuse recognition and prevention. The types of abuse and the psychological impact of abuse on young children are presented. Mandated reporting for educators and the California Penal Code as it pertains to child abuse will be addressed. (AA, CSU)

ECE 17C SINGLE PARENTING (1)*Class Hours: 18 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 17C is designed for single parents and for teachers working with single parents. Information in this course will include the effects of divorce on children, child custody issues and the family dynamics of the single parent family. (AA, CSU)

ECE 18 HEALTH, SAFETY AND NUTRITION (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 18 provides basic information promoting safety in an early childhood environment; recognition of symptoms of childhood communicable diseases; conditions affecting children's health and the importance of good nutrition for young people. Students will obtain practical classroom experience. (AA, CSU)

ECE 19 FAMILY DAY CARE (2)*Class Hours: 2 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 19 is an introduction to family day care, including health and safety issues, childhood nutrition, the development of children, child-centered guidance, curriculum, sound business practices, child abuse reporting, and working with adults in the family day care setting. Other issues addressed will be state regulations and guidelines for operating a family day care. (AA, CSU)

ECE 20A CHILD STUDY AND ASSESSMENTS (1)*Class Hours: 18 Lecture**Prerequisite: Proof of negative tuberculosis test within past 12 months.**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 20A provides experience in studying, observing and recording children's behavior using various scientific techniques. The class includes directed approaches to developmental assessments. (AA, CSU)

ECE 20B CHILD CENTERED GUIDANCE (1)*Class Hours: 18 Lecture**Prerequisite: Proof of negative tuberculosis test within past 12 months.**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 20B provides basic information and practice directed towards establishing a child-centered guidance program in the classroom. Problem-solving behavior of young children is addressed. (AA, CSU)

ECE 20C PERSONAL AND PROFESSIONAL DEVELOPMENT (1)*Class Hours: 18 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 20C includes discussion and active participation pertaining to personal and professional development issues. The course also addresses values, ethics, teacher burn out, successful teaching strategies and responsible assertiveness. (AA, CSU)

ECE 21 INFANT AND TODDLER CARE-GIVING (3)*Class Hours: 3 Lecture**Prerequisite: Proof of negative tuberculosis test within past 12 months.**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 21 is an overview of infant and toddler development, including physical growth, motor skills, perception, cognition, social skills and personality. Applied developmental knowledge will be directed to the study of appropriate equipment, curriculum content and health, safety and nutritional issues. Quality infant/toddler environments will be addressed. (AA, CSU)

ECE 22 SUPERVISING ADULTS WORKING IN CHILDRENS' PROGRAMS (2)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Early Childhood Education 22 provides information pertaining to the issues and methods of working with staff, adult volunteers, parents and other adults working in publicly funded, non-profit, and private children's programs. This course is required by the State of California Commission for Teacher Preparation and Licensing of all new master teachers, new site supervisors and new program directors that are employed in publicly funded children's programs as of April 1997. (AA, CSU)

ECE 23 DOMESTIC VIOLENCE RECOGNITION & PREVENTION (1)*Class Hours: 3 Lecture (6 weeks)*

Early Childhood Education 23 will address the recognition of domestic violence in families, its effects upon victims and children and how knowledge of the subject matter provides a prevention platform. (AA, CSU)

ECE 48 INFANT & CHILD CPR/FIRST AID FOR EARLY CHILDHOOD EDUCATION (1)*Class Hours: 1 Lecture (Material Fee: \$7.50)*

Early Childhood Education 48 is a course that will teach the student standard First Aid skills and CPR with emphasis on the infant and child. The course will prepare students for correct responses to emergencies and the student will receive certification in CPR/First Aid for the infant, child and adult. (AA, CSU)

ECE 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

ECE 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

ECE 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently in at least one course in the department of directed study. (AA, CSU)

ECONOMICS

ECON 1A MACROECONOMICS (3)*Class Hours: 3 Lecture CAN ECON 2 D3 CR/NC**Strongly Recommended Preparation: ENG 51A or equivalent.*

Economics 1A emphasizes macroeconomics introduction to American capitalism, national income concepts, employment, fiscal policy, money, monetary policy and economic growth. (AA, CSU, UC)

ECON 1B MICROECONOMICS (3)*Class Hours: 3 Lecture CAN ECON 4 D3 CR/NC**Strongly Recommended Preparation: ENG 51A or equivalent.*

Economics 1B emphasizes microeconomics introduction to economics of the firm, resource allocation, current domestic economic problems and international economics. (AA, CSU, UC)

EDUCATION

EDUC 1 INTRODUCTION TO TEACHING (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation of ENG 101B or equivalent.*

Education 1 is an orientation course for prospective teachers. It surveys teaching needs, methods and procedures, control and organization, financing, requirements for teaching, teacher placement, curriculum, guidance, and school materials. Classroom discussion and problems are combined with fieldwork and observation of actual teaching situations. This course may be taken for either Education 1 (EDUC 1) or Educational Assistant 31 (EA 31) credit but not for both. (AA, CSU)

EDUC 5 CRITICAL THINKING IN THE CLASSROOM (3)*Class Hours: 3 Lecture A 3**Prerequisite: ENG 51A or equivalent and EDUC 1 or equivalent.*

Education 5 is a critical thinking class intended for students who are considering teaching at K-8 level and entering a Liberal Studies Blended program. Principles and methods of critical thinking such as identifying arguments, developing reasoning skills, and identifying common fallacies are blended with applications of these concepts into a K-8 classroom environment. (AA, CSU)

EDUCATION ASSISTANT

EA 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7 units, including work-experience) and work part-time (up to 20 hours per week).

EA 15XY OCCUPATIONAL WORK EXPERIENCE (ALTERNATE) (1-8)

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

EA 31 INTRODUCTION TO TEACHING (3)*Class Hours: 3 Lecture*

Education Assistant 31 is an orientation for prospective teachers. It surveys teaching needs, methods and procedures, control and organization in education, financing; requirements for teaching, teacher placement, curriculum, guidance and school materials. Classroom discussion and problems are combined with fieldwork and observation of actual teaching situations. This course may be taken for either Education Assistant 31 (EA 31) or Education 1 (EDUC 1) credit but not for both. (AA, CSU)

EA 55 GENERAL TUTORING (1)*Class Hours: 1 Lecture*

General Tutoring is an intensive introduction to tutoring course, designed to provide students with information, techniques, and experiences that will make them more effective tutors.

EA 56 TUTORING THE ELEMENTARY STUDENT (1)*Class Hours: 1 Lecture*

Education Assistant 56 is designed for tutors who will be working or volunteering with students in K-6 age group. In addition to learning the fundamentals of tutoring, students will be trained in effective literacy development and exposed to current curricular techniques used to engage the elementary student.

EA 57 BEST PRACTICES SUMMER TEACHING INSTITUTE (1)*Class Hours: 1 Lecture*

EA 57 is an intensive 3-day summer institute designed for current classroom teachers and prospective teachers. It features relevant educational topics and best practices in the classroom such as classroom management, integration of technology into the curriculum, and issues in literacy. The institute features top educators from around the state and includes a "cross-conversations" component to enable current classroom teachers and future educators to share their experiences and methodologies.

EA 67A TUTOR WORKSHOP (.5)*Class Hours: 8 Lecture hours total*

Education Assistant 67A is an intensive introduction to tutoring and is recommended for all beginning tutors. (AA)

EMERGENCY MEDICAL TRAINING

EMT 1 EMERGENCY MEDICAL TRAINING (4)*Class Hours: 3 Lecture, 4 Laboratory CR/NC**Prerequisite: Proof of valid CPR/First Aid Certification.*

Emergency Medical Training 1 prepares the student for certification as an EMT within the State of California. Instruction includes topics pertaining to emergency medical care in the pre-hospital setting. Satisfactory completion of this course and certification exam will allow the student to work on an ambulance, fire engine, or in a hospital emergency room. This course requires ten hours of supervised instruction in an emergency room and six hours of supervised observation on an operational emergency ambulance. (This course will occasionally meet at off-campus locations and the student will be responsible for arranging his/her own transportation to those locations.) (AA,CSU)

ENGINEERING

ENGR 35 VECTOR STATICS (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: Math 1B or concurrent enrollment.*

Engineering 35 is the study of vector algebra and the statics of particle equivalent systems of force for rigid bodies, distributed forces and centroids and centers of gravity, analysis of structures, including trusses, inertia, and the method of virtual work. (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog.) (AA,CSU,UC)

ENGLISH

ENG 1A COMPOSITION AND READING (3)*Class Hours: 3 Lecture CAN ENGL 2, CAN ENGL SEQ A2**Prerequisite: ENG 51A or equivalent.*

English 1A is a transfer-level theory and practice in reading and composition. The reading and writing include exposition and argumentation in rhetorical patterns such as narration, description, comparison/contrast, etc., or combination of such patterns. At least one written research project is included-one ten-page term paper or two five-page research papers- to provide training in bibliographical techniques and the use of library facilities. (AA, CSU, UC)

ENG 1B LITERATURE, CRITICAL THINKING & WRITING (3)

Class Hours: 3 Lecture CAN ENGL 4, CAN ENGL SEQ A A3 C2
Prerequisite: ENG 1A or equivalent.

English 1B is designed to develop reading, critical thinking and writing skills beyond the level achieved in English 1A. It will develop critical thinking in interpretation, analysis, synthesis and argumentation about literary masterpieces of poetry, drama and fiction. (AA, CSU, UC)

ENG 21 LITERARY TOPICS (1-3)

Class Hours: 3 Lecture

Strongly Recommended Preparation: ENG 1A or equivalent.

English 21 is a sophomore-level survey course in literature. The topic varies from semester to semester, but each course will be devoted to a specific literary movement or genre. Possible topics include, but are not limited to, Multi-cultural Literature, Latino/Latina a Literature, American Literature from 1865, Women Writers, Modernism, The Victorian Novel, The Short Story, or an Introduction to Poetry. May be taken two times for credit with a different topic. (AA,CSU)

ENG 25A CREATIVE WRITING (3)

Class Hours: 3 Lecture C2

Prerequisite: ENG 51A or equivalent.

English 25A provides theory and practice in the writing of fiction, particularly in the short story and novel. Much emphasis is placed on the critiquing of student manuscripts. (AA, CSU, UC)

ENG 25B PLAYWRITING (3)

Class Hours: 3 Lecture C2

Prerequisite: ENG 51A or equivalent.

English 25B provides theory and practice in the writing of drama/playwriting for stage, screen and television. Much emphasis is placed on the critiquing of student manuscripts. (AA, CSU, UC)

ENG 25C CREATIVE WRITING: POETRY (3)

Class Hours: 3 Lecture C2

Prerequisite: ENG 51A or equivalent.

English 25C provides theory and practice in the writing of poetry, including "unique" and "traditional" rhythms and forms. Much emphasis is placed on the critiquing of student manuscripts. (AA, CSU, UC)

ENG 30/60 EXPERIMENTAL COURSE (.5-3)

Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.

All courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

ENG 49/99 DIRECTED STUDY (.5-3)

Class Hours: 54 laboratory for each semester unit. No more than 3.0 units per semester per 49/99 series.

English 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

ENG 50 RESEARCH TOOLS (.5)

Class Hours: 3 Lecture (3 weeks) CR/NC

English 50 introduces to a variety of ways to do research projects, including using the library and Internet. Students will learn how to integrate and cite sources in their own writing. This course is intended to be taken in conjunction with a course requiring a research or term paper. (AA)

ENG 51A INTRODUCTION TO COMMUNICATION SKILLS (3)

Class Hours: 3 Lecture

Prerequisite: ENG 101B or equivalent or eligibility for 51A as determined by the placement tests.

English 51A is a course designed for students who do not make a satisfactory score on an English-placement test for English 1A placement, yet who wish to satisfy basic skills requirements for a general education Associate of Arts or Associate of Science degree. This course will aid the student in developing the necessary skills and experiences needed to make him/her an effective reader, writer and speaker. Drill, grammar, punctuation, spelling, practice in the writing of sentences and composing of paragraphs, and development of reading competence will constitute the major thrust of this course, with the ultimate goal of preparing the student to write short essays. (AA)

ENG 51B INTERMEDIATE COMMUNICATIONS SKILLS (3)

Class Hours: 3 Lecture

Prerequisite: Successful Completion of ENG 51A or eligibility for ENG 51B as determined by placement tests.

English 51B is designed for students who may have completed English 51A but who need additional preparation before attempting English 1A. The course provides practice in analytical reading, in writing essays of 300-1000 words, in taking essays tests, and in using research techniques and source documentation. (AA)

ENG 70 ADAPTIVE READING (5-1)*Class Hours: 3 Laboratory CR/NC*

English 70 is designed for students with learning disabilities. The content of the class relates primarily to the fundamentals of reading and related language arts. Students work toward individualized and group instructional objectives. Reading will be taught in the context of other language and life skills. May be repeated as many times as necessary to achieve course objectives. (AA)

ENG 89 SUPPLEMENTAL & ADAPTIVE LANGUAGE SKILLS (5-1)*Class Hours: 3 Laboratory CR/NC*

English 89 is designed, primarily, for students with learning disabilities. The content of the course will relate to writing, spelling and related language arts. Students will work toward individualized and group objectives. May be repeated as many times as necessary to achieve course objectives. (AA)

ENG 101A INTRODUCTORY READING (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

English 101A is an introductory reading course which offers group and individual instruction in the development of college level reading and related skills. Students will be introduced to basic reading comprehension skills such as identifying main ideas in paragraphs, understanding paragraph organization and using context clues to understand new vocabulary through college level prose, including textbook material, fiction and expository essays. Students will also work through self-paced software to improve reading and related skills. May be taken two times for credit. (NDA)

ENG 101B ELEMENTARY READING (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC**Prerequisite: Placement determined by assessment tests or satisfactory completion of ENG 101A or equivalent.*

English 101B is an advanced reading course which offers group and individual instruction in the development of college level reading and related skills. Student will continue to build reading comprehension skills such as identifying main ideas in paragraphs and longer pieces, understanding paragraph organization and using context clues to understand new vocabulary through college level prose, including textbook material, fiction and expository essays. Students will also work through self-paced software to improve reading and related skills. May be taken two times for credit. (NDA)

ENG 105A INTRODUCTORY WRITING (3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

English 105A is an introductory computer assisted writing course designed for students who are unfamiliar with using the writing process. In this course, students will be introduced to basic writing skills such as preparing sentences, refining sentences, and word processing skills to write well developed paragraphs. Computer assisted tutorials will be used to review the rudiments of English writing, grammar, language mechanics, and standard English usage. Previous keyboarding experience is helpful. (NDA)

ENG 105B ELEMENTARY WRITING (3)*Class Hours: 2 Lecture, 3 laboratory CR/NC**Prerequisite: ENG 105A or equivalent.*

English 105B is a secondary level computer assisted writing course designed for students who are continuing to refine the writing process. In this course, students will prepare for English 51A. Students will begin to address audience, in addition to using descriptive, narrative, compare, contrast, and argumentative techniques in writing well-developed paragraphs. Students will also be introduced to the rudiments of developing a 200 word basic essay through the writing process. Computer assisted tutorials will be used to review and reinforce the rudiments of English grammar, language mechanics, and standard English usage. (NDA)

ENGLISH AS A SECOND LANGUAGE

ESL 120 CONVERSATION PRACTICE & EVERYDAY ENGLISH (1-3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

English as a Second Language 120 is for students whose native language is not English. This course includes listening and speaking practice with an emphasis on developing conversation skills for everyday situations. Students may enroll in 1 unit (6 weeks of study), 2 units (12 weeks of study), or 3 units (18 weeks of study) per semester. (NDA)

ESL 125 CONVERSATION PRACTICE: INTERMEDIATE LEVEL (1-3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC Only*

English as a Second Language 125 is for students whose native language is not English but who can already speak basic English. This course continues conversation practice with an emphasis on increasing vocabulary and fluency. Students may enroll in 1 unit (6 weeks of study), 2 units (12 weeks of study), or 3 units (18 weeks of study) per semester. (NDA)

ESL 130 READING AND WRITING: BEGINNING LEVEL
(1-3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

English as a Second Language 130 is for students whose native language is not English. This course emphasizes beginning reading, basic grammar, and sentence writing. Students may enroll in 1 unit (6 weeks of study), 2 units (12 weeks of study), 3 units (18 weeks of study) per semester. (NDA)

ESL 135 READING AND WRITING: INTERMEDIATE LEVEL
(1-3)*Class Hours: 2 Lecture, 3 Laboratory CR/NC*

English as a Second Language 135 is for students whose native language is not English but who can already read and write basic English. This course focuses on improving reading and writing skills, intermediate grammar, and vocabulary development. Student may enroll in 1 unit (6 weeks of study), 2 units (12 weeks of study), or 3 units (18 weeks of study) per semester. (NDA)

ESL 140 BEGINNING ESL COMPUTER LAB (1)*Class Hours: 3 Laboratory CR/NC*

English as a Second Language 140 is designed for beginning-level ESL students who speak little or no English. Students will use computer tutorials to practice and improve their English language skills. Students will work at their own pace but must complete at least 54 hours of study for one unit of credit. (NDA)

ESL 145 INTERMEDIATE ESL COMPUTER LAB (1)*Class Hours: 3 Laboratory CR/NC*

English as a Second Language 145 is designed for intermediate-level ESL students who speak some English but who need to review grammar and increase fluency. Students will use computer tutorials to practice and improve their English language skills. Students will work at their own pace but must complete at least 54 hours of study for one unit of credit. (NDA)

ESL 150 ADVANCED ESL COMPUTER LAB (1)*Class Hours: 3 Laboratory CR/NC*

English as a Second Language 150 is designed for advanced-level ESL students who already speak English well but who want to increase listening comprehension, conversational fluency and vocabulary. Students will use computer tutorials to practice and improve their English language skills. Students will work at their own pace but must complete at least 54 hours of study for one unit of credit. (NDA)

EQUINE SCIENCE**EQSCI 1 BEGINNING HORSEMANSHIP** (1)*Class Hours: 1 Lecture, 3 Laboratory*

Equine Science 1 will cover the basic skills of handling horses. Proper catching, grooming, saddling and riding techniques will be discussed and practiced. (AA, CSU)

EQSCI 2 INTRODUCTION TO WESTERN HORSEMANSHIP (1)*Class Hours: 1 Lecture, 3 Laboratory*

Equine Science 2 will continue to stress the basic fundamentals of beginning horsemanship. Additional topics will include health and foot care, equipment maintenance, grooming and clipping, humane restrains and trailering. Safety will be stressed, along with developing confidence as a rider. (AA, CSU)

EQSCI 3 COLT STARTING (2)*Class Hours: 6 Laboratory*

Strongly Recommended Preparation: EQSCI 1, EQSCI 2 or equivalent.

Equine Science 3 will provide the student with practical experience in introducing a horse to the training process. Techniques will include resistant-free handling and equine psychology. The main goal is to end up with a horse that is willing and eager to please its owner and ready to go into any type of advanced training. Students will be required to work their horses an additional five (5) hours per week by arrangement. (AA, CSU)

EQSCI 4 ELEMENTS OF HORSE MANAGEMENT (3)*Class Hours: 2 Lecture, 3 Laboratory*

Equine Science 4 is the study of the horse industry. Topics include early history of the horse; identifying the breeds and types of horses and their uses; anatomy of the horse; horse judging; study of conformation; unsoundness; ailments and their treatment; determination of age. (AA, CSU)

EQSCI 5 HORSESHOEING (2)*Class Hours: 1 Lecture, 3 Laboratory*

Equine Science 5 will provide the student with the fundamental understanding of horseshoeing; anatomy and physiology of the horse foot, pastern and legs. (May be taken two times for credit.) (AA, CSU)

EQSCI 7 EQUINE BREEDING AND FOAL CARE (2)*Class Hours: 2 Lecture*

Strongly Recommended Preparation: EQSCI 4, ASCI 20 or equivalent.

Equine Science 7 covers the reproductive system, breeding methods and the fetal development of horses. Other topics include quarter horses, Arabian and thoroughbred selection; inoculations; safety; common diseases; stallion management; foaling and colt care. (AA, CSU)

FOREIGN LANGUAGE SPANISH

FLSPN 1 INTRODUCTORY SPANISH (4)

Class Hours: 4 Lecture CAN SPAN 2, CAN SPAN SEQ A C2 CR/NC

Strongly Recommended Preparation: No previous Spanish in other schools; special placement with consent of instructor.

Foreign Language Spanish 1 introduces current Spanish. This first semester course stresses pronunciation, understanding, speaking, writing and reading. Emphasis is placed on basic vocabulary and essentials of grammar, along with an introduction to Hispanic culture. (Spanish 1 is not suggested for the bilingual student.) Spanish 1 and 11 cannot both be taken for credit. (AA,CSU,UC)

FLSPN 2 ELEMENTARY SPANISH (4)

Class Hours: 4 Lecture CAN SPAN 8, CAN SPAN SEQ B C2 CR/NC

Prerequisite: FLSPN 1, one year of high school Spanish, or consent of instructor.

Foreign Language Spanish 2 continues an introduction to current Spanish. This second semester course stresses pronunciation, understanding, speaking, writing and reading. Emphasis is placed on basic vocabulary and essentials of grammar, along with an introduction to Hispanic culture. (Spanish 2 is not suggested for the bilingual student.) Spanish 2 and 12 cannot both be taken for credit. (AA, CSU, UC)

FLSPN 3 INTERMEDIATE SPANISH (4)

Class Hours: 4 Lecture CAN SPAN 8, CAN SPAN SEQ B C2 CR/NC

Prerequisite: FLSPN 2, or 12; two years of high school Spanish or equivalent.

Foreign Language Spanish 3 is an intensive review of Spanish grammar interspersed with cultural, historical and literary studies. Conversation practice is included as a integral part of grammar and vocabulary studies, as well as in discussion of culture. Compositions are required. (AA,CSU,UC)

FLSPN 4 ADVANCED SPANISH (4)

Class Hours: 4 Lecture CAN SPAN 10, CAN SPAN SEQ B C2 CR/NC

Prerequisite: FLSPN 3, three years of high school Spanish.

Foreign Language Spanish 4 is an intensive review and continued development of Spanish grammar interspersed with cultural, historical and literary studies. Conversational practice is included as an integral part of grammar and vocabulary studies, as well as in discussion of culture. Compositions are required. (AA, CSU, UC)

FLSPN 11 INTRODUCTION TO SPANISH FOR THE LIMITED BILINGUAL (4)

Class Hours: 4 Lecture C2 CR/NC

Strongly Recommended Preparation: Very Limited Spanish-speaking background and no schooling in Spanish either in U.S. or any Spanish speaking country, or consent of instructor.

Foreign Language Spanish 11 is a first-year Spanish course, providing an introduction to correct Spanish for the very minimally bilingual student, with emphasis on writing, reading and grammar. Expansion of basic vocabulary and the essentials of grammar are presented along with an introduction to Hispanic culture. Spanish 1 and 11 cannot both be taken for credit. (AA,CSU,UC)

FLSPN 12 ELEMENTARY SPANISH FOR THE LIMITEDLY BILINGUAL (4)

Class Hours: 4 Lecture C2 CR/NC

Strongly Recommended Preparation: FLSPN 11; preliminary level schooling in a Spanish-speaking country (1-4 yrs.); limited Spanish-speaking background and one year of high school Spanish; consent of instructor.

Foreign Language Spanish 12 continues an introduction to correct Spanish for the very minimally bilingual student, with emphasis on writing, reading and grammar. Expansion of basic vocabulary and the essentials of grammar are presented, along with an introduction to Hispanic culture, communication and speaking. Spanish 2 and 12 cannot both be taken for credit. (AA, CSU, UC)

FLSPN 30/60 EXPERIMENTAL COURSE (.5-3)

Class Hours: 18 lecture hours or 54 laboratory hours for each semester unit.

Spanish 30/60 courses are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

FLSPN 31 SPANISH FOR BUSINESS & PUBLIC RELATIONS (3)

Class Hours: 3 Lecture CR/NC

Strongly Recommended Preparation: FLSPN 4 and ENG 51A or equivalent.

Foreign Language Spanish 31 emphasizes the use of Spanish in a business format, including different types of correspondence, explanation of Spanish business terms; an oral component to help the business person express himself/herself in different situations; and practice in putting letters and announcements into correct but easily comprehensible Spanish. (AA,CSU)

FLSPN 32 INTRODUCTION TO TRANSLATING & INTERPRETATION (3)

Class Hours: 3 lecture (3) CR/NC

Foreign Language Spanish 32 is intended for the speaker of English and Spanish with native or near native fluency. FLSPN 32 introduces the techniques of simultaneous and consecutive interpretation and translation of documents, with an emphasis on the needs of administration hearing interpreters. It addresses the differences between bilingual communication and interpretation for the legal services and emphasizes effective communication between the legal services provider and the client. (AA,CSU)

FLSPN 33 INTERMEDIATE TRANSLATING/ INTERPRETATION (3)

Class Hours: 3 Lecture CR/NC

Strongly Recommended Preparation: FLSPN 32 or equivalent.

Foreign Language Spanish 33 is intended for the speak of English and Spanish with native or near native fluency. FLSPN 33 addresses the broad outlines of the United States and California court systems, and the role of the administrative and court interpreter within it. This course continues the study of vocabulary for the legal system. Intensive practice of the techniques of simultaneous and consecutive interpretation and translation of documents is continued with the needs of both the administrative hearing and court interpreter being addressed. May be taken two times for credit. (AA,CSU)

FLSPN 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

Spanish 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA,CSU)

FLSPN 51 INTRODUCTORY CONVERSATIONAL SPANISH FOR PERSONAL/PROFESSIONAL USE (3)

Class Hours: 3 Lecture CR/NC

Strongly Recommended Preparation: ENG 51A or equivalent.

Foreign Language Spanish 51 presents the essentials of grammar with an emphasis on communication oral practice to develop skill in communication for personal or professional use. Practice is designed to focus on specific vocabulary needs according to profession or personal need. May be taken two times for credit. (AA)

FLSPN 52 ELEMENTARY CONVERSATIONAL SPANISH FOR PERSONAL/PROFESSIONAL USE (3)

Class Hours: 3 Lecture CR/NC

Prerequisite: FLSPN 51 or equivalent.

Strongly Recommended Preparation: It is also recommended that the students repeat FLSPN 51 if more than one semester has elapsed since FLSPN 51 was taken.

Foreign Language Spanish 52 builds upon FLSPN 51 and introduces further essentials of grammar with an emphasis on oral practice to develop skill in communication for personal or professional use. Practice is designed to focus on specific vocabulary needs by expanding the vocabulary of the previous course in specific areas that addresses professional or personal need. May be taken two times for credit. (AA)

FLSPN 53 INTERMEDIATE CONVERSATIONAL SPANISH FOR PERSONAL/ PROFESSIONAL USE (3)

Class Hours: 3 Lecture CR/NC

Prerequisite: FLSPN 52 or equivalent.

Strongly Recommended Preparation: It is also recommended that the student repeat FLSPN 52 if more than one semester has elapsed since FLSPN 52 was taken.

Foreign Language Spanish 53 builds upon FLSPN 51 and FLSPN 52 and introduces further essentials of grammar with an emphasis on oral practice to develop skill in communication for personal or professional use. Practice is designed to focus on specific vocabulary needs by expanding the vocabulary of the previous course in specific areas that address professional or personal need. May be taken two times for credit. (AA)

FLSPN 54 ADVANCED CONVERSATIONAL SPANISH PERSONAL PROFESSIONAL USE (3)

Class Hours: 3 lecture CR/NC

Prerequisite: FLSPN 53 or equivalent

Strongly Recommended Preparation: It is also recommended that the student repeat FLSPN 53 if more than one semester has elapsed since FLSPN 53 was taken.

Foreign Language Spanish 54 continues presentation of the essentials of grammar with an emphasis on oral practice to develop skill in communication for personal or professional use. Practice is designed to focus on specific vocabulary needs according to professional or personal need. May be taken two times for credit. (AA)

GENERAL WORK EXPERIENCE

WE 15XX GENERAL WORK EXPERIENCE (PARALLEL PLAN) (1-3)

This program is designed to aid the student in developing desirable work habits and need not be related to the college major or career intents. Students may earn up to 3 units per semester or a maximum of 6 units of total credit in general work experience for paid or voluntary work. General Work Experience is not a payable class under VA benefits.

GEOGRAPHY

GEOG 1 PHYSICAL GEOGRAPHY (4)

Class Hours: 3 Lecture, 3 Laboratory B1, B3

Strongly Recommended Preparation: ENG 51A or equivalent.

Geography 1 is a general introductory physical geography course. Focus is on the spatial relationships and interrelations of matter, energy and systems on or near the earth's surface. Class content will focus on geodesy, cartography, hydrology, geomorphology, meteorology, climatology, soil science, biogeography and their integrated patterns of world distribution. Intensive use is made of maps and field trips. (AA, CSU, UC)

GEOG 2A WORLD REGIONAL GEOGRAPHY I (3)

Class Hours: 3 Lecture D3

Strongly Recommended Preparation: ENG 51A or equivalent.

Geography 2A is a systematic examination of four major world regions. Special emphasis is given to basic geographic concepts as they apply to physical, economic and human patterns. Geography 2A covers Europe, Russia and the former Soviet Republics, North America and South America. (This course is recommended for prospective or current elementary and secondary teachers.) (AA, CSU, UC)

GEOG 2B WORLD REGIONAL GEOGRAPHY II (3)

Class Hours: 3 Lecture D5, D6

Strongly Recommended Preparation: ENG 51A or equivalent.

Geography 2B is a systematic examination of five major world regions. Special emphasis is given to the basic geographic concepts as they apply to physical, economic and human patterns. Geography 2B covers North Africa and the Middle East, Asia, sub-Saharan Africa, Middle America and the Pacific. (This course is recommended for prospective or current elementary and secondary teachers.) (AA, CSU, UC)

GEOG 3 CULTURAL GEOGRAPHY (3)

Class Hours: 3 Lecture CAN GEOG 4 C2 D3

Geography 3 is an introductory course in the study of human geography. The course focuses on the spatial elements of culture, population distribution, settlement and land use patterns, technology, economics, race, language and cultural heritage. Included is some field work in the local area. (This course is recommended for students planning to teach.) (AA, CSU, UC)

GEOG 4 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS (4)

Class Hours: 3 Lecture, 3 Laboratory

Strongly Recommended Preparation: ENG 51A or equivalent.

Geography 4 provides an in-depth introduction to the fundamentals of Geographic Information Systems (GIS). Concepts covered include history of maps, scales, coordinate systems and computer cartographic design and layouts. Applications of GIS technology used in science, business and government will be presented. This course will feature extensive hands-on experience in working with spatial data, map features and attributes and manipulation of data bases, and the presentation of data as professional quality maps using Arc View software. (AA, CSU, UC)

GEOG 10 GEOGRAPHY OF URBAN LOS ANGELES (1)

Class Hours: 2 Lecture, 46 Laboratory CR/NC

Geography 10 is a one-unit field course with a focus on the problems, promise and patterns of America's second largest urban area. The emphasis is on topics such as the economy, transportation, recreation, the arts, housing, ethnic neighborhoods and other characteristics indigenous to the region. (AA, CSU)

GEOG 11 DEATH VALLEY FIELD TRIP (1)

Class Hours: 2 Lecture, 48 Laboratory CR/NC

Strongly Recommended Preparation: Hiking skills

Geography 11 is a one-unit field course. It is estimated that the course will require the student to spend \$100.00 during the field experience. The course will focus on the geography (physical and human), geological features and history of the Trans-Sierra region, specifically the Mojave Desert and Death Valley. (AA, CSU)

GEOG 12 GRAND CANYON FIELD TRIP (1)

Class Hours: 2 Lecture, 46 Laboratory CR/NC

Strongly Recommended Preparation: Hiking skills

Geography 12 is a one-unit field course. It is estimated that the course will require the student to spend \$125.00 during the field experience. The course will focus on the geography (physical and human), geological features and history of the Colorado Plateau Region, specifically Zion and Grand Canyon National Parks. (AA, CSU)

GEOG 13 SAN FRANCISCO URBAN GEOGRAPHY FIELD COURSE (1)

Class Hours: 2 Lecture, 46 Laboratory CR/NC

Geography 13 is a one-unit field course with a focus on the problems and patterns of the San Francisco Bay area. The emphasis is on topics such as the economy, transportation, recreation, the arts, housing, ethnic neighborhoods and other characteristics indigenous to the region. (AA,CSU)

GEOG 18 GEOGRAPHY OF CALIFORNIA (3)

Class Hours: 3 Lecture D3

Strongly Recommended Preparation: ENG 51A or Equivalent.

Geography 18, through lectures and field trips, provides an opportunity to study the physical and cultural regions of California and their relationships. Emphasis is on the geographic factors that will broaden a student's knowledge of the California environment. (This course should be of particular interest and value to prospective or current elementary and secondary teachers.) (AA, CSU, UC)

GEOG 30/60 EXPERIMENTAL COURSE (1-3)

Class Hours: 18 lecture or 54 laboratory hours for each semester unit.

Geography 30/60 is designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

GEOG 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

Geography 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA,CSU)

GEOG 51 MODERN GEOGRAPHY (3)

Class Hours: 3 Lecture

Geography 51 is a general education social science course which uses the geographic approach or perspective to study a group of contemporary problems (energy, planning, population, hunger, international relations, etc). The issues begin at the local scale and proceed towards a global perspective. The topics are designed to give the students as many "hands on" activities as possible and to emphasize basic skills of writing, reading, library skills, map reading and mathematics. This approach stresses geography concepts through a wide variety of classroom activities and exercises, including a number of field trips. (AA)

GEOG 59 GEOGRAPHY FIELD EXPERIENCE (.5)

Class Hours: 1 Lecture, 23 Laboratory or 2 Lecture, 46 Laboratory CR/NC

Geography 59 is a short-term course designed primarily for the non-traditional student, and is built around a series of one-day field trips. Examples: Yosemite, Sequoia National Park, the Delta, etc. (This course may be taken for a maximum of one unit for degree credit.) (AA)

GEOLOGY

GEOL 1 PHYSICAL GEOLOGY (4)

Class Hours: 3 Lecture, 3 Laboratory

Strongly Recommended Preparation: High School chemistry or CHEM 2A.

Geology 1 is an introduction to the physical and chemical forces active on the earth, including a survey of minerals, rocks, vulcanism, geomorphology, and structural geology. Also covered are the agents of weathering, erosion, earthquakes, the earth's interior, glaciation, oceans, rock mobility, metamorphism, sedimentation and the formation of economic mineral deposits. (AA,CSU,UC)

GEOL 3 HISTORICAL GEOLOGY (4)

Class Hours: 3 Lecture, 3 Laboratory CR/NC B1

Strongly Recommended Preparation: GEOL 1 or PHYSICI 1.

Geology 3 is the study of the origin and history of the earth, the formation of the continents and oceans and the changes they have experienced, the history and distribution of rock formations and mountains, fossils as aids to the dating of rocks, geological time, and the development of living things. Field trips are required. (AA,CSU,UC)

GEOL 10 GEOLOGY FIELD COURSE GENERAL (1)

Class Hours: 2 Lecture, 46 Laboratory (1)

Geology 10 is one in a series of week-long field trips to areas of geological interest, including but not limited to Death Valley, Grand Canyon and Yosemite National Park. Emphasis is on the geologic aspects of the natural earth around us and how an understanding of geologic principles is obtained. May be taken three times for credit. (AA,CSU)

GEOL 11 DEATH VALLEY FIELD COURSE (1)

Class Hours: 2 Lecture, 46 Laboratory CR/NC

Geology 11 is a week-long field course with emphasis upon the unique geologic setting of the Mojave Desert and Death Valley. (AA,CSU)

GEOL 12 GRAND CANYON FIELD TRIP (1)*Class Hours: 2 Lecture, 46 Laboratory CR/NC*

Geology 12 is a week-long field course to the Colorado Plateau and specifically to the Grand Canyon. Emphasis is upon the geologic setting of strata ranging from the Precambrian Era to the present. (AA)

GEOL 20 CONTEMPORARY TOPICS IN GEOLOGY (2)*Class Hours: 1 Lecture, 3 Laboratory CR/NC*

Geology 20 is a discussion of topics in the field of geology which are of general interest. Subjects to be covered may include: seismology (earthquakes), plates of the earth's crust, identification of common minerals, and geology of the planets in the solar system. Other topics may be covered according to student demand. (AA,CSU,UC)

GEOL 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

Geology 30/60 courses are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC. (AA,CSU)

GEOL 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory no more than 2 units per semester per 49/99 series.*

Geology 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

GUIDANCE STUDIES

GS 61 CONTENT AREA SUPPORT (.5-1)*Class Hours: 3 Laboratory CR/NC*

Guidance Studies 61 is intended primarily for students with learning or other disabilities. The aim of this course is to assist students in mastering skills for success in their academic and vocational classes. Students will practice and apply GS 61 course content to their assignments from their academic or vocational classes. (AA)

HEALTH EDUCATION

HE 35 PERSONAL HEALTH AND HYGIENE (3)*Class Hours: 3 Lecture E1 CR/NC*

Health Education 35 is a contemporary course which will promote desirable health attitudes and practices. Topics considered will include: mental health and emotional health, stress, nutrition, fitness, sexuality, communicable diseases, cancer, drug and alcohol abuse, death and dying and tobacco use. (AA, CSU, UC)

HEALTH SCIENCE

HS 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7 units, including work-experience) and work part-time (up to 20 hours per week).

HS 15XY COOPERATIVE WORK EXPERIENCE (ALTERNATE) (1-8)

This plan allows the student to attend college full-time one semester and work full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

HEAVY EQUIPMENT

HVYEQUI 50 HEAVY EQUIPMENT OPERATION (8.5)*Class Hours: 82 Lecture for 4.5, 215 Laboratory for 4.0*

Heavy Equipment 50 includes instruction in heavy equipment operator safety, types of equipment; basic surveying (engineering skills), including laser equipment, basic welding; employee-employer relationships and job placement skills. Operation and maintenance of equipment will include dozers, backhoes, scrapers, dump truck, loaders and motorgraders. (AA)

HISTORY

HIST 17A HISTORY OF THE U.S. 1492-1877 (3)

Class Hours: 3 lecture CAN HIST 18, CAN HIST SEQ B D1

Prerequisite: ENG 51A or equivalent.

History 17A covers the social, political, economic and physical development of the United States of America from the discovery by Columbus to the end of the Reconstruction. This course satisfies, in part, the American history and institution requirements for CSU. (AA, CSU, UC)

HIST 17B HISTORY OF THE U.S. 1865-PRESENT (3)

Class Hours: 3 Lecture CAN HIST 10, CA HIST SEQ B D1

Prerequisite: ENG 51A or equivalent.

History 17B covers the social, political, economic and physical development of the United States of America from the end of the Civil War to the present time. This course satisfies, in part, the American history and institutions requirement for CSU. (AA, CSU, UC)

HIST 18 HISTORY OF CALIFORNIA (3)

Class Hours: 3 Lecture (3) D2, D5, D6

Strongly Recommended Preparation: ENG 51A or equivalent.

History 18 is a survey of the discovery, exploration and settlement of California through the Spanish, Mexican and American periods to the present. (AA, CSU, UC)

HIST 30/60 EXPERIMENTAL COURSE (.5-3)

Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.

History courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC. (AA, CSU)

HIST 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

History 49/99 classes are designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

HIST 4A WESTERN EUROPE TO 1700 (3)

Class Hours: 3 Lecture CAN HIST 2 C2, D3

Strongly Recommended Preparation: ENG 51A or equivalent.

History 4A is the study of European history to 1700, emphasizing Western Europe and its contribution to the American settlement. (AA, CSU, UC)

HIST 4B WESTERN EUROPE FROM 1700 (3)

Class Hours: 3 Lecture C2, D3

Strongly Recommended Preparation: ENG 51A or equivalent.

History 4B is the study of European history from 1700 to the present. (AA, CSU, UC)

HOTEL, RESTAURANT, CASINO MANAGEMENT

HRCM 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL) (1-4)

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7 units, including work-experience) and work part-time (up to 20 hours per week).

HRCM 15XY OCCUPATIONAL WORK EXPERIENCE (ALTERNATE) (1-8)

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

HRCM 1 INTRODUCTION TO HOSPITALITY (3)

Class Hours: 3 Lecture CR/NC

Strongly Recommended Preparation ENG 101B and Math 101 or equivalent.

Hotel, Restaurant and Casino Management 1 is a fundamental overview of the hotel, restaurant, tourism and casino segments of the hospitality industry. This course provides an overview of the operational sectors of the hospitality industry with an emphasis on organizational structures, departments, job classifications and career paths. Lecture and discussion are enhanced by industry guest speakers and industry visits. (AA, CSU)

HRCM 3 HOSPITALITY MARKETING (3)*Class Hours: 3 Lecture CR/NC*

Hotel, Restaurant and Casino Management 3 examines the essential skills required to effectively develop and implement a marketing plan to meet the needs and philosophy of the hospitality industry. This course will focus on the role of marketing in strategic planning, marketing environment, market segmentation, targeting and positioning, internal/external marketing, product development, promotions and professional sales. (AA, CSU)

HRCM 4 SUPERVISION AND LEADERSHIP IN HOSPITALITY (3)*Class Hours: 3 Lecture CR/NC*

Hotel, Restaurant and Casino Management 4 examines the roles and responsibilities of managers in the hospitality industry. This course will focus on developing communication strategies, motivational techniques, performance evaluation and review, staffing, training, and strategic planning. (AA, CSU)

HUMANITIES

HUM 1 INTRODUCTION TO WESTERN CULTURE (3)*Class Hours: 3 Lecture C2**Strongly Recommended Preparation: ENG 1A or equivalent.*

Humanities 1 is a survey course dealing with the development of religion, art, literature, drama, music, architecture, philosophy, and "cultural achievements" of the western tradition, with special emphasis upon their historical context. (AA, CSU, UC)

HUM 22 INTRODUCTION TO COMPARATIVE RELIGION (3)*Class Hours: 3 Lecture C2**Strongly Recommended Preparation: ENG 1A or equivalent.*

Humanities 22 is a historical and comparative survey of the development of religious ideas out of mankind's origins. Special emphasis is given to primitive and ancient beliefs, Hinduism, Buddhism, Judaism, Christianity and Islam. (AA, CSU, UC) (This course will occasionally meet at off campus locations and the student will be responsible for arranging his/her own transportation to those locations.)

HUM 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

Humanities courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC. (AA, CSU)

HUM 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 laboratory for each semester unit. No more than 2 units per semester per 49 series.*

HUM 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

INDUSTRIAL TECHNOLOGY

IT 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 laboratory hours for each semester unit.*

Industrial Technology 30/60 is designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide curriculum variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC. (AA, CSU)

IT 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

Industrial Technology 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

IT 50 SAFETY AND HAZARDOUS MATERIALS (1)*Class Hours: 2 lecture (9 weeks)*

Industrial Technology 50 is a study of safety aspects of vocational classes, vocational jobs, and general safety in the shop and at home. Hazardous materials safety and handling are also included in the course. The course is designed to cover a large variety of safety concerns, but is not designed to be a substitute for operators manuals or training on specific equipment or machines. (AA)

INTERDISCIPLINARY STUDIES

IS 1 COLLEGE SUCCESS (2)*Class Hours: 2 Lecture*

Interdisciplinary Studies 1 is designed to assist students to obtain skills and knowledge necessary to reach their educational objectives. Topics to be covered include orientation to college, motivation, memory development, study skills and techniques, question-asking skills, introduction to career life planning, skills for dealing with personal issues that face many college students, including self-esteem and an introduction to computer literacy. (AA, CSU)

IS 2 CAREER PLANNING (1)

Class Hours: 2 Lecture (9 weeks) CR/NC

Strongly Recommended Preparation on ENG 101B or equivalent.
Interdisciplinary Studies 2 is an examination of the career development process including self-assessment, career exploration and decision-making. During this course, students will identify their interests, values, skills and personality type as they relate to career life planning. Extensive use of internet resources will be required. (AA, CSU)

IS 7 STUDENT LEADERSHIP DEVELOPMENT (2)

Class Hours: 1 Lecture, 3 Laboratory CR/NC

Interdisciplinary Studies 7 is a course designed for the development of leadership skills. Students will serve as officers on the Associated Student Body Council, student clubs, cheer squad or as representatives on campus-wide committees. Emphasis will be placed on participation in governing and organizational operations of specific college groups. Students will learn effective planning, personal and professional leadership skills, organizational structure and conducting meetings using parliamentary procedure. May be taken four times for credit. (AA, CSU)

IS 50 ORIENTATION FOR INTERNATIONAL STUDENTS (1)

Class Hours: 1 Lecture CR/NC Only

Interdisciplinary Studies 50 is designed to acquaint the international student with community college and university requirements, college and community services, and strategies for the student's success. (AA)

JOURNALISM

JOURN 21 BASIC PHOTOGRAPHY (4)

Class Hours: 3 Lecture, 3 Laboratory CR/NC

Journalism 21 provides study in the basic techniques of the theory and application of photography. Topics include camera description and use, picture taking, film processing, and printmaking. The class is designed for black and white photography only. Some basic techniques of photographic composition are studied. (AA,CSU,UC)

JOURN 22 ADVANCED PHOTOGRAPHY (3)

Class Hours: 2 Lecture, 3 Laboratory CR/NC

Prerequisite: JOURN 21

Journalism 22 studies the skills of the photographic field as applied in the various professional levels. Photographic composition and lighting control are examined in detail. The processing of color film and prints is discussed. (AA,CSU)

JOURN 30/60 EXPERIMENTAL COURSE (.5-3)

Class Hours: 18 Lecture or 54 Laboratory hours for each semester unit.

Journalism courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC. (AA)

JOURN 40 INTRODUCTION TO MASS COMMUNICATION (3)

Class Hours: 3 Lecture D7 CR/NC

Journalism 40 is designed to provide the student with an overview of each of the mass media, print, broadcast and film, their characteristics, functions, structure and support, and the related institutions, such as advertising and public relations. Students will be taught to appreciate the value of free and responsible mass media with reference to their evolution. The class will acquaint the student with the nature of contemporary American journalism by introducing him/her to the scope of present-day journalism and to the dominant theories of communication and the influences of the media in today's complex society. (AA,CSU,UC)

JOURN 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

All courses numbered 49/99 are designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

MATHEMATICS

MATH 1A INTRODUCTION TO CALCULUS (5)

Class Hours: 5 Lecture CAN MATH 18, CAN MATH SEQ B B4
Prerequisite: MATH 15 or equivalent.

Mathematics 1A covers the intuitive treatment and formal definitions, evaluation, computation and application of limits, continuity, derivatives, and basic integrals. (AA, CSU, UC)

MATH 1B CALCULUS WITH APPLICATION (5)

Class Hours: 5 Lecture CAN MATH 20, CAN MATH SEQ B B4
Prerequisite: MATH 1A or equivalent.

Mathematics 1B is concerned with finding derivatives of inverse functions, L'Hopital's Rule, techniques of integration, volumes of solids of revolution, lengths of curves, work, hydrostatic forces, areas in polar coordinates, convergence and divergence of series and the Taylor Series. (AA, CSU, UC)

MATH 2A MULTIVARIATE CALCULUS (4)

Class Hours: 4 lecture CAN MATH 22, CAN MATH SEQ C B4
Prerequisite: MATH 1B or equivalent.

Mathematics 2A is concerned with three-dimensional vectors, lines and planes, vector-valued functions, partial derivatives, multiple integrals and calculus of vector fields. (AA,CSU,UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the catalog.)

MATH 2B DIFFERENTIAL EQUATIONS (4)

Class Hours: 4 Lecture CAN MATH 24, CAN MATH SEQ C B4
Prerequisite: MATH 2A or equivalent.

Mathematics 2B is the study of first-order linear differential equations and their applications in science and engineering, linear differential equations of higher order applications of second-order differential equations to vibrational models, differential equations with variable coefficients, LaPlace transformations and systems of linear differential equations. (AA,CSU,UC) (Please note: This course is offered infrequently. Check the two-year schedule in the catalog.)

MATH 10A STRUCTURE & CONCEPTS IN MATH I (3)

Class Hours: 3 Lecture
Prerequisite: Math 63 or equivalent.

Mathematics 10A is designed for prospective elementary school teachers. The course covers the development of real numbers including integers, rational and irrational numbers, computation, prime numbers and factorizations, and problem solving strategies. This class does not satisfy G.E. math requirements for non Liberal Studies majors at CSUF. (AA, CSU)

MATH 15 PRECALCULUS (5)

Class Hours: 5 Lecture CAN MATH 16 B4
Prerequisite: MATH 63 or equivalent.

Mathematics 15 is an intensive course covering those topics traditionally found in the separate courses of trigonometry and college algebra. This course will include in-depth analysis and application of linear, quadratic, polynomial, rational, exponential, logarithmic, trigonometric functions and their graphs, systems of equations, and analytic geometry. (AA, CSU, UC)

MATH 25 INTRODUCTION TO STATISTICS (3)

Class Hours: 3 Lecture CAN STAT 2 B4
Strongly Recommended Preparation: MATH 63 or equivalent.

Mathematics 25 is an introduction to the study of modern statistics. The topics cover frequency distributions, measure of location, measure of variation, permutations, combinations, probability, mathematical expectation, continuous and discrete probability distributions sampling and sampling distributions, inferences about means, standard deviations, proportions and regression. (AA,CSU, UC)

MATH 30/60 EXPERIMENTAL COURSE (.5-3)

Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.

All courses numbered 30/60 are designed to permit department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These course may be taken for CR/NC.

MATH 45 CONTEMPORARY MATH (3)

Class Hours: 3 Lecture B4
Prerequisite: Math 63 or equivalent.

Mathematics 45 is a college level liberal arts mathematics course surveying a collection of topics including Management Science, Social Choice, Statistics and Growth and Symmetry. (Satisfies CSU Fresno Gen. Ed. CORE, Quantative Reasoning). (AA,CSU,UC)

MATH 49/99 DIRECTED STUDY (2)

Class Hours: 54 Laboratory hours for each semester unit.

Mathematics courses numbered 49/99 are designed for students who wish to undertake special projects related to mathematics. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA,CSU)

MATH 61 ELEMENTARY ALGEBRA (5)

Class Hours: 5 Lecture CR/NC
Prerequisite: MATH 101 or equivalent.

Mathematics 61 is the first course in a two semester sequential elementary and intermediate algebra program. Topics for elementary algebra include arithmetic review, solving linear equations and inequalities in one-variable, graphing linear equations and inequalities in two-variables, solving linear systems. (AA)

MATH 63 INTERMEDIATE ALGEBRA (5)

Class Hours: 5 Lecture CR/NC
Prerequisite: Math 61 or equivalent.

Mathematics 63 is the second course in a two semester sequential elementary and intermediate algebra program. Topics for intermediate algebra include factoring, solving quadratic, rational and radical equations, inequalities, integer and rational exponents, graphing conics, functions, scientific notation, and applications. (AA)

MATH 64 ELEMENTARY AND INTERMEDIATE ALGEBRA (5)

Class Hours: 5 Lecture CR/NC

Strongly Recommended Preparation: MATH 61 or equivalent.

Mathematics 64 is the intensive coverage of elementary and intermediate algebra in one semester. This course is designed for students who have had one year of high school algebra or equivalent and have a facility for learning math. This course will satisfy the intermediate algebra requirement for any transfer level math course. (AA)

MATH 75 ADAPTIVE MATHEMATICS (.5)

Class Hours: 3 Laboratory

Mathematics 75 is designed primarily for students with learning disabilities. It covers the fundamentals of mathematics including whole numbers and the operations, addition, subtraction multiplication and division. Mathematical concepts will be taught in the context of life skills development. May be taken as many times as needed to meet objectives. (AA)

MATH 87 MATHEMATICS FOR LIFE (3)

Class Hours: 3 Lecture

Mathematics 87 consists of a quick review of common fractions, decimals and percents; consumer applications, basic operations of algebra; simple equations; formula manipulation; and basic facts and formulas from geometry. (Students who have received credit for Math 61 will not be granted units for this course). (AA)

MATH 101 BASIC COLLEGE MATHEMATICS (.5-5)

Class Hours: 5 Lecture CR/NC

Mathematics 101 is a comprehensive course providing review of basic computational math skills and their applications. The topics for basic mathematics include whole numbers, fractions, decimals, ratios, proportions, percents, consumer application, statistics, U.S. measurement, metric measurement, rational numbers, pre-algebra, and geometry. (NDA)

MUSIC

MUS 1A BEGINNING CLASS PIANO (1)

Class Hours: 3 Laboratory CR/NC

Music 1A is functional piano for the adult beginner. The course includes keyboard orientation, music reading, keys, scales, chord structures, improvisation and the development of technical skills. (AA, CSU, UC)

MUS 1B ELEMENTARY CLASS PIANO (1)

Class Hours: 3 Laboratory CR/NC

Prerequisite: MUS 1A or equivalent.

Music 1B is functional piano for the adult beginner. The course includes keyboard orientation, music reading, keys, scales, chord structures, improvisation and the development of technical skills. Emphasis is on further development of skills learned in Music 1A, including appropriate literature as assigned. (AA, CSU, UC)

MUS 2A INTERMEDIATE CLASS PIANO (1)

Class Hours: 3 Laboratory CR/NC

Strongly Recommended Preparation: MUS 1B or equivalent.

Music 2A is a continuation of basic keyboard skills with greater emphasis on individual performance, technique, musicianship and keyboard repertory. (AA, CSU, UC)

MUS 2B DEVELOPING CLASS PIANO (1)

Class Hours: 3 Laboratory CR/NC

Prerequisite: MUS 2A

Music 2B is a continuation of basic keyboard skills with greater emphasis on individual performance, technique, musicianship and keyboard repertory. Playing techniques requiring expanded use of full piano keyboard will be explored. (AA, CSU, UC)

MUS 17A BEGINNING GUITAR (1)

Class Hours: 3 Laboratory CR/NC

Music 17A is class study of beginning guitar. The acoustic folk and classical-style guitar will be studied. (Students interested in electrical guitar can readily make the transfer after acquiring the basics in the course.) The class is designed for beginners who wish to learn to play simple folk song accompaniments and learn the rudiments of the classical guitar technique. Included in the course will be folk singing and playing, correct posture and technique, music and guitar notation, chords, strums and arpeggios, apoyando and tirando strokes, scales, etudes and guitar pieces. (AA,CSU,UC)

MUS 17B ELEMENTARY GUITAR (1)

Class Hours: 3 Laboratory CR/NC

Prerequisite: MUS 17A or teacher evaluation.

Music 17B is the elementary level of guitar instruction covering folk and classical style. For advanced technique, more complex chords, strokes, and etudes will be studied. Guitar related harmony for chord construction will also be taught. Famous compositions of the master guitar composers will be studied at the elementary level. (AA,CSU,UC)

MUS 17C INTERMEDIATE GUITAR (1)*Class Hours: 3 Laboratory CR/NC**Prerequisite: MUS 17B or teacher evaluation.*

Music 17C is the elementary level of guitar instruction covering folk and classical style. For advanced technique, more complex chords, strokes, and etudes will be studied. Guitar related harmony for chord construction will also be taught. Famous compositions of the master guitar composers will be studied at the intermediate level. (AA,CSU,UC)

MUS 17D ADVANCED GUITAR (1)*Class Hours: 3 Laboratory CR/NC**Prerequisite: MUS 17C or teacher evaluation.*

Music 17D is the advanced guitar class, covering folk and classical style. For advanced technique, more complex chords, strokes and etudes will be studied. Guitar related harmony for chord construction will also be taught. Famous compositions of the master guitar composers will be studied at the advanced level. (AA,CSU,UC)

MUS 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 lecture hours or 54 laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

MUS 42 MUSIC APPRECIATION (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation: ENG 51A or equivalent.*

Music 42 is designed to develop a student's aesthetic sensitivity for music of various cultures. It will cover western and non-western music history from major periods. (AA, CSU, UC)

MUS 49/99 DIRECTED STUDY (1-2)*Class Hours: 54-108 Laboratory hours for each semester unit. No more than 2 units per semester per 49/99 series.*

Music 49/99 is designed for students who wish to undertake special projects related to music. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

MUS 52 INTRODUCTION TO MUSIC (3)*Class Hours: 3 Lecture CR/NC**Strongly Recommended Preparation of ENG 51A or equivalent.*

Music 52 is designed to develop a student's aesthetic sensitivity for music of various cultures. It will cover western and non-western music history from major periods. (AA)

NON-CREDIT**NC 100 SUPERVISED TUTORING (0)***Class Hours: 90 (max) Laboratory by arrangement*

Non-Credit 100 is a non-credit course which provides tutoring assistance to increase the probability of a student's successfully completing his or her educational objectives. Hours will vary depending upon individual student needs. Tutoring will be done in a Learning Resource Center. (NDA)

NC 140 COMMUNITY LIVING SKILLS (0)*Class Hours: 30 Laboratory*

Non-Credit 140 is assigned to provide mildly and moderately disabled adults opportunities to develop personal, vocational, social, behavioral and community integrated activities for the purpose of achieving a more normalized lifestyle in the home, work and community environments. (NDA)

NC 141 PRODUCTION OCCUPATION WORKSKILLS(0)*Class Hours: 30 Laboratory*

Non-Credit 141 provides paid work opportunities to individuals with a variety of disabilities. The program is intended for those individuals who lack competitive job skills at the time of placement due to disability but who are capable both vocationally and socially of performing work with work crews and enclaves. These crews receive job coaching and follow along support. Pay is based on individual productivity. (NDA)

NC 142 SERVICE OCCUPATIONAL WORKSKILLS (0)*Class Hours: 30 Laboratory*

Non-Credit 142 provides job skill development, extended employment, off-site employment, living skills and support services to individuals who, at referral, are too severely disabled to work in a competitive job situation. Services will assist in maximizing vocational development and independent living through remunerative work opportunities. Pay is based on individual productivity. (NDA)

NC 154 PARENTING (0)*Class Hours: 3 Lecture*

Non-Credit 154 is a non-transfer course which presents a background for understanding parent-child relationships in the changing social environment; explores various methods of child rearing; and gives help and practical ideas to parents and those who deal with young people. (NDA)

NC 157 FITNESS FOR LIFE (0)*Class Hours: 3 Laboratory*

Non-Credit 157 is a course in mild exercise designed essentially for middle and older adults who, for one reason or another, have not maintained a satisfactory level of physical activity. (NDA)

NC 160 GENERAL EDUCATION DEVELOPMENT (0)*Class Hours: 3 Lecture*

Non-Credit 160 is a course to prepare students who have not graduated from high school for the General Education Development test, which is the equivalent of a high school diploma. (NDA)

NC 171 VESL/TRUCK DRIVING (0)*Class Hours: 2 Laboratory**Prerequisite: Concurrent enrollment in DT 90*

Non-Credit 171 is designed to assist limited-English speaking Truck Driving students in the translation of necessary truck driving vocabulary. The course includes preparation for the walk-around inspection portion of the DMV tests which must be taken in English. (NDA)

NUTRITION

NUT 1 BASIC NUTRITION (3)*Class Hours: 3 Lecture CAN HEC 2 E1*

Nutrition 1 stresses the basic dietary needs for physical fitness and incorporated body function and nutrient function. The course may be used as an elective for students majoring in physical education, recreation, science or home economics. In addition, the course may be of interest to anyone seeking general information about nutrition. (AA, CSU, UC)

ORNAMENTAL HORTICULTURE

OH 70 ORNAMENTAL TREE PRODUCTION (3)*Class Hours: 2 Lecture, 3 Laboratory*

Ornamental Horticulture 70 provides instruction in the production of plants used in landscapes of California. The course will cover propagation, transplantation, care, maintenance, and marketing of these plants. (AA)

PERFORMING ARTS

PA 1 INTRODUCTION TO THEATRE (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Performing Arts 1 is a survey of major dramatic forms and works for theatre. Areas to be covered include the purpose of theatre, major historical literary periods and their relationships to the socio-economic and political issues of their times, a behind-the-scenes look at play production, multi-cultural contributions to Western theatre, and contemporary trends. Lectures will be combined with play reading and viewing of video taped scenes. (AA, CSU, UC)

PA 3 FILM APPRECIATION (3)*Class Hours: 3 Lecture CR/NC C1*

Performing Arts 3 looks at the cinema as a 20th century art form. Students will view historically and artistically significant films in class and learn how to critique them. Students will also develop an understanding of both the artistic and technical aspects of film as well as the business and politics of the film industry. (AA, CSU, UC)

PA 6 TOURING THEATRE (3)*Class Hours: 9 Laboratory**Strongly Recommended Preparation: PA 14 or equivalent.**Note: (162) hours by arrangement for 3.0 units.*

Performing Arts 6 provides experience in touring thematic educational productions for elementary, high school, and public performance. Students will gain experience in mounting a traveling production and making dramatic educational presentations in a variety of settings. Students will assist in developing scripts, acting, dancing, singing and fulfill crew assignments. (AA, CSU)

PA 14 FUNDAMENTALS OF ACTING (3)*Class Hours: 3 Lecture*

Performing Arts 14 is designed to introduce the novice actor to the theatre. With emphasis on personal and artistic growth in a supportive environment, the students will learn proper methods of warming up and basic vocal, physical, emotional and psychological characterizations. The student will develop confidence on stage by performing in short scenes and by learning techniques of auditioning, including monologues, prepared scripts and cold reading. The course will also include theatre games and a backstage tour of the West Hills College Theatre facility. May be taken four times for credit. (AA, CSU, UC)

PA 21 PLAY PRODUCTION (1-3)

Note: This is a variable unit course. (54) hours by arrangement for 1.0 unit. (108) hours by arrangement for 2.0 units. (162) hours by arrangement for 3.0 units.

Performing Arts 21 is the rehearsal and presentation of a serious dramatic play before a public audience. Students will specialize in either acting or technical theatre, working with the director and designers to create production/performance team. May be taken four times for credit for a maximum of 12 units. (AA, CSU, UC)

PA 22 THEATRE WORKSHOP (4)

Class Hours: 6 Lecture, 18 Laboratory (6 weeks)

Performing Arts 22 is the presentation of a full length production before a public audience. Students will learn work readiness skills integrated as a part of the intense disciplined rehearsal process of a dramatic production. Students will specialize in either acting, technical theatre, design, costumes or public relations while working with the director and designers to create a production/performance team. This course is only offered during the summer. May be taken two times for credit for a minimum of 8 units. (AA,CSU)

PA 23 CHICANO THEATRE (3)

Class Hours: 2 Lecture, 3 Laboratory

Performing Arts 23 is a form of theatre which expresses the culture and identity of the Chicano through development of self expression. This course will give the student a basic introduction to the working ideology and methodology of El Teatro Campesino. PA 23 will introduce the student to some acting techniques and Chicano/Latino dramatic works. The course will also illustrate the present reality of the Chicano way of life throughout the stage production. May be taken two times for credit. (AA, CSU)

PA 25 THEATER DANCE (1)

Class Hours: .5 Lecture, 1.5 Laboratory

Performing Arts 25 provides instruction in basic modern, jazz and folkloric dance techniques for the performing arts. (This course satisfies, in part, the Associate Degree Physical Activity Requirement, Area E, Local District Requirement). May be taken four times for credit. (AA,CSU)

PA 30/60 EXPERIMENTAL COURSE (.5-3)

Class Hours: 18 lecture hours or 54 laboratory hours for each semester unit.

All courses numbered 30/60 are designed to permit department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These course may be taken CR/NC.

PA 32 STAGE/TELEVISION LIGHTING AND SOUND (3)

Class Hours: 2 Lecture, 3 laboratory

Strongly Recommended Preparation: ENG 51A or equivalent.

Performing Arts 32 combines the theory, techniques and procedures necessary to develop and integrate sound and lighting to prepare plays and video productions for major public performance and/or viewing. The sound portion of the class includes sound, music, and effects in theatre production, including hearing, acoustics, environment, sources, transducers, control systems, equipment, organization and planning, and laboratory experience. The lighting portion of the class includes instrument control, color, electromechanical factors and simplified design and planning, including lighting as art, design concepts, lighting plots, projections, sequential cue relationships and lab applications. May be taken four times for credit. (AA, CSU, UC)

PA 35 THEATRE CRAFTS (3)

Class Hours: 2 Lecture, 3 Laboratory

Performing Arts 35 introduces students to scene construction, materials and hardware. Students will learn painting techniques, stage lighting techniques and will gain experience in preparing plays for performance. (AA,CSU,UC)

PA 42A TELEVISION PRODUCTION CAMERA OPERATION (4)

Class Hours: 3 Lecture, 3 Laboratory CR/NC

Strongly Recommended Preparation: ENG 51A or equivalent.

Performing Arts 42A is an introduction to camera operation for television production. It will combine lecture, studio experience at locations such as TV production sites, distance learning sites and independent work. Must be taken once for the certificate program. (AA, CSU)

PA 42B TELEVISION PRODUCTION EDITING (4)

Prerequisite: PA 42A or equivalent.

Performing Arts 42B is an introduction to television production editing. It will combine lecture, studio experience at locations such as TV production sites, distance learning sites and independent work. Must be taken once for the certificate program. (AA, CSU)

PA 42C TELEVISION PRODUCTION PROJECT (4)

Class Hours: 3 Lecture, 3 Laboratory

Prerequisite: PA 42B or equivalent.

Performing Arts 42C combines lecture, studio experience at locations such as television production sites, distance learning sites, and independent work. Students will be required to work on a specific video project for use a portfolio video tape which reflects their efforts of a creative class project program. (AA, CSU)

PA 44 TELEVISION WORKSHOP (4)

Class Hours: 6 Lecture, 18 Laboratory (6 weeks)

Performing Arts 44 is designed to provide meaningful work experience for students producing and promoting a television series. The course is designed to provide “hands on” experience in all aspects of television production. Participants will be trained in and involved with writing, directing, producing, acting, singing, dancing, audio/lighting technology, videography, music scoring, advertising, art, production business, and public relations techniques. Students will rotate responsibilities to gain a variety of experiences related to the production process. The finished product will be a television series designed to air on broadcast television. May be taken two times for credit. (AA,CSU)

PA 49/99 DIRECTED STUDY (1-2)

Class Hours: 3 Laboratory

All courses numbered 49/99 are designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledge, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

PHILOSOPHY

PHIL 1 INTRODUCTION TO PHILOSOPHY (3)

Class Hours: 3 Lecture CAN PHIL 2 C2

Strongly Recommended Preparation: ENG 51A or equivalent.

Philosophy 1 is a study of the principles underlying ethics, social philosophy, art, religion, epistemology, metaphysics and science. (AA, CSU, UC)

PHIL 2 INTRODUCTION TO LOGIC (3)

Class Hours: 3 Lecture CAN PHIL 6 A3, C2

Strongly Recommended Preparation: ENG 51A or equivalent.

Philosophy 2 is the study of critical thinking, to include inductive and deductive forms of reasoning and informal logic relevant to evaluating arguments presented in everyday contexts. (AA, CSU, UC)

PHIL 3 ETHICS (3)

Class Hours: 3 Lecture CAN PHIL 4 C2

Strongly Recommended Preparation: ENG 51A or equivalent.

Philosophy 3 is a study of classical and contemporary ethics to aid students in clarifying their values in response to ethical concerns. (AA, CSU, UC)

PHYSICAL EDUCATION ACTIVITY COURSES

PE 1 SWIMMING (1)

Class Hours: .5 Lecture, 1.5 Laboratory CR/NC

Physical Education 1 is designed to give instruction and practice in fundamental swimming skills, including basic strokes and survival swimming. May be taken two times for credit. (AA, CSU, UC)

PE 1C WATER SAFETY INSTRUCTOR (2)

Class Hours: 1 Lecture, 3 Laboratory CR/NC

Physical Education 1C is designed to teach students how to analyze swimming strokes and techniques, with emphasis on teaching methods; review life saving skills; and to provide teaching experience for instruction in public schools and other settings. Upon successful completion of this course, students are eligible to take the exam for Water Safety Instructor certification. (AA,CSU,UC)

PE 2 ARCHERY (1)

Class Hours: .5 Lecture, 1.5 Laboratory CR/NC

Physical Education 2 is designed to provide students with an opportunity to develop the basic skills of the sport of archery. May be taken two times for credit. (AA, CSU, UC)

PE 3 BADMINTON (.5-1)

Class Hours: .5 Lecture, 1.5 Laboratory CR/NC

Physical Education 3 is designed to provide students an opportunity to learn basic skills and knowledge of badminton. May be taken two times for credit. (AA,CSU,UC)

PE 4 FUNDAMENTALS OF SOFTBALL (1)

Class Hours: 1 Lecture, 2 Laboratory

Physical Education 4 is designed to provide instruction and practice in the fundamentals of softball including hitting, pitching, defensive skills, knowledge and interpretation of rules. This course may be taken three times for credit. (AA, CSU)

PE 6 BODY CONDITIONING (.5-1)

Class Hours: 6 Laboratory (9 weeks)

Physical Education 6 will expose the students to stretching, jump rope, lifting, running and various other skills while working toward optimum physical conditioning. May be taken four times for credit. (AA, CSU, UC)

PE 7 AEROBICS (.5-1)*Class Hours: 3 Laboratory CR/NC*

Physical Education 7 is a low-impact fitness program characterized by continuous movement to music. Participation should effect dramatic improvement (as measured by pre and post testing) in cardiovascular fitness, strength, endurance and flexibility for the previously unfit individual. The class will include informal lectures on principles of exercise, diet and nutrition, stress and relaxation. Light hand or wrist weights, rubber bands, etc. may be incorporated into class. May be taken four times for credit. (AA, CSU, UC)

PE 8 INTERMEDIATE AEROBIC INTERVAL TRAINING (.5-1)*Class Hours: 3 Laboratory CR/NC*

Physical Education 8 is designed to expose intermediate aerobic students to conditioning activities such as resistance stations, light hand held weights, bands, steps, floor work and much more. Students will learn correct form and alignment, improve cardiovascular strength and increase flexibility and muscle strength. Students will experience changes in body composition, cardiovascular endurance and muscle strength while aiding in the prevention of injury and osteoporosis. May be taken four times for credit. (AA, CSU, UC)

PE 9 AQUA AEROBICS (.5-1)*Class Hours: 3 Laboratory CR/NC*

Strongly Recommended Preparation: The ability to swim or water stride for 10 minutes or more without stopping.

Physical Education 9 is a fitness program that provides an opportunity for improvement of cardiovascular fitness, flexibility and strength. May be taken four times for credit. (AA, CSU, UC)

PE 11 GOLF (.5-1)*Class Hours: .5 Lecture, 1.5 Laboratory CR/NC*

Physical Education 11 is designed to provide instruction and practice in the fundamentals of golf, including the swing, use of clubs, strategy and etiquette. May be taken three times for credit. (AA, CSU, UC)

PE 12 COMPETITIVE SWIMMING (.5-1)*Class Hours: 3 Laboratory CR/NC*

Strongly Recommended Preparation: Ability to swim the competitive swimming strokes and swim long distances.

Physical Education 12 is designed to emphasize breathing, body position, arm pull and kick in the four competitive swimming strokes. May be taken four times for credit. (AA, CSU, UC)

PE 13 WALLEYBALL (1)*Class Hours: 3 Laboratory CR/NC*

Physical Education 13 is designed to educate students in the game of Walleyball. This sport is played on a racquetball court using a spongy ball. Walleyball is a co-educational game with benefits in physical conditioning, endurance and cardiovascular fitness. May be taken four times for credit. (AA, CSU, UC)

PE 16 JOGGING AND POWER WALKING (.5-1)*Class Hours: 3 Laboratory CR/NC*

Physical Education 16 involves planning, instruction and participation in a progressive program of jogging and power walking as applied to enjoyment, health and fitness. May be taken three times for credit. (AA, CSU, UC)

PE 17 RACQUETBALL (.5-1)*Class Hours: .5 Lecture, 1.5 Laboratory CR/NC*

Physical Education 17 is designed to emphasize and develop racquetball skills and knowledge. May be taken three times for credit. (AA, CSU, UC)

PE 18 BOWLING (.5)*Class Hours: 3 Laboratory (9 weeks) CR/NC*

Physical Education 18 will provide instruction in the rules, techniques and strategies of bowling. Students will be required to pay bowling fees. May be taken four times for credit. (AA, CSU, UC)

PE 19 ADAPTIVE PHYSICAL EDUCATION (.5-1)*Class Hours: 3 Laboratory CR/NC*

Prerequisite: Student must have a verifiable disability.

Physical Education 19 is designed for assessment of student's fitness and ability levels. With this assessment individualized exercise program is designed to meet the student's fitness needs. The fitness components to be emphasized will include an increase in muscular strength and endurance, flexibility and cardiovascular endurance. May be taken four times for credit. (AA, CSU, UC)

PE 20 TENNIS (1)*Class Hours: .5 Lecture, 1.5 Laboratory CR/NC*

Physical Education 20 is designed to provide instruction and practice in the fundamentals of tennis, including strokes, rules, and court etiquette. The course also includes instruction in basic strokes and skills necessary for the student to participate in recreational tennis. May be taken three times for credit. (AA, CSU, UC)

PE 21 FITNESS LABORATORY (.5-1)

Class Hours: 3 Laboratory CR/NC

Physical Education 21 is designed to emphasize proper techniques of stretching and warm-up prior to lifting and proper use of all lifting stations. May be taken four times for credit. (AA, CSU, UC)

PE 22 POWER VOLLEYBALL (.5-1)

Class Hours: .5 Lecture, 1.5 Laboratory CR/NC

Physical Education 22 is designed to provide instruction and practice in the basic skills necessary for participation in power volleyball. The course will develop skills and knowledge of the game, with the emphasis on the set, forearm pass, serve, spike, individual block, W serve-receive formation and team defense. May be taken three times for credit. (AA, CSU, UC)

PE 23 WEIGHT TRAINING (.5-1)

Class Hours: 3 Laboratory CR/NC

Physical Education 23 is designed for physical conditioning, with emphasis on power, strength, endurance and cardiovascular fitness. May be taken four times for credit. (AA, CSU, UC)

PE 24 CIRCUIT TRAINING (1)

Class Hours: 3 Laboratory CR/NC

Physical Education 24 is an activity class involving a series of weight training stations. The weight trainer performs an exercise and rapidly moves to the next station with little or no rest. (AA, CSU, UC)

PE 25A INTRODUCTORY SOCCER (.5-1)

Class Hours: .5 Lecture, 1.5 Laboratory CR/NC

Physical Education 25A is designed to teach basic running, throwing and passing skills and provide for team competition. (AA,CSU,UC)

PE 25B INTERMEDIATE SOCCER (.5-1)

Class Hours: .5 Lecture, 1.5 Laboratory (.5-1) CR/NC

Physical Education 25B is designed to teach intermediate skills, strategy and team play. (AA,CSU,UC)

PE 51 FITNESS FOR YOUTH (.5-1)

Class Hours: 3 laboratory CR/NC

Physical Education 51 is designed to expose students to various competitive physical education activities including swimming, soccer, basketball, volleyball, etc. Students will be taught teamwork, athletic skills, endurance and how to interact with teammates and opponents in a competitive environment. May be taken four times for credit. (AA)

PE 52 FLEXIBILITY LAB (.5-1)

Class Hours: 3 Laboratory CR/NC

Physical Education 52 is designed to teach students the Active-Isolated Muscle Stretching program. Students will learn that a flexible body is more efficient, enjoys more range of motion, stays balanced, is less prone to injury, and recovers from workouts quickly. Students will evaluate their own fitness level based on the Active-Isolated Stretching method. May be taken four times for credit. (AA)

PHYSICAL EDUCATION NON-ACTIVITY COURSES

Lecture courses do not meet the physical education activity requirement

PE 27 FUNDAMENTALS OF FOOTBALL (1.5)

Class Hours: 2 Lecture, 4 Laboratory (9 weeks)

Physical Education 27 is designed to provide instruction and practice in the fundamentals of football including throwing, catching, running, blocking and the interpretation of the rules of football. (AA, CSU, UC)

PE 32 FUNDAMENTALS OF BASKETBALL (1)

Class Hours: 1 Lecture, 3 laboratory (9 weeks)

Physical Education 32 is designed to provide instruction and practice in the fundamentals of basketball including dribbling, passing, shooting and rules, etc. The course also includes instruction on how to improve skills necessary for students to participate in recreational basketball. May be taken four times for credit. (AA, CSU, UC)

PE 34 THEORY OF FOOTBALL (1)

Class Hours: 2 Lecture

Physical Education 34 provides theory and analysis of the basic principles involved in football strategy. Fundamental techniques of offense and defense are stressed as the teaching base. (AA,CSU,UC)

PE 38 THEORY OF BASEBALL (1)

Class Hours: 2 Lecture

Physical Education 38 is designed for the student who wishes to learn the fundamental skills of baseball. It will enable the student to communicate the proper fundamentals involved with throwing, fielding, pitching and batting. (AA,CSU,UC)

PE 40 INTRODUCTION TO PHYSICAL EDUCATION (3)*Class Hours: 3 Lecture*

Physical Education 40 is designed to introduce the student to the study of personal, social, and professional aspects of modern physical education. Focus is on history, trends, opportunities and problems associated with the profession. (AA, CSU, UC)

PE 41 STANDARD FIRST AID (.5)*Class Hours: 9 Lecture CR/NC**Prerequisite: Sound health, ability to perform breathing and arm compression.*

Physical Education 41 will teach the student standard first aid skills and CPR. The course will prepare participants to respond correctly in emergencies. Upon successful completion, the student will receive a certificate in CPR and Standard First Aid. (AA,CSU,UC)

PE 43 FUNDAMENTALS OF BASEBALL (1)*Class Hours: 6 Laboratory CR/NC*

Physical Education 43 is designed to provide instruction and practice in the fundamentals of baseball including hitting, pitching, defensive skills, knowledge and interpretation of rules. May be taken two times for credit. (AA,CSU)

PE 44A THEORY OF BASKETBALL (1)*Class Hours: 2 Lecture (9 weeks)*

Physical Education 44A is designed to give students a background in all aspects of coaching basketball. The course will cover rules, theory, fundamentals, defenses and offenses. (AA,CSU,UC)

PE 45A THEORY OF SOFTBALL (1)*Class Hours: 2 lecture (9 weeks)*

Physical Education 45A is designed to present a study of fundamental theories and techniques of the game of fast pitch softball. Preparation for coaching various age levels of athletes and rules of the game will be covered. (AA, CSU, UC)

PE 45B THEORY OF VOLLEYBALL (1)*Class Hours: 2 Lecture*

Physical Education 45B is designed to present a study of the fundamental theories and techniques of the game of volleyball. (AA,CSU,UC)

PE 46 CARE AND PREVENTION OF ATHLETIC INJURIES (2)*Class Hours: 2 Lecture*

Physical Education 46 will address the immediate and temporary care and prevention of athletic injuries. The course will involve first aid, injury recognition and evaluation, taping, wrapping and rehabilitation. (AA, CSU, UC)

PE 48 COMMUNITY FIRST AID AND SAFETY (1)*Class Hours: 18 Lecture (total) CR/NC Material Fee: \$7.50*

Physical Education 48 will prepare the student to recognize emergencies and make appropriate decisions regarding care. Each section teaches the necessary skills the citizen responder will need to act as the first link in the emergency medical services (EMS) system chain. Students who complete the course will receive American Red Cross Certificates in Adult, Child and Infant CPR as well as First Aid and Disease Transmission (OSHA). May be taken four times for credit. Material Fee. \$10.00 for certificates. (AA, CSU, UC)

PE 55 TREATMENT & REHABILITATION OF ATHLETIC INJURIES (3)*Class Hours: 2 Lecture, 3 Laboratory*

Physical Education 55 provides hands-on experience in the treatment and rehabilitation of athletic injuries. This course includes injury treatment phases of tissue healing and stages of rehabilitation including therapeutic modalities. (AA)

PE 57 CLINICAL EXPERIENCE IN SPORTS MEDICINE (3)*Class Hours: 2 Lecture, 3 Laboratory*

Physical Education 57 provides hands-on experience in which the student or coach will be able to handle certain medical emergencies. Students will learn how to identify and assess an injury that may occur during an athletic event or practice. (AA)

PE 30/60 EXPERIMENTAL COURSES (1-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

Physical Education courses numbered 30/60 are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

PE 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

All courses numbered 49/99 are designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

INTERCOLLEGIATE SPORTS

Participation in intercollegiate athletics does not meet the physical education activity requirement.

PE 28A INTRODUCTION TO INTERCOLLEGIATE SOFTBALL (2)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician.

Physical Education 28A is designed to provide an introduction to competition in softball at the community college level. (AA, CSU, UC)

PE 28B INTERMEDIATE INTERCOLLEGIATE SOFTBALL (2)

Class Hours: 10 Laboratory

Prerequisite: PE 28A or equivalent. Medical approval from a licensed physician.

Physical Education 28B is designed to provide for competition in softball at the community college level for students with previous playing experience. (AA, CSU, UC)

PE 29A INTRODUCTORY INTERCOLLEGIATE VOLLEYBALL (2)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician.

Physical Education 29A is designed to provide competition in volleyball at the community college level. This course is for the first participation at this level. Intercollegiate volleyball will develop intermediate and advanced techniques and knowledge with an emphasis on the individual as well as team skills involved in the game. (AA, CSU, UC)

PE 29B INTERMEDIATE INTERCOLLEGIATE VOLLEYBALL (2)

Class Hours: 10 Laboratory

Prerequisite: PE 29A; Medical approval from a licensed physician.

Physical Education 29B is designed to provide competition in volleyball at the community college level. This course is for the second and final participation at this level. Intercollegiate volleyball will develop advanced techniques and knowledge with an emphasis on the highly technical skills involved in multiple offenses and defenses. (AA, CSU, UC)

PE 31 INTERCOLLEGIATE BASKETBALL (1)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician.

Physical Education 31 is designed to provide competition in basketball at the community college level. May be taken four times for credit. (AA, CSU, UC)

PE 33 INTERCOLLEGIATE FOOTBALL (2)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician.

Physical Education 33 provides the opportunity for students to further their football skills and utilize them in a competitive sport, competing with other colleges. May be taken two times for credit. (AA, CSU, UC)

PE 35 WOMEN'S INTERCOLLEGIATE SOCCER (2)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician

Physical Education 35 provides competition in women's soccer at the community college level. Intercollegiate soccer will emphasize and develop individual and team skills through the use of intermediate and advanced techniques and knowledge. May be taken two times for credit. (AA, CSU, UC)

PE 36 MEN'S INTERCOLLEGIATE SOCCER (2)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician.

Physical Education 36 provides competition in men's soccer at the community college level. Intercollegiate soccer will emphasize and develop individual and team skills through the use of intermediate and advanced techniques and knowledge. May be taken two times for credit. (AA, CSU, UC)

PE 37 INTERCOLLEGIATE BASEBALL (2)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician.

Physical Education 37 provides competition in baseball at the community college level. Intercollegiate baseball will emphasize and develop individual and team skills through the use of intermediate and advanced techniques and knowledge. May be taken two times for credit. (AA, CSU, UC)

PE 39 WOMEN'S INTERCOLLEGIATE SWIMMING/ DIVING (2)

Class Hours: 10 Laboratory

Prerequisite: Medical approval from a licensed physician.

Physical Education 39 provides competition in women's swimming or diving at the community college level. Intercollegiate swimming/diving will emphasize and develop individual and team skills through instruction, training and competition. May be taken two times for credit. (AA, CSU, UC)

PE 42 WOMEN'S INTERCOLLEGIATE TENNIS (2)*Class Hours: 10 Laboratory**Prerequisite: Medical approval from a licensed physician.*

Physical Education 42 provides competition in women's tennis at the community college level. Intercollegiate tennis will emphasize and develop individual and team skills through instruction, training and competition. May be taken two times for credit. (AA, CSU, UC)

PE 59A INTRODUCTION TO INTERCOLLEGIATE SPORTS MANAGER (2)*Class Hours: 6 Laboratory*

Physical Education 59A is designed to provide introductory training in handling athletic equipment, training, techniques and preparing for athletic team practice and contests. (AA)

PE 59B ELEMENTARY INTERCOLLEGIATE SPORTS MANAGER (2)*Class Hours: 6 Laboratory**Prerequisite: PE 59A*

Physical Education 59B is designed to provide continued training in handling athletic equipment, training techniques, and preparing for athletic team practice and contests. This course is for students with limited experience in being a sports manager. (AA)

PE 59C INTERMEDIATE INTERCOLLEGIATE SPORTS MANAGER (2)*Prerequisite: PE 59B*

Physical Education 59C is designed to provide additional experience in handling athletic equipment, training techniques, and preparing for athletic team practice and contests. (AA)

PE 59D ADVANCED INTERCOLLEGIATE SPORTS MANAGER (2)*Prerequisite: PE 59C*

Physical Education 59D is designed to provide advanced experience in handling athletic equipment, training techniques, and preparing for athletic team practice and contests. This course is for students with extensive experience as sports managers. (AA)

PHYSICAL SCIENCE

PHYSICI 1 SURVEY OF THE PHYSICAL SCIENCES (4)*Class Hours: 3 Lecture, 3 Laboratory B1, B3*

Physical Science 1 is a general study of physical principles that operate throughout the universe, including a brief integrated study of force, motion, energy, electricity, light, structure of the atom, interaction of matter, and study of the earth, planets, and stars. No credit will be allowed for physical science if the student is concurrently enrolled in, or has taken, a college chemistry, physics, geology or astronomy course. (AA, CSU, UC)

PHYSICI 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

All courses numbered 49 are designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

PHYSICS

PHYSICS 2A MECHANICS AND THERMODYNAMICS (4)*Class Hours: 3 Lecture, 3 Laboratory CAN PHYS 2, CAN PHYS SEQ A B1, B3**Prerequisite: MATH 63*

Physics 2A is the study of vectors, particle kinematics and dynamics, work, energy, simple harmonic motion, rotational kinematics and dynamics, the kinetic theory of gases, the first and second laws of thermodynamics and gravitation. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog.)

PHYSICS 2B ELECTRICITY, MAGNETISM, OPTICS & MODERN PHYSICS (4)*Class Hours: 3 Lecture, 3 Laboratory CAN PHYS 4, CAN PHYS SEQ A**Prerequisite: PHYSICS 2A*

Physics 2B is the study of electricity; magnetism; electromagnetism; electric circuits; wave phenomena; geometrical and physical optics; special relativity; and a survey of atomic, nuclear, and particle physics. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog.) Physics 4A, 4B is a sequence of calculus-based physics courses designed for students who intend to major in any one of the physical sciences, in any branch of engineering, or in mathematics.

PHYSICS 4A CLASSICAL MECHANICS (4)*Class Hours: 3 Lecture, 3 Laboratory CAN PHYS 8 B1, B3**Corequisite: MATH 1B*

Physics 4A is the study of vector algebra, particle kinematics, Newton's laws, conservation of linear momentum, the work-(kinetic) energy theorem, potential energy, conservation of total mechanical energy, mechanics of many-particle systems, rotational kinematics and dynamics, conservation of angular momentum, oscillatory phenomena and gravitation. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog.)

PHYSICS 4B ELECTRICITY, MAGNETISM & WAVES (4)

Class Hours: 3 Lecture, 3 Laboratory

Prerequisite: PHYSICS 4A,

Corequisite: MATH A

Physics 4B is the study of electric charge and Coulomb's law, the electric field and Gauss's law, electric potential, capacitance and dielectrics, DC circuit analysis and network theorems, the Lorentz force law, Ampere's law and the Biot-Savart law, Faraday's law, inductance, AC circuit analysis, magnetic properties of matter, propagation of waves in elastic media, standing waves and interference, and electromagnetic waves. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog.)

PHYSICS 4C THERMODYNAMICS, OPTICS AND MODERN PHYSICS (4)

Prerequisite: PHYSICS 4A Corequisite: MATH 2A

Physics 4C is the study of temperature and the zeroth law of thermodynamics; the kinetic theory of gases; heat and the first law of thermodynamics; entropy and the second law of thermodynamics; geometrical optics; interference; diffraction and polarization of light; spatial relativity; failures of classical physics; an introduction to quantum physics; and a survey of atomic, nuclear, and particle physics. (AA, CSU, UC) (Please Note: This course is offered infrequently. Check the two-year schedule in the back of the catalog.)

POLITICAL SCIENCE

POLSCI 1 AMERICAN GOVERNMENT (3)

Class Hours: 3 Lecture CAN GOVT 2 D8

Strongly Recommended Preparation: ENG 51A or equivalent.

Political Science 1 is an introductory study of American government at the national, state and local level. Included are the institutions, processes and policies of the United States and of California. This course satisfies, in part, the American history and institutions requirements for CSU. (AA, CSU, UC)

POLSCI 2 COMPARATIVE GOVERNMENT (3)

Class Hours: 3 Lecture D3

Prerequisite: ENG 51A or equivalent

Political Science 2 is the study of the government and politics of Great Britain, France, Germany, and the former Soviet Union, compared with each other and with that of the United States, with emphasis on contemporary problems. (AA, CSU, UC)

POLSCI 30/60 EXPERIMENTAL COURSE (.5-3)

Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.

Political Science 30/60 courses are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC. (AA, CSU)

POLSCI 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 Laboratory for each semester unit.

Political Science 49/99 courses are designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

POLSCI 51 AMERICAN INSTITUTIONS (3)

Class Hours: 3 Lecture

Political Science 51 is the study of the role of the citizen in political action at local, state and national levels of government. Stress is given to the influence of this role in American history. The course is not open to those with credit in Political Science 1. (AA)

PSYCHIATRIC TECHNICIAN

PSYTEC 10 INTRODUCTION TO PSYCHIATRIC TECHNICIAN (1)

Class Hours: 9 Lecture

Prerequisite: Admission to the Psychiatric Technician Program

Strongly Recommended Preparation: ENG 101B and Math 101 or equivalent.

Psychiatric Technician 10 is an introductory psychiatric technician course presenting concepts necessary to practice safely and legally in a forensic mental institution. Strategies and information to succeed in the psychiatric technician program will be presented. (AA, CSU)

PSYTEC 12 NURSING SCIENCE (18.5)

Class Hours: 14.5 Lecture, 20.5 Laboratory

Psychiatric Technician 12 will present the principles of mental health and physical health, the maintenance of health, anatomy and physiology, and an understanding of disease and its treatment. Students will develop the ability to perform basic care activities, provides learning experiences in the care of children, adults, and aged patients with medical/surgical conditions. (AA, CSU)

PSYTEC 14 PSYCHIATRIC NURSING (18.5)*Class Hours: 14.5 Lecture, 20.5 Laboratory**Prerequisite: PSYTEC 12 or equivalent.*

Psychiatric Technician will introduce psychological and mental profession. The causes, prevention, and treatment of mental, emotional and behavioral disorders will be examined by providing practice in interpersonal skills, self-understanding, problem solving, communication, and the use of rehabilitative methods in providing patient care. (AA, CSU)

PSYTEC 16 CARE OF DEVELOPMENTALLY DISABLED (17)*Class Hours: 12.5 Lecture, 20 Laboratory**Prerequisite: PSYTEC 12 or equivalent.*

Psychiatric Technician 16 will examine the care of the developmentally disabled by providing learning experiences in community facilities and continued practice in individual and group work. (AA, CSU)

PSYCHOLOGY

PSYCH 1 GENERAL PSYCHOLOGY (3)*Class Hours: 3 Lecture CAN PSY 2, D3, E**Prerequisite: ENG 51A or equivalent.*

Psychology 1 is an introductory course in psychology emphasizing psychological perspectives and methodology. The following topics are covered: psychological theories, scientific methodology, biological bases of behavior, life-span development, learning, memory, intelligence, motivation, personality, psychological disorders, therapy and social psychology. (AA, CSU, UC)

PSYCH 2 ABNORMAL PSYCHOLOGY (3)*Class Hours: 3 Lecture D3, E**Prerequisite: ENG 51A or equivalent.*

Psychology 2 explores abnormal behavior and psychological disorders and introduces the student to clinical psychology, psychotherapy and other methods of treatment for psychological disorders. (AA, CSU, UC)

PSYCH 3 DEVELOPMENTAL PSYCHOLOGY (3)*Class Hours: 3 Lecture D3, E**Prerequisite: ENG 51A or equivalent.*

Psychology 3 is a study of the stages and processes of human development over the life span, beginning at conception and leading to old age. Emphasis is placed upon pertinent research and practical applications. Historical and cultural factors that influence basic assumptions, methodology, theories and concepts are examined to provide students with a more critical perspective from which to evaluate contemporary human development. (AA, CSU, UC)

PSYCH 4 PERSONAL PSYCHOLOGY (3)*Class Hours: 3 Lecture E**Prerequisite: ENG 51A or equivalent.*

Psychology 4 is a general course in the principles of mental hygiene. It involves the analysis of personal behavior and attitudes in adjustment at home, at work, and in social relationships. (AA, CSU)

PSYCH 5 BIOLOGICAL PSYCHOLOGY (3)*Class Hours: 3 Lecture D3**Prerequisite: ENG 51A or equivalent.*

Psychology 5 is the study of behavior and experience in terms of genetics, evolution and physiology of the nervous system. Physiological, genetic, evolutionary and functional explanations of behavior will be explored. (AA, CSU, UC)

PSYCH 8 LAW AND PSYCHOLOGY (3)*Class Hours: 3 Lecture**Strongly Recommended Preparation: ENG 51A or equivalent.*

Psychology 8 focuses on the interaction and application of law and psychology with respect to criminal behavior. This course will focus on the legal and psychological considerations in the identification, prosecution, incarceration and treatment philosophies available to the criminal justice or social service professional. This course may be used as an elective for either Psychology or Administration of Justice but not for both. (AA, CSU)

PSYCH 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 Lecture hours or 54 Laboratory hours for each semester unit.*

Psychology 30/60 courses are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative and to provide variety and flexibility in curriculum. A required course description identifies each course subject.

PSYCH 49 /99 DIRECTED STUDY (1-2)*Class Hours: 54 laboratory hours for each unit. No more than 2 units per semester per 49/99 series.*

Psychology 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study.

SOCIAL SCIENCE

SOCSCI 30/60 EXPERIMENTAL COURSE (5-3)

Class Hours: 18 lecture or 54 laboratory hours for each semester unit.
All courses numbered 30/60 are designed to permit department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These course may taken for CR/NC.

SOCSCI 32A CULTURAL HISTORY OF THE CHICANO (3)

Class Hours: 3 Lecture D3

Social Science 32A is a cultural history of the Chicano with primary focus on the conquest of the Southwest. The course considers the historical development of the Chicano as a major sub-culture in the United States and strongly emphasizes current cultural and historical events. (AA, CSU, UC)

SOCSCI 32B CULTURAL HISTORY OF BLACK AMERICANS (3)

Class Hours: 3 Lecture D3

Social Science 32B is a survey course which covers the period from the pre-colonial, including the African slave trade, to the present. The Black American's status in American society is analyzed. (AA, CSU, UC)

SOCSCI 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

SOCSCI 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently in at least one course in the department of directed study. (AA, CSU)

SOCIOLOGY

SOC 1 INTRODUCTION TO SOCIOLOGY (3)

Class Hours: 3 Lecture CAN SOC 2, D0

Strongly Recommended Preparation: ENG 51A or equivalent.

Sociology 1 is an introduction to the theoretical perspectives of sociology and their application to the fundamental problems of social life. It includes discussion of sociological methods and findings in such areas as family, race relations, religion, and deviance. (AA, CSU, UC)

SOC 2 CRITICAL THINKING AND SOCIAL PROBLEMS (3)

Class Hours: 3 Lecture CAN SOC 4, A3, D3

Prerequisite: ENG 51A or equivalent.

Sociology 2 is a survey of major social problems experienced by society, with an exploration of the most important perspectives used to explain the problems. The application of critical thinking skills, specifically taught in the course to causes and solutions is designed to result in heightened critical thinking ability as well as strengthened social awareness. (AA, CSU, UC)

SOC 3 MARRIAGE AND FAMILY (3)

Class Hours: 3 Lecture CR/NC D3, D4

Strongly Recommended Preparation: ENG 51A or equivalent.

Sociology 3 will explore marital and family dynamics within the context of the family theories. Topics include love, mate selection, sexuality, communication patterns, parenthood, and dissolution. Students will learn how paired relationships work in contemporary mass society, why they succeed, and why they sometimes fail. (AA, CSU, US)

SOC 30/60 EXPERIMENTAL COURSE (5-3)

Class Hours: 18 lecture or 54 laboratory hours for each semester unit.

All courses numbered 30/60 are designed to permit department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may taken for CR/NC.

SOC 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

Sociology 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently in at least one course in the department of directed study. (AA, CSU)

SOIL SCIENCE

SLSCI 21 SOILS (4)

Class Hours: 3 Lecture, 3 Laboratory

Soil Science 21 will provide instruction in the physical, chemical, and biological properties of soils as related to agriculture. It will concern itself with the origin, formation, and composition of California soils and the fundamental principles and practices of fertilizer use. (AA, CSU, UC)

SLSCI 22 FERTILIZER AND SOIL FERTILITY (2)*Class Hours: 2 Lecture**Strongly Recommended Preparation: SLSCI 21 desirable and CHEM 2A preferred.*

Soil Science 22 provides instruction in plant nutrient needs and gives guidelines in fertilizer kinds, amounts, and application. Computational skills are utilized to determine needs and methods of distribution. (AA, CSU)

SPEECH

SP 1 ELEMENTS OF SPEECH (3)*Class Hours: 3 Lecture CAN SPCH 4, A1**Strongly Recommended Preparation: ENG 51A or equivalent.*

Speech 1 provides instruction in the fundamental processes of oral communication. This course is designed to improve the student's ability to function in any speaking situation. Emphasis is on the basic concepts of speaking as a transfer of understood messages, particularly as a communication between a single speaker and an audience. Students are involved in the critical thinking process of preparing and delivering extemporaneous speeches and in the development of active listening skills. (AA, CSU, UC)

SP 3 ARGUMENTATION/ADVANCED PERSUASION (3)*Class Hours: 3 Lecture A3**Strongly Recommended Preparation: SP 1 competency.*

Speech 3 provides instruction in the development of reasoning skills and practice in formal and informal argumentation/persuasion. While course content includes an analysis of standard debate techniques (traditional, cross-examination and Lincoln-Douglas) requiring two matched sides for and against a proposition, Speech 3 emphasizes the argumentative mode of persuasion that enables an individual to reach decisions based on good reasoning and evidence. (AA, CSU, UC)

SP 4 DYNAMICS OF GROUP DISCUSSION (3)*Class Hours: 3 Lecture A1**Strongly Recommended Preparation: ENG 51A or equivalent.*

Speech 4 provides instruction in the dynamics of small group communication. Students will explore their own communication skills and weaknesses through the application of critical thinking and analysis. Students will learn a variety of problem solving and leadership techniques, including how to conduct meetings and discussions, as well as how to effectively and persuasively present information within small groups and as a small group to a larger audience. (AA, CSU, UC)

SP 5 INTERPERSONAL COMMUNICATION (3)*Class Hours: 3 Lecture E1*

Speech 5 is designed to provide theoretical skills in basic communication settings: one-to-one, one-to-many, and speaker-to-audience. Students will engage in interpersonal exercises to use communication skills such as listening, paraphrasing, describing, feeling, decision-making, perception checking, and verbal and non-verbal communication. (AA, CSU)

SP 30/60 EXPERIMENTAL COURSE (.5-3)*Class Hours: 18 lecture hours or 54 laboratory hours for each semester unit.*

All courses numbered 30/60 are designed to permit department to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative, and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These courses may be taken for CR/NC.

SP 49/99 DIRECTED STUDY (1-2)*Class Hours: 54 Laboratory for each semester unit. No more than 2 units per semester per 49/99 series.*

Speech 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA, CSU)

SP 51 APPLIED ORAL COMMUNICATIONS (3)*Class Hours: 3 Lecture*

Speech 51 provides instruction in theory and practice of oral communication in interpersonal, public, and professional situations. The course is a comprehensive approach to the practical speaking and listening skills necessary to one-to-one, one-to-many, group process, simple negotiation, conflict resolution, and problem solving communication. (AA)

WELDING TECHNOLOGY

WT 15X OCCUPATIONAL WORK EXPERIENCE (PARALLEL)**(1-4)**

This program is designed to extend occupational work opportunities through work, paid or voluntary, in the occupation of the student's major. Students may earn up to 4 units per semester or a maximum of 16 units of total credit. The student must enroll in classes (at least 7 units, including work-experience) and work part-time (up to 20 hours per week).

**WT 15XY OCCUPATIONAL WORK EXPERIENCE
(ALTERNATE) (1-8)**

This plan allows the student to attend college full-time one semester and work full-time the next semester. A student may take 8 units of work experience but may only be enrolled in one other course. A student must complete 12 units of credit the semester before enrolling in the alternate plan. This plan is only available for occupational work experience.

WT 30/60 EXPERIMENTAL COURSE (5-3)

Class Hours: 18 lecture hours or 54 laboratory hours for each semester unit.

Welding Technology 30/60 courses are designed to permit departments to meet an immediate student or community need, to explore newer methods in teaching a subject, to offer courses which are innovative and to provide variety and flexibility in curriculum. A required course description identifies each course subject. These course may be taken for CR/NC.

WT 40 INTRODUCTION TO WELDING (2)

Class Hours: 1 Lecture, 3 Laboratory

Welding Technology 40 consists of practical and theoretical instruction in oxy-acetylene welding, stick electrode welding, torch cutting, brazing, and hardfacing. (AA, CSU)

WT 41 INTERMEDIATE WELDING (2)

Class Hours: 1 Lecture, 3 Laboratory

Prerequisite: WT 40 or equivalent.

Welding Technology 41 provides instruction in advanced stick electrode and oxy-acetylene welding along with pipe-fitting and welding techniques, advanced oxy-acetylene cutting, and fixed position welding. (AA, CSU)

WT 49/99 DIRECTED STUDY (1-2)

Class Hours: 54 laboratory for each semester unit. No more than 2 units per semester per 49/99 series.

WT 49/99 is designed for students who wish to undertake special projects related to a particular field. Students, under instructor guidance and acknowledgement, may pursue individual exploration after completing or while currently enrolled in at least one course in the department of directed study. (AA,CSU)

WT 56 BLUEPRINT READING (2)

Class Hours: 1 Lecture, 3 Laboratory

Prerequisite: Mechanical drawing desirable.

Welding Technology 56 provides instruction in the reading of technical drawings and American Welding Society weld symbols. Sketching for communication and pipe joint pattern drawing are also taught. (AA)

WT 67 WELDING PROJECTS (2)

Class Hours: 1 Lecture, 3 Laboratory

Strongly Recommended Preparation: WT 40, WT 44 or equivalent.

Welding Technology 67 is designed for the second semester welding student who might desire to use his/her newly developed skills in the construction of a small welding project. The class will cover planning, cost of materials, correct welding design and construction. May be taken four times for credit. (AA)

TWO YEAR SCHEDULE

To assist students in planning their course of study, West Hills College has developed a course schedule to be offered during the next two years (four semesters, not including summer). West Hills College reserves the right to add or delete classes. Courses may be canceled as a result of staff reductions, low enrollment, or state legislation and/or financial consideration. All classes are offered subject to sufficient enrollment to justify them economically. In those cases in which classes must be canceled for lack of enrollment, every attempt will be made to reschedule students to meet their needs.

On pages 128 through 140 a schedule of class offerings for Fall 2002 through Spring 2004 are listed by discipline and location.

Courses marked with + or ++ indicate that at least one section of the course is guaranteed regardless of enrollment. This guarantee enables students to complete their general education requirements in two years at the Coalinga Campus or at the Lemoore Campus (three years if attending the Coalinga Campus only at night.)



(F = Fall, Sp = Spring course offering)

Course	COALINGA 02-03 03-04		LEMOORE 02-03 03-04		NASL 02-03 03-04		NDC 02-03 03-04		ONLINE 02-03 03-04	
ADMINISTRATION OF JUSTICE										
AJO 1	Sp	Sp	F	F	F	-	Sp	-	F,Sp	F,Sp
AJO 3	F	F	Sp	Sp	-	-	F	-	F	F
AJO 4	F	F	Sp	Sp	-	-	F	-	-	F
AJO 5	F	F	-	Sp	-	-	-	-	Sp	Sp
AJO 6	Sp	Sp	F	F	-	-	-	Sp	-	Sp
AJO 7	Sp	Sp	F	F	-	-	-	Sp	Sp	Sp
AJO 8	-	-	-	F	-	-	-	-	-	-
AJO 10	F	F	F,Sp	Sp	Sp	-	Sp	-	F	F
AJO 12	Sp	Sp	Sp	F,Sp	-	F	-	-	F,Sp	F,Sp
AJO 16	F	F	Sp	Sp	Sp	-	-	F	Sp	Sp
AJO 20	F	F	Sp	Sp	Sp	-	-	-	F	F
AJO 22	Sp	Sp	Sp	F	-	F	-	-	F	F
AJO 24	F	F	F,Sp	F,Sp	-	Sp	-	-	Sp	Sp
AJO 29	-	-	F	F	-	-	-	-	-	-
AJO 32	-	-	-	Sp	-	-	-	-	-	F
AJO 50A	Sp	Sp	Sp	F,Sp	-	-	F	-	-	-
AJO 50B	Sp	Sp	Sp	F,Sp	-	-	-	F	-	-
AJO 55	F,Sp	F,Sp	-	-	-	-	-	-	-	-
AGRICULTURE										
AG 10	F	F	-	-	-	-	-	-	-	-
AG BUSINESS										
AG BUS 11	Sp	Sp	-	-	-	-	-	-	-	-
AG BUS 15	F	F	-	-	-	-	-	-	-	-
AG BUS 20	Sp	Sp	-	-	-	-	-	-	-	-
AG BUS 24	F	F	-	-	-	-	-	-	-	-
AG BUS 40	-	Sp	-	-	-	-	-	-	-	-
AG MECHANICS										
AG MEC 50	Sp	Sp	-	-	-	-	-	-	-	-
AG MEC 72	F	F	-	-	-	-	-	-	-	-
ANIMAL SCIENCE										
A SCI 5	F,Sp	F,Sp	-	-	-	-	-	-	-	-
A SCI 6	F,Sp	F,Sp	-	-	-	-	-	-	-	-

* = This course is offered infrequently

+ = Guaranteed Day

++ = Guaranteed Night

(F = Fall, Sp = Spring course offering)

COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
ANIMAL SCIENCE (CONT.)										
A SCI 7	F,Sp	F,Sp	-	-	-	-	-	-	-	-
A SCI 8	F,Sp	F,Sp	-	-	-	-	-	-	-	-
A SCI 10	F,Sp	F,Sp	-	-	-	-	-	-	-	-
A SCI 12	F	F	-	-	-	-	-	-	-	-
A SCI 14	F	F	-	-	-	-	-	-	-	-
A SCI 20	Sp	Sp	-	-	-	-	-	-	-	-
A SCI 21	Sp	Sp	-	-	-	-	-	-	-	-
A SCI 32	-	Sp	-	-	-	-	-	-	-	-
ART										
ART 2A	F	F	F,Sp	F,Sp	-	-	F	F	-	-
ART 2B	F	F	F,Sp	Sp	-	-	F	F	-	-
ART 4	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F	F	-	-
ART 5A	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F	F	-	-
ART 5B	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-	-
ART 12	F,Sp	F,Sp	-	-	-	-	-	-	-	-
ART 13A-D	F,Sp	F,Sp	-	-	-	-	-	-	-	-
ART 15A-D	F,Sp	F,Sp	-	-	-	-	-	-	-	-
ART 16A	-	-	F	F	-	-	-	-	-	-
ART 16B	-	-	Sp	Sp	-	-	-	-	-	-
ART 17	F,Sp	F	-	-	-	-	-	-	-	-
ART 42/52	F,Sp	F	F,Sp	F,Sp	-	-	Sp	Sp	-	-
BIOLOGY										
BIO 10	F+,Sp+	F,Sp++	F+,++Sp++	F+,++Sp++	-	-	F,Sp	F,Sp	F,Sp	F,Sp
BIO 20	-	-	Sp	-	-	-	-	-	-	-
BIO 24	-	-	-	Sp	-	-	-	-	-	-
BIO 32	F+	F+	F+,++Sp++	F+,++Sp++	-	-	Sp	Sp	-	-
BIO 35	Sp	Sp	F+,Sp++	F+,Sp	-	-	-	-	-	-
BIO 38	-	-	F,Sp+	F,Sp++	-	-	-	-	-	-
BUSINESS										
BUS 1A	F	F	F	F	Sp	Sp	F	F	-	-
BUS 1B	Sp	Sp	Sp	Sp	F	F	Sp	Sp	-	-
BUS 13A	F,Sp	F,Sp	F,Sp	F,Sp	F	F	F,Sp	F,Sp	-	-
BUS 13B	F,Sp	F,Sp	F,Sp	F,Sp	F	F	F,Sp	F,Sp	-	-

* = This course is offered infrequently
 + = Guaranteed Day
 ++ = Guaranteed Night

(F = Fall, Sp = Spring course offering)

COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
BUSINESS (CONT.)										
BUS 18	Sp	Sp	E,Sp	E,Sp	Sp	F	F	F	-	-
BUS 20	E,Sp	E,Sp	E,Sp	E,Sp	F	Sp	F	F	-	-
BUS 24	Sp	Sp	E,Sp	E,Sp	F	-	Sp	Sp	-	-
BUS 28	F	F	Sp	Sp	F	Sp	F	F	-	-
BUS 29	F	Sp	Sp	Sp	F	Sp	F	F	-	-
BUS 32	F	-	Sp	Sp	F	F	-	-	-	-
BUS 35	-	Sp	F	F	Sp	Sp	Sp	Sp	-	-
BUS 50	E,Sp	E,Sp	E,Sp	E,Sp	-	-	-	-	-	-
BUS 52	E,Sp	E,Sp	E,Sp	E,Sp	-	-	-	-	-	-
BUS 54	E,Sp	E,Sp	E,Sp	E,Sp	-	-	-	-	-	-
BUS 55	F	F	E,Sp	E,Sp	-	-	Sp	Sp	-	-
BUS 56	Sp	Sp	Sp	Sp	-	-	-	-	-	-
BUS 59	Sp	F	F	F	-	-	Sp	Sp	-	-
BUS 62A	Sp	Sp	F	F	-	-	-	-	-	-
BUS 62B	Sp	Sp	F	F	-	-	-	-	-	-
BUS 62C	Sp	Sp	F	F	-	-	-	-	-	-
BUS 62D	Sp	Sp	F	F	-	-	-	-	-	-
BUS 63	Sp	Sp	F	F	-	-	-	-	-	-
BUS 67	E,Sp	E,Sp	E,Sp	E,Sp	-	-	F	F	-	-
BUS 69	E,Sp	E,Sp	E,Sp	E,Sp	-	-	Sp	Sp	-	-
BUS 80A	E,Sp	E,Sp	E,Sp	E,Sp	-	-	-	-	-	-
BUS 80B	E,Sp	E,Sp	E,Sp	E,Sp	-	-	E,Sp	E,Sp	-	-
BUS 81A	E,Sp	E,Sp	E,Sp	E,Sp	-	-	E,Sp	E,Sp	-	-
BUS 81B	E,Sp	E,Sp	E,Sp	E,Sp	-	-	E,Sp	E,Sp	-	-
CHEMISTRY										
CHEM 1A	Sp	Sp	F	F	-	-	-	-	-	-
CHEM 1B	-	-	Sp	Sp	-	-	-	-	-	-
CHEM 2A	F	F	F+++Sp	F+++Sp	-	-	F	F	-	-
CHEM 2B	-	-	-	F	-	-	-	-	-	-
CHEM 35	-	-	-	-	-	-	-	-	-	-
CHEM 55	F	F	E,Sp	E,Sp	-	-	-	-	-	-
COMPUTER INFORMATION SYSTEMS										
CIS 4	-	-	-	-	-	-	-	-	F	F

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
COMPUTER INFORMATION SYSTEMS (CONT.)										
CIS 5	-	-	-	-	-	-	-	-	F	F
CIS 6	-	-	-	-	-	-	-	-	F	F
CIS 7	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	-	-
CIS 8	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	-	-
CIS 10	Sp	Sp	Sp	Sp	Sp	Sp	Sp	Sp	-	-
CIS 14	F	F	F	F	F	F	F	F	-	-
CIS 15	-	-	-	-	-	-	-	-	-	-
CIS 16	-	-	-	-	-	-	-	-	Sp	Sp
CIS 16A	-	-	-	-	-	-	-	-	F	F
CIS 17	-	-	-	-	-	-	-	-	Sp	Sp
CIS 17A	-	-	-	-	-	-	-	-	Sp	Sp
CIS 17B	-	-	-	-	-	-	-	-	-	-
CIS 18	-	-	-	-	-	-	-	-	Sp	Sp
CIS 18A	-	-	-	-	-	-	-	-	F	F
CIS 19B	F	F	F	F	F	F	F	F	-	-
CIS 20	-	-	-	-	-	-	-	-	F,Sp	F,Sp
CIS 21	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp
CIS 34	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	Sp	Sp
CIS 35	-	-	-	-	-	-	-	-	Sp	Sp
CIS 42	-	-	-	-	-	-	-	-	-	-
CIS 43A	-	-	-	-	-	-	-	-	-	-
CIS 43B	-	-	-	-	-	-	-	-	-	-
CIS 45	-	-	-	-	-	-	-	-	-	-
CIS 46	-	-	-	-	-	-	-	-	-	-
CIS 47	-	-	-	-	-	-	-	-	-	-
CIS 48	-	-	-	-	-	-	-	-	-	-
CIS 67	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	-	-
CIS 71	-	-	-	-	-	-	-	-	Sp	Sp
CIS 73	-	-	-	-	-	-	-	-	Sp	Sp
CIS 75	-	-	-	-	-	-	-	-	F	F
CIS 80	-	-	-	-	-	-	-	-	-	-
CIS 80A	-	-	-	-	-	-	-	-	-	-
CIS 81A	-	-	-	-	-	-	-	-	-	-
CIS 83A	-	-	-	-	-	-	-	-	-	-

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	
COMPUTER INFORMATION SYSTEMS (CONT.)									
CIS 83B			F						
CIS 83C									
CIS 83D									
CIS 83E									
CROP SCIENCE									
CRP SCI 1									
CRP SCI 6									
CRP SCI 7									
CRP SCI 11									
CRP SCI 13									
CRP SCI 16A									
CRP SCI 16B									
CRP SCI 16C									
CRP SCI 18A									
CRP SCI 18B									
CRP SCI 19									
DIESEL TECH									
*DT 71									
DT 72									
DT 73									
DT 90									
DIESEL TECH									
*DT 91									
DT 93									
EARLY CHILDHOOD EDUCATION									
ECE 4									
ECE 5									
ECE 7									
ECE 8									
ECE 9									
ECE 10									
ECE 11									

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
EARLY CHILDHOOD EDUCATION (CONT.)										
ECE 12A	F	F	Sp	Sp	-	-	F	F	-	-
ECE 12B	F	F	Sp	Sp	-	-	F	F	-	-
ECE 14A	-	-	F	-	-	-	-	F	-	-
ECE 14B	-	-	F	-	-	-	Sp	F	-	-
ECE 15	Sp	-	F	F	-	-	Sp	Sp	-	-
ECE 16	F	-	F	-	-	-	Sp	F	-	-
ECE 17A	-	Sp	F	F	-	-	Sp	Sp	-	-
ECE 17B	-	Sp	F	F	-	-	F,Sp	F,Sp	-	-
ECE 17C	-	Sp	F	F	-	-	Sp	Sp	-	-
ECE 18	F	F	F	F	-	-	Sp	Sp	-	-
ECE 19	-	-	-	-	-	-	F	F	-	-
ECE 20A	F	F	Sp	Sp	-	-	F,Sp	F,Sp	-	-
ECE 20B	F	F	Sp	Sp	-	-	F,Sp	F,Sp	-	-
ECE 20C	F	F	Sp	Sp	-	-	F,Sp	F,Sp	-	-
ECE 21	Sp	Sp	F	F	-	-	F	F	-	-
ECE 22	F	-	Sp	-	-	-	Sp	Sp	-	-
ECE 23	Sp	Sp	Sp	Sp	-	-	Sp	Sp	-	-
ECE 48	-	-	-	-	-	-	F	F	-	-
ECONOMICS										
ECON 1A	F	F	F+++Sp+++	F+Sp+++	Sp	Sp	-	-	F,Sp	F,Sp
ECON 1B	Sp	Sp	F+++Sp	F+++Sp	F	F	-	-	F,Sp	F,Sp
EDUCATION										
EDUC 1	-	Sp	F,Sp	F,Sp	-	-	Sp	Sp	-	-
EDUC 5	-	-	-	-	-	-	-	-	-	-
EDUCATION ASSISTANT										
EA 31	-	Sp	F,Sp	F,Sp	-	-	F	-	-	-
EA 55	F, Sp	F, Sp	F, Sp	F, Sp	-	-	F, Sp	F, Sp	-	-
EA 56	-	-	-	-	-	-	-	-	-	-
EA 57	-	-	-	-	-	-	-	-	-	-
EMERGENCY MEDICAL TECHNICIAN										
EMT 1	-	-	F,Sp	F,Sp	-	-	F,Sp	F, Sp	-	-

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	
ENGLISH									
ENG 1A	F+,++	F+,++	F+,++	F+,++	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp
ENG 1B	Sp+	Sp+	Sp+,++	Sp+,++	-	-	-	-	-
ENG 21	F	F,Sp	F,Sp	F+,Sp	-	-	-	-	-
ENG 25A-C	Sp	Sp	Sp	Sp	-	-	-	-	-
ENG 51A	-	Sp	-	Sp	-	-	-	-	-
ENG 51B	F+,	F+,	F+,++	F+,++	F,Sp	F,Sp	F,Sp	F,Sp	-
ENG 70	Sp+	Sp+	Sp+,++	Sp+,++	-	-	-	-	-
ENG 101A/B	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-
ENG 105A/B	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-
EQUINE SCIENCE									
EQ SCI 1	F,Sp	F,Sp	-	-	-	-	-	-	-
EQ SCI 2	F,Sp	F,Sp	-	-	-	-	-	-	-
EQ SCI 3	-	Sp	-	-	-	-	-	-	-
EQ SCI 4	F	F	-	-	-	-	-	-	-
EQ SCI 5	Sp	Sp	-	-	-	-	-	-	-
EQ SCI 7	Sp	Sp	-	-	-	-	-	-	-
ENGLISH AS A SECOND LANGUAGE									
ESL 120	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-
ESL 125	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-
ESL 130	F,Sp	F,Sp	-	-	-	-	-	-	-
ESL 135	F,Sp	F,Sp	-	-	-	-	-	-	-
ESL 140	-	-	-	-	-	-	-	-	-
ESL 145	-	-	-	-	-	-	-	-	-
ESL 150	-	-	-	-	-	-	-	-	-
FOREIGN LANGUAGE									
SPAN 1/11	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-
SPAN 2/12	Sp	Sp	F,Sp	F,Sp	-	-	-	-	-
SPAN 3	F	F	F	F	-	-	-	-	-
SPAN 4	Sp	Sp	Sp	Sp	-	-	-	-	-
SPAN 51	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-
SPAN 52-54	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
GEOGRAPHY										
GEOG 1	F+Sp	F+Sp	F+Sp	F+Sp+	-	-	F+Sp	F+Sp	-	-
GEOG 2A	Sp	-	F	F	-	-	Sp	-	-	-
GEOG 2B	-	Sp	Sp	Sp	-	-	-	Sp	-	-
GEOG 3	F+	F+	F+Sp	F+Sp	-	-	F+	F-	F,Sp	F,Sp
GEOG 4	-	-	-	-	-	-	-	-	-	-
GEOG 10	Sp	Sp	Sp	Sp	-	-	-	-	-	-
GEOG 11	Sp	-	Sp	-	-	-	Sp	-	-	-
GEOG 12	-	Sp	-	Sp	-	-	-	Sp	-	-
GEOG 13	F	F	F	F	-	-	-	-	-	-
GEOG 18	-	-	-	-	-	-	-	-	Sp	Sp
GEOG 59	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-	-
GEOLOGY										
GEOG 1	-	-	-	Sp	-	-	Sp	-	-	-
GEOG 3	-	-	-	-	-	-	-	-	-	-
GEOG 11	-	-	-	-	-	-	-	-	-	-
GEOG 12	-	-	-	-	-	-	-	-	-	-
GUIDANCE STUDIES										
GS 61	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F,Sp	F,Sp	-	-
HEALTH										
HE 35	F+, Sp+	F++, Sp++	F+, ++, Sp+, ++	F+, ++, Sp+, ++	-	-	F	F++, Sp+++	F,Sp	F,Sp
HEAVY EQUIPMENT										
HVYEQUIP 50	F	-	-	-	-	-	-	-	-	-
HISTORY										
HIST 4A	F	F	F,Sp	F,Sp	Sp	Sp	F	F	F,Sp	F,Sp
HIST 4B	Sp	Sp	F,Sp	F,Sp	F	F	Sp	Sp	F,Sp	F,Sp
HIST 17A	F+Sp+	F+Sp+	F+, ++Sp+	F+, ++Sp+	Sp	Sp	F+	F+	F,Sp	F,Sp
HIST 17B	F+Sp+	F+Sp+	F+, ++Sp+	F+, ++Sp+	F	F	Sp+	Sp+	F,Sp	F,Sp
HIST 18	F	-	F	-	-	-	-	-	-	-
HOTEL, RESTAURANT & CASINO MGMT										
HRCM 1	-	-	F,Sp	F,Sp	-	-	-	-	-	-

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
HUMANITIES										
HUM 1										
HUM 22	F,Sp	F,Sp	F,Sp	F,Sp	-	-	Sp	Sp	-	-
INDUSTRIAL TECH										
IT 50										
IT 55	-	-	-	-	-	-	-	-	-	-
INTERDISCIPLINARY STUDIES										
IS 1	F,Sp	F,Sp	F,Sp	F,Sp	-	-	E,Sp	E,Sp	-	-
IS 2	F,Sp	F,Sp	Sp	Sp	-	-	E,Sp	E,Sp	F,Sp	F,Sp
IS 7	F,Sp	F,Sp	F,Sp	F,Sp	-	-	E,Sp	E,Sp	F,Sp	F,Sp
MATH										
MATH 1A	F	F	F	F	-	-	-	-	-	-
MATH 1B	Sp	Sp	Sp	Sp	-	-	-	-	-	-
MATH 2A	F	F	F	F	-	-	-	-	-	-
MATH 2B	-	-	-	-	-	-	-	-	-	-
MATH 10A	Sp	Sp	F,Sp	F,Sp	-	-	Sp	Sp	-	-
MATH 15	F,Sp	F,Sp	F,Sp	F,Sp	Sp	Sp	F	F	-	-
MATH 25	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F	F	F,Sp	F,Sp
MATH 45	-	-	-	-	-	-	-	-	-	-
MATH 61	F+,Sp+, F+,Sp+	F+,Sp+, F+,Sp+	F+,+,Sp+, F+,+,Sp+	F+,+,Sp+, F+,+,Sp+	Sp	Sp	E,Sp	E,Sp	-	-
MATH 63	F+,Sp+, F+,Sp+	F+,Sp+, F+,Sp+	F+,+,Sp+, F+,+,Sp+	F+,+,Sp+, F+,+,Sp+	F	F	E,Sp	E,Sp	-	-
MATH 64	Sp	Sp	F,Sp	F,Sp	-	-	-	-	-	-
MATH 75	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-	-
MATH 87	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F,Sp	F,Sp	F,Sp	F,Sp
MATH 101	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F,Sp	F,Sp	F,Sp	F,Sp
MUSIC										
MUS 1A/B	-	-	F,Sp	F,Sp	-	-	-	-	-	-
MUS 2A-B	-	-	F,Sp	F,Sp	-	-	-	-	-	-
MUS 17A	-	-	F,Sp	F,Sp	-	-	-	-	-	-
MUS 17B	-	-	F,Sp	F,Sp	-	-	-	-	-	-
MUS 17C	-	-	F,Sp	F,Sp	-	-	-	-	-	-
MUS 17D	-	-	F,Sp	F,Sp	-	-	-	-	-	-
MUS 42/52	F,Sp	F,Sp	F+,+,Sp+, F+,+,Sp+	F+,+,Sp+, F+,+,Sp+	-	-	-	-	-	-

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
NON-CREDIT										
NC 100	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F,Sp	F,Sp	-	-
NC 140	-	-	-	-	-	-	-	-	-	-
NC 141	-	-	F,Sp	F,Sp	-	-	-	-	-	-
NC 142	-	-	F,Sp	F,Sp	-	-	-	-	-	-
NC 157	F,Sp	F,Sp	F+,Sp+	F+,Sp+	-	-	-	F,Sp	-	-
NC 160	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-	-
NUTRITION										
NUT 1	Sp	Sp	F,Sp	F,Sp	-	-	F	Sp	-	-
PERFORMING ARTS										
PA 1	F	F	Sp	Sp	-	-	-	-	-	-
PA 3	F	F	F,Sp	F,Sp	-	-	F	F	-	-
PA 14	F	F	F	F	-	-	-	-	-	-
PA 21	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PA 25	-	F	-	-	-	-	-	-	-	-
PA 42A	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PA 42B	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PA 42C	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PHILOSOPHY										
PHIL 1	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-	-
PHIL 2	F,Sp	Sp	F	F	Sp	Sp	-	-	-	-
PHIL 3	-	-	F	Sp	-	-	-	-	-	-
PHYSICAL EDUCATION										
ACTIVITY COURSES										
PE 1	F	Sp	-	-	-	-	Sp	Sp	-	-
PE 2	-	-	F,Sp	F,Sp	-	-	-	-	-	-
PE 4	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PE 6	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PE 7	-	-	F+,Sp+	F+,Sp+	-	-	F,Sp	F,Sp	-	-
PE 8	-	-	F,Sp	F,Sp	-	-	-	-	-	-
PE 11	Sp	Sp	F,Sp	F,Sp	-	-	-	Sp	-	-
PE 12	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PE 13	-	-	F,Sp	F,Sp	-	-	-	-	-	-

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COURSE	COALINGA		LEMOORE		NASL		NDC		ONLINE	
	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04	02-03	03-04
PHYSICAL EDUCATION (CONT.)										
PE 16	Sp	Sp	F	F	-	-	-	-	-	-
PE 17	-	-	F,Sp	F,Sp	-	-	-	-	-	-
PE 18	-	-	-	-	-	-	-	-	-	-
PE 20	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PE 21	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-	-	-
PE 22	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PE 23	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F	F	-	-
PE 25A/B	-	-	-	-	-	-	-	-	-	-
PE 51	-	-	F,Sp	F,Sp	-	-	-	-	-	-
PE 52	-	-	-	-	-	-	-	-	-	-
NON-ACTIVITY COURSES										
PE 27	Sp	Sp	-	-	-	-	-	-	-	-
PE 32	Sp	F,Sp	-	-	-	-	-	-	-	-
PE 34	F	F	-	-	-	-	-	-	-	-
PE 38	F	F	Sp	Sp	-	-	-	-	-	-
PE 40	Sp	Sp	-	-	-	-	-	-	-	-
PE 41	F	F	-	-	-	-	-	-	-	-
PE 43	F	F	-	-	-	-	-	-	-	-
PE 44A	F	F	-	-	-	-	-	-	-	-
PE 45A	F	F	-	-	-	-	-	-	-	-
PE 45B	F	F	-	-	-	-	-	-	-	-
PE 46	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PE 48	F,Sp	F,Sp	F,Sp	F,Sp	-	-	F,Sp	F,Sp	F,Sp	F,Sp
PE 57	Sp	F,Sp	F,Sp	F,Sp	F,Sp	F,Sp	-	-	-	-
PE 28A/B	Sp	Sp	Sp	Sp	-	-	-	-	-	-
PE 29A/B	F	F	-	-	-	-	-	-	-	-
PE 31	F,Sp	F,Sp	-	-	-	-	-	-	-	-
PE 33	F	F	-	-	-	-	-	-	-	-
*PE 35	-	-	-	-	-	-	-	-	-	-
PE 37	Sp	Sp	-	-	-	-	-	-	-	-
PE 42	Sp	Sp	-	-	-	-	-	-	-	-
PHYSICAL SCIENCE										
PHY SCI 1	Sp	Sp	F	F	-	-	F	-	F,Sp	F,Sp
Survey of the Physical Sciences										

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COURSE	COALINGA 02-03 03-04	LEMOORE 02-03 03-04	NASL 02-03 03-04	NDC 02-03 03-04	ONLINE 02-03 03-04
WORK EXPERIENCE					
	F,Sp	F,Sp	F,Sp	F,Sp	-
WELDING					
WT 40 Introduction to Welding	F,Sp	-	-	-	-
WT 41 Intermediate Welding	F,Sp	-	-	-	-
WT 67 Welding Projects	F,Sp	-	-	-	-

* = This course is offered infrequently
+ = Guaranteed Day
++ = Guaranteed Night

FACULTY AND ADMINISTRATION

- Acosta, Edgar English 2000
B.A., Pepperdine University
M.A., Pepperdine University
- Allvin, Julie Learning Disability Specialist/
DSPS Counselor 1996
B.A., Luther College
M.A., Fresno Pacific College
- Amaya-Guenon, Linda Counselor 1989
A.A., West Hills College
B.A., Chapman University
M.A., Fresno Pacific University
- Arce, Mark Head Men's Basketball Coach/Instructor 2001
A.A., St. Gregory's College, Shawnee, OK
B.S. M.A., Oklahoma State University
M.A., California State University, Bakersfield
- Barabe, Catherine Director, Grants & Research 1999
B.A., University of New Mexico
M.S., California State University, Fresno
Licensed MFCT, Board of Behavioral Science Examiners
- Barner, Etsel Business 1986
A.A., Reedley College
B.S., California State University, Fresno
M.B.A., California State University, Fresno
- Bart, John Administration of Justice 2001
B.P.A., National University, San Diego
M.A., California School of Professional Psychology
- Belooof, Lawrence A. English, Speech 1980
B.A., Western Michigan University
M.A., Ph.D., University of California, Santa Barbara
- Bolt, David Dean Educational Services
Chief Instructional Officer 1986
B.A., University of California, Santa Cruz
M.S., University of North Dakota
- Bottoms, Libra Basic Skills/English 1999
A.A., Porterville College
B.A., M.F.A., California State University, Fresno
- Brown, Larry G. Truck Driving 1980
B.A., California State University, Fresno
- Burke, Michael Biology, Math 1996
A.S., Temple University
B.S., Michigan State University
M.S., University of Illinois
Ph.D., University of Minnesota
- Castagna, Kim Mathematics 1988
B.A., Northeastern Illinois
M.S., University of Tulsa
- Christenson, Eric B. Biology 1975
B.S., California State University, Fresno
- Clement, Robert Director of Athletics 1999
A.A., West Hills College
B.A., California State University, Fresno
M.A., University of La Verne
- Coleman, Joyce Coordinator of Education,
Claremont Custody Center 1990
B.S., Sam Houston State University
M.S.W., University of Houston
- Corcoran, Terence M. Mathematics 1970
B.S., St. Joseph's College, Pennsylvania
M.S., Notre Dame University
- Cummings, Clint Animal Science 2001
B.S., Cal Poly State University, San Luis Obispo
- Dam-Mikkelson, Hector Psychiatric Technician 2001
A.A., Cuesta College (2 A.A. degrees earned)
A.S.N., Cuesta College, San Luis Obispo
- Daniels, Neomi Basic Skills, English 1999
B.A., M.F.A., California State University, Fresno
- Davis, Cynthia Director, Psychiatric
Technician Program 2001
A.S., Santa Rosa Junior College
B.S., California Lutheran College
- Davis, Terry Administration of Justice 1997
B.A., M.A., California State University, Fresno

- Dean, Carl Assistant Football Coach,
Physical Education Instructor 2001
A.A., Bakersfield College
B.S., California State University, San Jose
M.A., California State University, San Jose
- Discont, Margaret Basic Skills, ESL 1999
A.A., Fresno City College
B.A., M.A., California State University, Fresno
- Diniz, Carlos Associate Dean, Educational Services 2000
B.S., Embry-Riddle Aeronautical University
M.S., Chapman University
- Duarte, Dora Director of Title IV 2001
B.A., California State University, Fresno
- Ennes, Marty English, Speech 1999
B.A., M.A., Western Washington University
- Felix-Mata, Bertha Dean of Students 1999
A.A., West Hills College
B.A., California State University, Fresno
M.P.H., University California, Los Angeles
- Gamino, Eliseo Associate Dean, Educational Services 1999
B.A., M.A., California State University, Fresno
- Ganter, Frieda Math 1999
B.S., University of Massachusetts
Ph.D., University of North Carolina
- Georgatos, Darlene Assistant Dean of Students 1978
- Gibson, Bob Math 1977
B.S., Cal Poly State University, San Luis Obispo
M.S., California State University, Fresno
- Gornick, Francis P. Chancellor 1994
A.A., West Hills College
B.A., M.S., California State University, Sacramento
Ph.D., St. Louis University
- Grant, James Speech 1990
B.A., M.A., Pacific University
- Gritton, Mark Head Football Coach,
Physical Education 1996
B.A., M.A., Humboldt State University
- Hall, Bob Geography 1997
B.A., University of Northern Colorado
M.A., University of Texas, Austin
- Hall, Marlon Basic Skills, English 2001
A.A., West Hills College
B.A., West Coast Christian College
B.A., California State University, Fresno
M.A., Fresno Pacific University
- Hauki, Cynthia A. Business 1981
A.A., Sacramento City College
B.S., M.A., The Consortium of the California State
Universities
- Hedgecock, David G. Geography 1991
A.A., West Hills College
B.A., M.A., California State University, Fresno
- Hendrickson, Marta Counselor, One Step Beyond 1995
B.A., Concordia College
M.A., University of San Francisco
- Hioco, Barbara President,
West Hills College Lemoore 1993
B.S., University of Colorado
M.Ed., Colorado State University
Ed.D., University of California, Davis-CSU, Fresno
- Hodsdon, Paul Head Baseball Coach, English 2000
A.A., Central Arizona College
B.S., M.A., University Nevada, Reno
- Holmes, Robert Chemistry 1989
B.S., St. Mary's College
Ph.D., Oregon State University
- Hunt, Bruce Head Rodeo Coach, Agriculture 1985
B.S., M.S., Cal Poly State University, San Luis Obispo
- Jackson, Shawn Math 2001
B.A., M.A., California State University, Fresno
- Jacobus, Linda Basic Skills, ESL 1993
B.A., University of California, Santa Barbara
M.A., San Francisco State University
- Jaurena, Tracey Athletic Trainer,
Physical Education 1999
A.A., West Hills College
B.A., California State University, Fresno
M.A., Western Michigan University

- Jeffery, Richard Work Experience 1979
B.S., M.A., Cal Poly State University, San Luis Obispo
- Kincade, Susan Dean of Learning Resources 2000
A.A., Fresno City College
B.A., M.A., California State University, Fresno
- Kozlowski, Michelle Director
Information Technology Systems 2000
B.A., California State University, Chico
- Kraft-Chapman, Patricia Early Childhood Education 1991
A.A., Mt. San Antonio College
B.S., M.S., University of LaVerne
- Kron, Brian Business 1999
B.S., California State University, Fresno
M.B.A., California State University, Fresno
- Lewis, Dudley Health, Physical Education 1986
B.S., M.S., Cal Poly State University, Pomona
- Little, Anna-Lisa Early Childhood Education 1997
B.A., M.A., California State University, Bakersfield
- Lopez, Jose Director, Teacher Prep 2000
A.A., Reedley College
B.A., M.S.W., California State University, Fresno
- Maffei, Robert Business 2001
A.A., Monterey Peninsula Junior College
B.S., Santa Clara University
M.B.A., Golden Gate University, San Francisco
- Mahoney, Fred Physical Education 1978
A.A., College of the Sequoias
B.S., California State University, Northridge
M.S., Cal Poly State University, San Luis Obispo
- Mahrt, Jack Vice Chancellor 2001
A.A., West Hills College
B.S., Pepperdine University
C.F.P., License, California Lutheran College
- McCormick, Marcia Psychology 2001
B.S., University of California, Davis
M.A., University of California, Santa Barbara
- McGlothlin, Sandra Counselor 1996
A.A., Fullerton College
A.A., West Hills College
B.A., M.A., California State University, Fresno
- Mendenhall, Faye Basic Skills Math 1979
B.A., M.A., Humboldt State University
- Mitchell, Ronald T. Art 1975
A.A., Santa Ana College
B.A., M.A., California State University, Fullerton
- Mosher, Staci Head Softball Coach, Psychology 1997
B.A., United States International University
M.A., National University
- Nanda, Vineet Computer Information Systems 2001
B.S., Government College, Punjab, India
B.Ed., Government College of Education, Punjab, India
M.A.S.E., Uptron ACL, Punjab, India
- Niedens, Bret Biology 2001
B.S., Cal Poly State University, San Luis Obispo
Ph.D., Montana State University
- Noland, Jon Chief Librarian 1999
M.A., Iowa State University
M.S., University of Kentucky
- Oliver, Norine Political Science, History 1985
B.A., M.A., California State University, Fresno
- Paden, Monte Computer Information Systems,
Business 1998
A.S., College of the Sequoias
B.S., California State University, Fresno
- Pratt, Eugenie (Genie) Early Childhood Education 2001
B.S., Brigham Young University
M.S., California State University, Fresno
- Preston, James English 2000
B.A., University of California, Santa Barbara
M.A., Fresno Pacific University
- Quilty, George Director of Culinary Arts 2001
- Rathbun, Larry Associate Dean, Educational Services 2001
B.S., M.A., Cal Poly State University, San Luis Obispo
Ph.D., Ohio State University

- Rehark-Griffith, Rhea Spanish 1985
B.A., M.A., University of California, Santa Barbara
- Rengh, David-Michael Computer
Information Systems 1989
A.A., West Hills College
B.A., Fresno Pacific College
- Renteria, Frank EOP&S/CARE/
CalWORKs Counselor 1998
B.A., M.S.W., P.P.S.C., California State University,
Fresno
- Renton, Stephen Director Development/
Alumni/Foundation 1997
B.A., University of California, Davis
- Rodriguez, Martha Director, EOPS 1997
B.A., California State University, Fresno
M.S., California State University, Fullerton
Ed.D., University of Southern California
- Roton, Marlese Counselor 1997
A.A., Modesto Junior College
B.A., M.A., California State University, Stanislaus
- Sanchez, Rene History 2001
B.A., M.A., California State University, Fresno
- Scroggins, Patty Director of Child
Development Centers 1995
- Shehorn, Jacqueline Basic Skills, English 1997
B.A., University of California, Irvine
M.A., California State University, Fresno
- Shepard, Sarah Agriculture Business, Equine Science 2001
A.A., San Joaquin Delta College
B.S., M.B.A., California State University, Fresno
- Smith, Beverly Dean, Educational Services,
Chief Instructional Officer – Coalinga 1997
B.A., University of Washington
B.A., M.S., Ph.D., University of New Mexico
- Smith, Dixie Performing Arts 2001
A.A., Hartnell College
B.A., St. Edwards University
Ph.D., Brigham Young University
- Smyers, Joyce Director, DSPS 1997
A.A., College of Sequoias
B.A., M.A., California State University, Fresno
- Sowden, Kenneth Math 2001
B.A., M.A., California State University, Fresno
- Spiva, Derrick Speech 1997
B.A., California State University, Northridge
M.F.A., University of California, Irvine
Ph.D., San Antonio Theological Seminary.
- Squire, Frances Director of Marketing 2001
B.S., Cal Poly, San Luis Obispo
- Stearns Jr., Harold Truck Driving 1998
A.S., ITT Technical Institute
B.A., California State University, Fresno
- Stevenson, Elizabeth Early Childhood Education 2001
A.A., Grossmont College
B.A., M.S., San Diego State University
- Stoppenbrink, Ken Director of Human Resources 1996
A.A., Shasta Community College, Redding
B.S., California State University, Chico
- Sutton, Mel Psychiatric Technician 2001
A.A., Grossmont Community College
B.A., San Diego State University
A.N., Cuesta College, San Luis Obispo
- Tarver, Ruth Business 1995
A.A., Fresno City College
B.S., M.P.A., California State University, Fresno
- Trezza, Kathleen L. Counselor, 1996
B.A., University of California, Davis
M.S., California State University, Sacramento
- Tricoli, Anthony President
West Hills College Coalinga 2002
A.A., Golden West Community College
B.A., Whittier College
M.A., University of Redlands
Ed.D., Pepperdine University

Vaughn, Jeffrey English/Philosophy 1986
B.A., California State University, San Francisco
M.A., California State University, Fullerton
M.L.S., California State University, San Jose
Ph.D., Claremont Graduate School

Vokoun, Scott Health, Physical Education,
Assistant Football Coach 1997
B.S., M.S., Wayne State College

Wanderer, Jeffrey Head Volleyball Coach, Biology 1998
B.S., M.A., California State University, San Jose

Warkentin, Donald J. Dean of Students 1986
B.A., California State University, Chico
M.A., California State University, Fresno

Weatherman, Tammy Director of Fiscal Services 1989
A.A., West Hills College

Welch, Merlin Heavy Equipment 1983
B.S., Cal Poly State University, San Luis Obispo

Whitehead, Anita Administration of Justice 2001
A.S., Southwestern Oregon Community College
B.A., M.A., California State University, San Bernardino

Wiest, Harold Performing Arts 2001
A.A., Imperial Valley Community College, El Centro
B.A., California State University, Long Beach

Wilson, Scott Math 2000
B.A., M.A., California State University, Fresno

Winters, Tom Director of Title V 1986
B.A., M.A., Rutgers University
M.S., Dominican College



CLASSIFIED STAFF

Abrego, Monica	Office Assistant	Davis, Penny	Program Assistant
Aguilar, Crystal	Learning Skills Program Assistant	Davis, Michael	Library Technician
Aguilera, Alicia	Admissions & Records Assistant	Deling, Darrell	Director of Maintenance - Coalinga
Alvarado, Juanita	Pre-School Site Supervisor	Denberg, Rose	Financial Aid Assistant
Alvarez, Isidro	Groundskeeper	Devine, Russell	Accounting Services Technician III
Ames, Laura	Tutorial Specialist	Eckhardt, Anthony	Director of In-Home Daycare
Andrade, Frances	Financial Aid Assistant	Eldridge, Sharon	Library Specialist
Arellano, Miguel	Advising Specialist	Emerson, Kristi	CDC Site Supervisor - Lemoore
Atkinson-Alston, Stephanie	Coordinator of Curriculum & Scheduling	Escalante, Gerardo	Job Coach/Recruiter
Avalos, Daniel	Financial Aid Assistant	Escamilla, Eluterio	MESA Director
Avila, Sara	Bookstore Assistant	Farmer, Margaret	Custodian
Ayala, Caroline	CDC Teacher	Ficken, Cynthia	Pre-School Teacher Assistant
Bailey, Shaun	Skilled Maintenance Worker	Fleming, Marla	Accounting Specialist
Balcasar, Priscilla	Student Services Assistant	Folsom, Karan	Duplicating Services Assistant
Banda, Graciela	CDC Teacher	Frazier, Myra	Bookstore Assistant
Barabe, Susan	CASS Coordinator	Fronaberger, Estella	Secretary
Bass, Cheryl	Senior Secretary	Garcia, Antonio	PC & LAN System Specialist
Bass, Leonard	Truck Driving Training Coordinator	Gardner, Nancy	Food Services Cashier
Bateman, Georgellen	Bookstore Assistant I	Gentry, Larry	Skilled Maintenance Worker
Beck, Gail	Library Specialist	Gervacio, Patricia	Office Assistant I
Benedict, Tom	Director of Duplicating	Gomez, Cambria	CDC Assistant
Benson, John	Groundskeeper	Gonzales, Anna	CDC Assistant
Blair, Paul	PC & LAN System Specialist	Gonzalez, Gabriela	CDC Teacher
Bourzac, Marilyn	Administrative Assistant	Gonzalez, Monica	Associate Teacher
Brewer, Butch	Custodian	Gregory, Eleanor	CDC Assistant
Briones, Susie	CAMP Coordinator	Grijalva, Manuel	Custodian
Brixey, Minerva	Office Manager	Grijalva, Veronica	EOP&S/CARE Advising Specialist
Burch, Charlene	Accounting Specialist	Hair, Elizabeth	Senior Secretary
Burciaga, Rosemary	North District Center Office Manager	Henslick, Jeanne	Accounting Tech/Purchasing Tech.
Cabrera, Rosa	Human Resources Assistant	Hernandez, Ana	Office Assistant
Cannon, Michelle	Bookstore Manager	Hernandez, Diane	CDC Teacher
Carpenter, Dianne	Senior Secretary	Hernandez, Tiffany	Financial Aid Assistant
Castro, Richard	Sports Information/Marketing Assistant	Herrera, Maria	CDC Associate Teacher
Cavazos, Dagoberto	Athletic Equipment Coordinator	Hewitt, Paula	Human Resources Specialist
Cavazos, Maria	Program Development Assistant	Hill, Patricia	Accounting Specialist
Cavins, James	Evening Coordinator - Lemoore	Hollis, Lauri	Case Worker
Cavins, Sandy	Accounting Services Supervisor	Hubbard, Jhaniese	Mail/Stock Clerk
Chapman, Kimberly	CDC Assistant	Ibanez, Olivia	CDC Site Supervisor - NDC
Chavarria, April	Senior Secretary	Ieronimo, John	Custodian/Groundskeeper
Christy, Debra	Assistant Chef	Irujo, Shannon	Food Services Cook
Cleveland, Conne	Associate Teacher	Isaac, Donna	Exec. Administrative Assistant
Corpus, Alicia	Food Services Cook	Jackson, Veronica	CDC Assistant Teacher
Corpus, Angelica	Food Services Cashier	Jeffcoach, Nancy	CDC Site Supervisor - Coalinga
Corpus, Martin	Food Services Cook	Jensen, Amy	CDC Associate Teacher
Cota, Jesse	Advising Specialist/Tennis Coach	Jimenez, Donna	Senior Secretary
Dabbs, Tim	Skilled Maintenance Worker	Jimenez, Jessica	Secretary
Danner, Ronald	Director of Residential Living	Johnson, Debra	Case Worker
Davis, Lorna	Senior Secretary	Johnson, James	Skilled Maintenance Worker
		Jones, Doris	Instructional Assistant - Alpha Center

Jones, Glenda Administrative Assistant
 Jones, Mildred CDC Cook
 Jorgens, Anne Budget Services Supervisor
 Leach, Scott Evening Coordinator - Coalinga
 Lopez, Veronica CDC Assistant
 Lourenco, Maria Instructional Operation Manager
 Luna, Guadalupe Program Assistant
 Macias, Jose Custodian - Evenings
 Mahrt, Idelle Computer Operations Specialist
 Maio, Franki Program Assistant
 Marmolejo, Maria Family Development Specialist
 Marmolejo, Ricardo Advising Specialist
 Martin, Cynthia CDC Teacher
 Martin, Marisa Student Services Assistant
 Martinez, Irene CDC Cook
 Martinez, Leticia Program Assistant
 Mata, Annie Custodian - Women's Dorm
 Mata, Juan PC & LAN Systems Specialist
 McGuire, Megan CDC Associate Teacher
 Millett, Mark PC & LAN Systems Specialist
 Mirtcheva, Anna Office Assistant
 Mitchell, Cherie Senior Secretary
 Montoya, Michael Food Services Manager
 Montoya, Vincent Director of Maintenance - Lemoore
 Mora, Cecilio Case Worker
 Mora, Concepcion Custodian - Evenings
 Mora, Veronica CDC Associate Teacher
 Mullen, Bonnie Special Education Coordinator
 Munoz, Miguel CALWORKs Program Coordinator
 Murrieta, Jose Job Coach/Recruiter
 Najar, Primitivo Case Worker
 Navarro, Bernard ... Interim Hospitality Academy Coordinator
 Nguyen, Truc PC & LAN System Specialist
 Ocegueda, Mari CDC Master Teacher
 Olson, Melinda Office Manager
 Oman, Linda Senior Accounting Technician
 Oxford, Laura Custodian
 Padilla, Delia CDC Officer Manager
 Parker, Charles Custodian - Evenings
 Parker, Michael Computer Operations Manager
 Paxton, Keith Youth Program Coordinator
 Paxton, Wendy Senior Secretary
 Perez, Dino Case Worker
 Peterson, Gregory Programmer/Analyst
 Phan, Hang Food Services Cook
 Pick, Tamie . Program Director/Lead Employer Outreach Spec.
 Pimentel, Robert Program Assistant
 Planas, America Director of Financial Aid
 Quilici, Teresa Student Services Assistant
 Ramirez, Eva Advising Specialist
 Ramsey, LeeAnne Early Education Coordinator
 Redding, Lorri CDC Master Teacher

Repp, Elizabeth Program Development Assistant
 Reyes, Rebecca Job Coach/Recruiter
 Reynoso, Patrick Custodian/Grounds Keeper
 Rivero, Elizabeth CDC Associate Teacher
 Robinson, Andrea Library Technician
 Rocha, Alicia EOP&S Advising Specialist
 Rodgers, Mary Ann Office Assistant II
 Rodriguez, Suzette Bookstore Assistant II
 Rosales, Veronica Residence Hall Coordinator
 Rubio, Juan Advising Specialist
 Salazar, Christopher Financial Aid Assistant
 Saldana, Martin Tutorial Specialist/Library Technician
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 Santacruz, Refugio Program Assistant
 Santiago, Jeffrey Advising Specialist
 Santillan, Laura Senior Secretary
 Santos, Emma Financial Aid Assistant
 Saucedo, Martha CDC Teacher Assistant
 Schawe, Jean Accounting Technician
 Scroggins, Aaron Case Worker
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 Silva, Lydia Financial Aid Assistant
 Silva, Sue Student Services Technician
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 Sims, Shianne Senior Secretary
 Soto, Magdalena Accounting Specialist
 Stearns, Jill Educational Technology Specialist
 Stearns, Keith Programmer/Analyst
 Stivers, Cheryl Advising Specialist
 Tabor, Cindy Program Eligibility Assistant Intake / Recruiter
 Tamayo, Marisela Associate Teacher
 Tamayo, Jr., Daniel Dir. of Student Affairs/International
 Program
 Torres, Elva Secretary (DSPS/Student Services)
 Trevino, Dolores CDC Assistant
 Trevino, Thelma Accounting Technician
 Velasquez, Marco Custodian
 Vierhus, Melinda Tutorial Specialist
 Villarreal, Oscar Advising Specialist
 Vosburg, Nila Alpha Center Coordinator
 Watts, Kathryn CDC Master Teacher
 Wertenberger, Tracy Senior Secretary
 Williams, Doris Grants Accounting Supervisor
 Williams, Pamela High Technology/Access Specialist
 Ybarra, Veronica CDC Assistant
 Young, Janet Student Services Assistant
 Young, Scott Media Assistant



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COMPLIANCE STATEMENT

West Hills College does not discriminate on the basis of race, color, national origin, sex (including sexual harassment), handicap (or disability), or age in any of its policies, procedures, or practices, in compliance with Title V of the Civil Rights Act of 1964 pertaining to race, color, and national origin; and Title IX of the Educational Amendments of 1992. Section 504 of the American Disabilities Act of 1990 pertaining to handicap; and the Age Discrimination Act of 1975 (pertaining to age). This nondiscrimination policy covers admission and access to, and treatment and employment in, the College's programs and activities, including vocational education. Inquiries regarding the equal opportunity policies, the filing of grievances, or grievance procedures covering discrimination complaints may be directed to: Ken Stoppenbrink, Affirmative Action Officer Coordinator, West Hills College, 300 Cherry Lane Coalinga, CA 93210 (559) 935-0801 OR 1-800-266-1114.

The lack of English language skills will not be a barrier to admission and participation in the college's vocational education programs. West Hills College recognizes its obligation to provide overall program accessibility throughout the college for handicapped persons. Contact the Section 504 Coordinator to obtain information as to the existence and location of services, activities, and facilities that are accessible to and usable by handicapped persons. Inquiries regarding Federal laws and regulations concerning nondiscrimination in education or the District's compliance with those provisions may also be directed to: Office for Civil Rights, U.S. Department of Education, 221 Main Street, Suite 1020, San Francisco, California 94105

West Hills College Is An Equal Opportunity-Affirmative Action Employer

DECLARACION DE CUMPLIMIENTO

West Hills College no discrimina por razones de la raza, el color, la nacionalidad, la edad, el sexo (incluso el vejamen sexual) o la incapacidad en ninguna práctica, política ni procedimiento según mandan las leyes del Título VI del Acta de Derechos Civiles de 1964 (que tiene que ver con la raza, el color y país de origen). Título IX de la Enmienda de la Ley de Educación de 1972 (que tiene que ver con el sexo), la Sección 504 del Acta de Disabilities American de 1990 (que tiene que ver con las personas incapacitadas) y el Acta Contra la Discriminación por Razones de Edad de 1975. Esta política contra la discriminación abarca la entrada y el acceso al colegio, y el trato y el empleo en los programas y las actividades de WHC, incluyendo la educación vocacional. Para mayores informes sobre la política de oportunidad equitativa en el empleo, la manera de archivar una queja, o los procedimientos sobre las quejas en cuanto a la discriminación, sírvase dirigirse a: Ken Stoppenbrink, Affirmative Action Officer, West Hills College, 300 Cherry Lane, Coalinga, CA 93210 (559) 935-0801 ó 1-800-266-1114.

El hecho de no hablar o escribir inglés no le impide participar en los programas vocacionales de WHC. WHC reconoce su obligación de ofrecer todo el acceso y toda la ayuda que sean necesarios a las personas incapacitadas. Sírvase comunicarse con la coordinadora de la Sección 504, para mayores informes acerca de la existencia y el lugar de los servicios, las actividades y las facilidades a los cuales tienen acceso y los cuales pueden ser empleados por personas incapacitadas.

Puede dirgir también cualquier pregunta acerca de las leyes y los reglamentos federales antidiscriminatorios en la educación o acerca del cumplimiento del distrito con esas provisiones a: Office for Civil Rights U.S. Department of Education 221 Main Street, Suite 1020 San Francisco, California 94105

West Hills College Ofrece Empleo En Forma Equitativa Y Cumple Con Las Leyes Y Relamentos De La Accion Afirmativa En El Empleo.