

MOORPARK COLLEGE

CATALOG

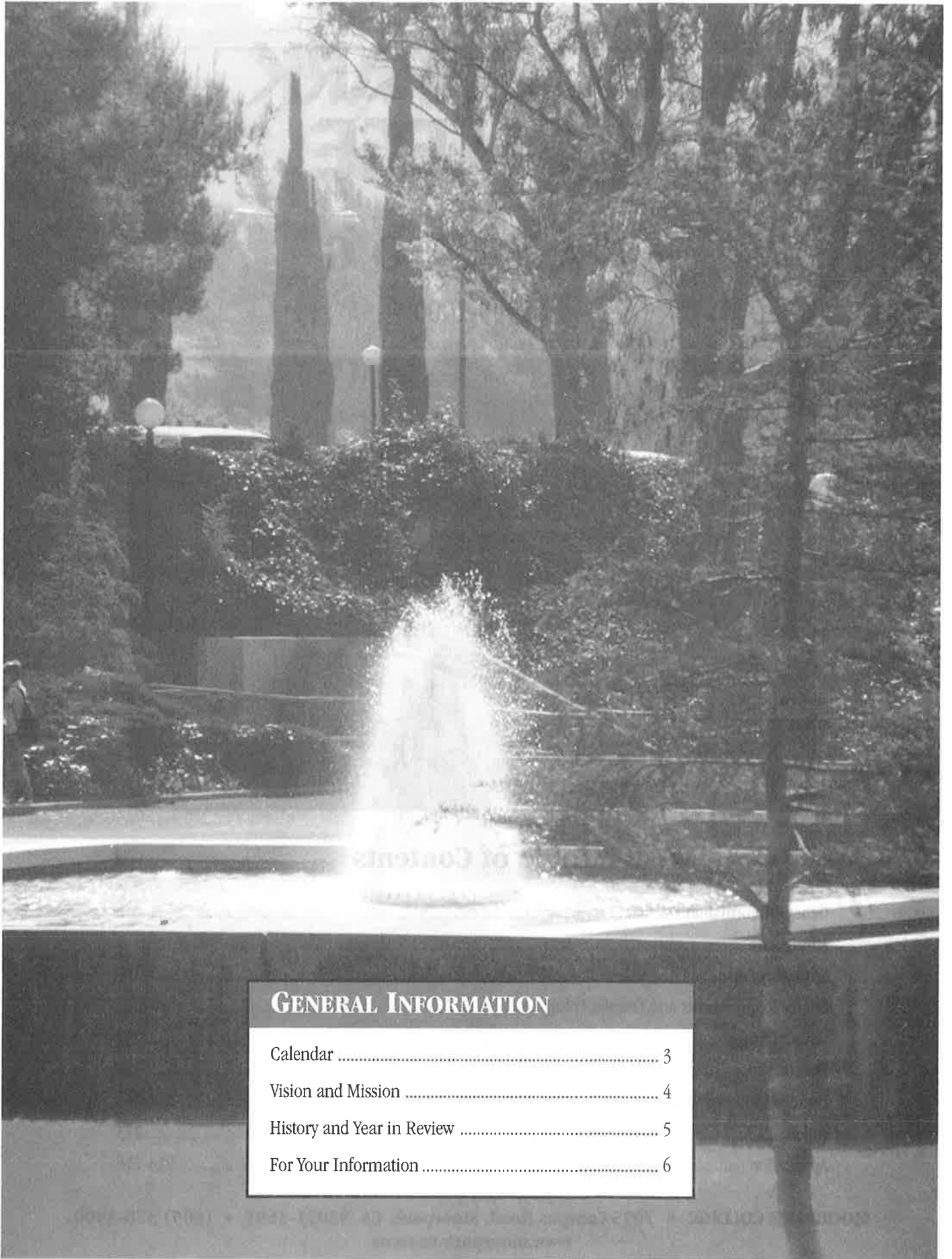
1999-2000



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MOORPARK COLLEGE • 7075 Campus Road, Moorpark, CA 93021-1695 • (805) 378-1400
www.moorpark.cc.ca.us



GENERAL INFORMATION

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COLLEGE CALENDAR



FALL SEMESTER, 1999

August 16 - December 15, 1999

FALL 1999	
REGISTRATION	See Schedule of Classes.
August 16	First day of instruction. First day of late registration.
August 27	Last day to add semester-length classes. Last day to drop a class and apply for enrollment fee, health, and parking refunds. Last day your account is credited if you drop a class. No refunds or credits after this date.
September 6	Labor Day - legal holiday.
September 10	Last date to drop semester-length classes without a transcript entry.
September 21	Last date to declare Credit/No Credit grading option for semester-length classes.
November 12	Veterans Day - legal holiday.
November 19	Last date to drop semester-length classes with a "W" grade. Last day to apply for Fall 1999 Associate Degree or Certificate of Achievement.
November 25 & 26	Thanksgiving vacation.
SPRING 2000	
REGISTRATION	See Schedule of Classes.
December 9-15	Final examinations, Fall semester.
December 15	End of Fall semester.

SPRING SEMESTER, 2000

January 12 - May 17, 2000

January 12	First day of instruction. First day of late registration.
January 17	Martin Luther King's Birthday - Legal Holiday.
January 26	Last day to add semester-length classes. Last day to drop a class and apply for enrollment fee, health, and parking refunds. Last day your account is credited if you drop a class. No refunds or credits after this date.
February 4	Last date to drop semester-length classes without a transcript entry.
February 18 & 21	Presidents' Days - legal holidays.
February 17	Last date to declare Credit/No Credit grading option for semester-length classes.
March 31	Last day to apply for Spring 1999 Associate Degree or Certificate of Achievement.
April 14	Last date to drop semester-length classes with a "W" grade.
April 17-21	Spring Break.
SUMMER SESSION	
REGISTRATION	See Schedule of Classes.
May 11 - 17	Final examinations, Spring semester
May 17	Graduation. End of Spring semester.

Summer Session, 2000

Please consult the Summer Session Class Schedule for beginning and ending dates of specific classes. A registration calendar and deadline dates for Summer will also be found in the Class Schedule.

VISION AND MISSION

Vision Statement

At Moorpark College we encourage quality and believe our strengths have been and will continue to be people - their flexibility, responsiveness, and willingness to meet the needs of students. It is our belief that we must continue to build on these strengths to provide an educational experience that is appropriate to the students' needs and within the college's mission.

Specifically, we believe that:

- Whatever services, programs, and opportunities we provide for students, they will be the best.
- Creativity and innovation should be encouraged and we will not be afraid to try new ideas and new things.
- All students attending Moorpark College will receive necessary support to meet their individual educational goals.
- Students who wish to transfer to four-year institutions will be provided with up-to-date and accurate information to facilitate transfer.
- We should increase our responsiveness to business and industry in changing economic climates.
- The College should be perceived as an integral part of the community it serves.
- Shared governance will become an accepted part of our decision-making process.
- We should be striving to build greater trust, understanding, and cooperation between the other segments of the Ventura County Community College District and Moorpark College.

Mission Statement

As a public community college, Moorpark College is devoted to the democratic ideal of making higher education accessible to all. Accordingly, Moorpark College is committed to providing a dynamic learning environment and to achieving student equity by providing a campus climate conducive to student success. Recognizing the diverse backgrounds, needs and goals of its students, Moorpark College is committed to preparing students for citizenship in a free society and for meeting the challenges of technological and socio-economic change.

Moorpark College is committed to providing affordable programs and services to the community. This responsibility is shared by the faculty, staff, administrators, and students as they interact with business, industry, government, and other educational institutions.

Moorpark College is committed to provide:

- An introduction to the broad areas of human knowledge and understanding by providing appropriate learning environments.
- Curriculum and services that support entry into the baccalaureate program of their choice.
- The training needed for entry into career as well as retraining and skills improvement.
- Support services to promote opportunities for success.
- Transitional courses needed for additional development before entry into transfer, occupational, or general education programs.
- The skills of critical thinking, writing, speaking, listening, and computing.
- Courses to increase awareness and respect for diversity.
- Extracurricular activities that encourage involvement in the campus community, develop leadership skills, and support special interests.



INTRODUCTION

History

The Governing Board of the Ventura County Community College District legally established Moorpark College in 1963. Soon after, a 134-acre site on Moorpark's eastern city boundary was secured in a combination donation/purchase from the Strathearns, a local ranching family.

In 1965, taxpayers passed an \$8 million bond to build the first phase of the district's second community college. Construction of the Administration, Library, Science, Technology, Campus Center, Gymnasium and Maintenance buildings began in 1966. With the paint barely dry and remnants of construction rubble still evident, Moorpark College opened on September 11, 1967. The college's first president, Dr. John Collins, greeted nearly 1,400 students and 50 new faculty members on that day.

Enrollment doubled in the first few years as the college added vocational education to its role of preparing students for transfer to four-year schools. Dr. Robert Lombardi became the college's second president in 1971. Dr. Ray Hearon was the longest serving president, from 1974-1989.

The Moorpark College Foundation was formed in 1980 to spearhead construction of an athletic stadium, amphitheater and observatory. In 1985, the 4,000-seat stadium was named for Paul Griffin, Jr., a local developer and major benefactor. In 1987, the Carlsberg Amphitheater and Charles Temple Observatory were dedicated as part of the college's 20th anniversary celebration. Once again the buildings were named for benefactors, the amphitheater for a development company and the observatory for a private citizen.

During the 1980s, several new buildings went up: Applied Arts, Creative Arts, Humanities/Social Science, Music, and Student Services.

Dr. Stanley Bowers served as president from 1989-1991, followed by Roger Boedecker, who served from 1991-1992. Dr. James Walker became president in 1992, but was called away to serve as interim chancellor in 1995. Dr. Darlene Pacheco served as interim president during Walker's absence from 1995-96.

Fiscal constraint, brought about by the state's economic downturn, stalled growth at the college in the early 1990s. Despite hard times, college officials were able to complete a new Communications Building in 1991 and a Performing Arts Center in 1995. Co-curricular programs were strengthened throughout the 1990s. The forensics team maintained national ranking while the athletic teams continued to dominate the Western State Conference.

In 1997, construction began on a new Math/Science Building. The Child Development Center was expanded and the Disabled Students program, which serves 600 students each semester, was relocated to an upgraded facility. Computer labs are sprouting up around campus and all buildings have been retrofitted with fiber-optic cabling. The college website is visited by thousands of students per year.

Transfer statistics boast that virtually no local community college does a better job of preparing students for the university than Moorpark College.

Now serving more than 13,000 students per semester, Moorpark College has become one of the top community colleges in the nation. Moorpark College graduates are making meaningful contributions to both the public and private sectors in Ventura County, the state and the nation.

1998 - The Year in Review

- January** - History Professor Daniel Patrick Brown was honored as 1997-98 "Distinguished Faculty Chair."
- February** - The Nursing Program's accreditation was renewed with no suggestions for improvement.
- March** - A \$180,000 acoustic shell was installed on the Main Stage of the Performing Arts Center.
- April** - The Math/Science/Engineering Association was honored by the State Chancellor as one of the most successful student groups in the state.
- May** - The Accounting Department of the State University at Northridge released a study showing that transfer students from Moorpark College ranked highest in its program.
- June** - Forensics Professor James Wyman received the California Community College Forensics Association President's Award.
- July** - Two conference rooms were built in the Campus Center.
- August** - The Child Development Center was accredited by the National Association of the Education of Young Children, a prestigious designation granted to only five percent of all pre-schools in the U.S.
- September** - The first annual Gilbert and Sullivan festival in Simi Valley was dedicated to Musical Theater Professor Marilyn Anderson.
- October** - Moorpark College employees pledged \$10,000 to United Way.
- November** - America's Teaching Zoo announced its female lion was named Savannah by the Boys and Girls Club of America.
- December** - The Moorpark College Foundation announced three new members joined the Board.



General Information

FOR YOUR INFORMATION

STUDENT DATA - FALL 1998

Enrollment:

Full-time	8,257	
Part-time	4,608	
Male	5,741	55.4%
Female	7,124	44.6%
TOTAL	12,868	

Student Age:

Under 20	16.1%
20-24	45.5%
25-29	11.7%
30-39	13.0%
40-49	9.3%
Over 50	5.4%

Ethnicity:

Asian	7.1%
Black	1.7%
Filipino	1.4%
Hispanic	13.4%
Native American	1.2%
Other	1.5%
Pacific Island	0.4%
White	64.4%
Unreported	8.6%

FINANCIAL AID

Total financial aid awarded	\$1,961,954	1997/1998
Total scholarships awarded	\$41,734	1997/1998

DEGREES 1997/1998

Associate Degrees Awarded	969
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INTERNATIONAL STUDENT DATA FALL 1998

<u>Students enrolled</u>	253
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Countries Represented:

Bolivia, Bulgaria, Cambodia, Canada, Colombia, Denmark, Ecuador, England, Fiji, Finland, France, Germany, Holland, Hungary, India, Indonesia, Iran, Japan, Korea, Lebanon, Malaysia, Mexico, Peru, Philippines, Russia, Sweden, Taiwan, Thailand, Turkey, Vietnam.

FACULTY

Full-Time	160
Full-Time with Doctorates	37
Part-Time Faculty	370

DISTINGUISHED FACULTY CHAIR - 1998-99

Professor James Stemen Music



Teresa Resto,
Re-Entry Student

As a returning adult student, I chose Moorpark College to gain skills to begin a career in Microcomputer Applications. Each of the classes I took involved hands-on computer experience that was very beneficial. My thanks and appreciation to all at Moorpark College for aiding me in becoming skilled for the future.

Ryan Gessell,
Transfer Student

Moorpark College has great teachers; teachers who work with you on a personal level. Moorpark College offers a great general education, at an affordable price.



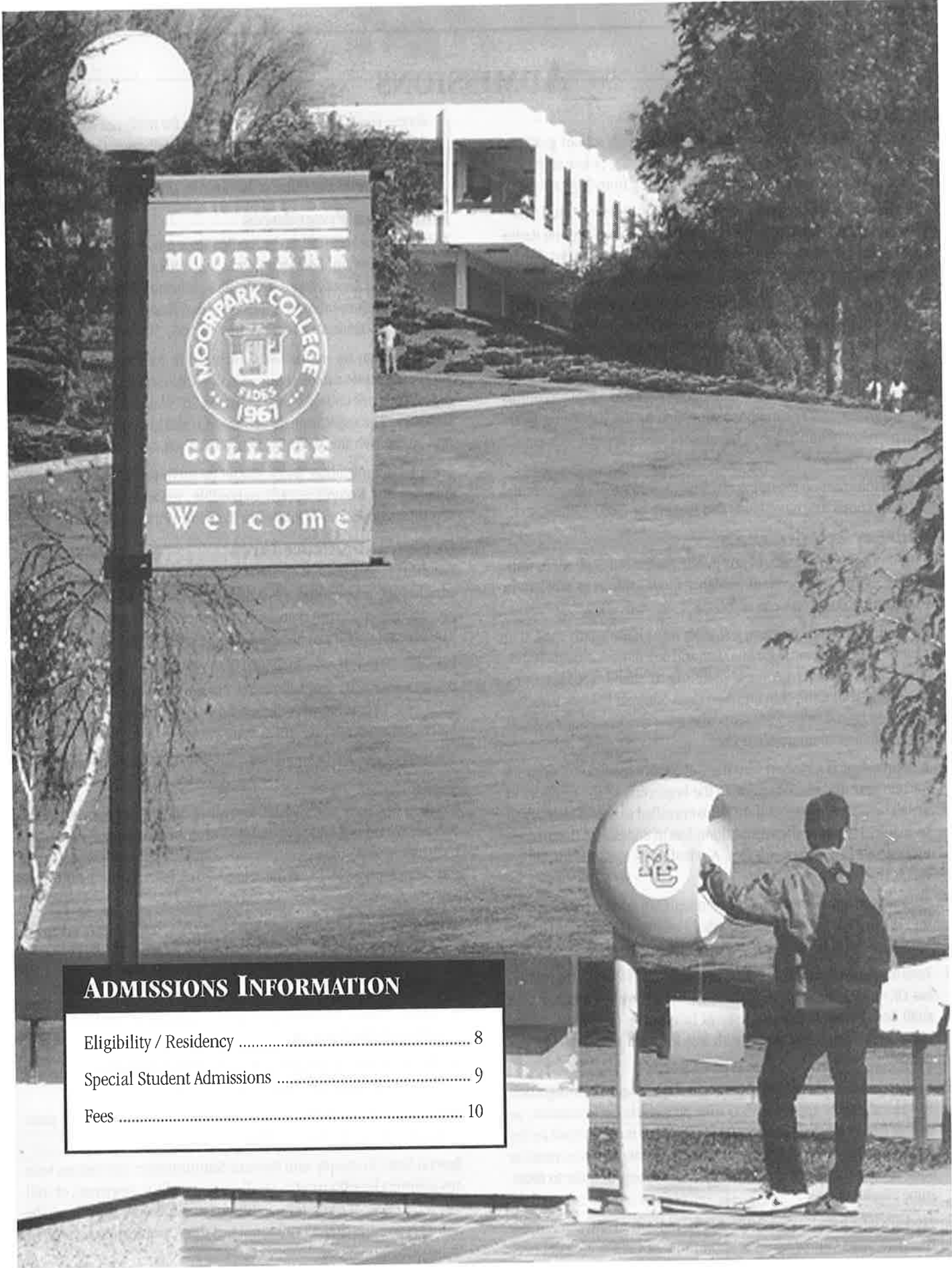
Jaime Guevara,
VP Associated Students

Thanks to the ESL program at Moorpark College I was able to begin my college career even though I could not speak English. Now I'm a Math/Engineering major planning to transfer to a university to become a civil engineer.

Catalogs are printed once per year and are available at the Moorpark College bookstore. To mail order copies of the catalog send a check for \$ 6.00 each to Auxiliary Services, Moorpark College, 7075 Campus Road, Moorpark, CA 93021.

Schedules are printed each semester and are available on-campus and at public libraries.

Each schedule and catalog is also posted on the college's website at www.moorpark.cc.ca.us.



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ADMISSIONS

Eligibility

Admission to Moorpark College is open to any high school graduate, anyone possessing a high school proficiency certificate, or any adult eighteen years of age or older and capable of profiting from instruction.

Moorpark College offers specialized programs in Exotic Animal Training/Management, Nursing, Health Information Technology and Radiologic Technology, which require special admissions procedures. For further information refer to the Announcement of Courses.

A student is eligible to attend Moorpark College if his/her legal residence is within California. Students entering any of the public community colleges of California are subject to the residency requirements as determined by the State of California.

Students whose legal residence is in another state or in a foreign country may be admitted under conditions stipulated by the Governing Board and on payment of tuition fees, a schedule of which appears in Appendix IX

Additional information regarding residence requirements may be found below or by contacting Admissions and Records at (805) 378-1429.

Residency Requirements

The right of a student to attend any public community college in California is conditioned by certain residence qualifications as set forth in the California Education Code as follows:

1. To qualify as a state resident, a student must have legally resided in California continuously for one year and one day prior to the beginning of the semester he/she is planning to attend. (Students who have resided in California for more than one year but less than two years, see item 6 below.) Students who meet residence requirements are not subject to nonresident fees.
2. A nonresident is a student who has not legally resided in California for one year and one day prior to the beginning of the semester in which he/she plans to enroll. Students classified as nonresidents shall be required to pay nonresident tuition fees in addition to the mandatory enrollment and health fees. A schedule of nonresident tuition fees is shown in Appendix IX.
3. Military personnel and/or their dependents are advised to check with the Office of Admissions and Records for additional information pertaining to the determination of their legal residence.
4. International students (F-1 visa) and holders of nonimmigrant visas (B, C, D, E, H, L, M, O, P, Q) are classified as nonresidents and shall be required to pay nonresident tuition fees in addition to the mandatory enrollment and health fees for each semester of attendance.
5. Persons residing in the United States on Department of Immigration & Naturalization approved visas may be eligible for admission, as well as residence classification. Such eligibility is determined by the type and status of the visa issued. Proof of current visa status must be submitted to the Office of Admissions and Records in order to determine eligibility.
6. Students who have lived in California for more than one year but less than two years will be asked to show proof of California legal resi-

dence. The burden of proving eligibility for residence status lies with the student. Failure to present such proof will result in a nonresident classification. A complete listing of acceptable proofs of residence is available from the Office of Admissions and Records.

Admission Procedures

A student who is enrolling for the first time must complete an application for admission. Former students who attended prior to 1986 must also complete the admission application. Students who attended between 1986 and the present may update their enrollment status by contacting the Office of Admissions and Records at (805) 378-1429.

An application for admission is included in the back of this catalog. Additional copies can be obtained at the Office of Admissions or by writing to Moorpark College Public Relations, 7075 Campus Road, Moorpark, CA 93021. The application for admission is also in the Schedule of Classes and on our web site at (www.moorpark.cc.ca.us).

Completed application forms should be submitted to the Office of Admissions and Records as early as possible. Applications may be filed at any time. Admissions is located in the Administration Building.

Registration Procedures

Detailed registration instructions and procedures for all methods of registration are printed in the Schedule of Classes which is available approximately one to two months prior to the beginning of each semester. The Schedule of Classes also contains the calendar of registration dates.

Late registration is permitted into open classes during the first week of the semester. Adds into full classes require the written consent of the instructor. Beginning with the second week of the semester, class adds and registration require written approval of the instructor.

Students receive credit for classes attended only if officially enrolled.

Transcripts

Students who have attended any accredited college or university or military service school and who wish to enroll in Moorpark College must have official transcripts of all previous college or university work or military service school on file at the college if they fall into any of the following categories:

1. Plan to work for a degree or certificate;
2. Plan to participate in intercollegiate athletics;
3. Plan to apply for veteran's benefits (see "special note" below);
4. Were placed on academic probation or dismissed from the last institution of attendance; or
5. Are a veteran claiming benefits or a veteran planning to apply for veteran's benefits (see "special note" below).

These transcripts must be sent directly from the institutions(s) previously attended to Moorpark College.

Special Note: To comply with Veterans Administration regulations, veterans claiming benefits must have all previous college, university, or military service school transcripts on file before subsistence benefits can begin. This requires that all units, not just those acquired under previous VA benefits, be claimed.

SPECIAL STUDENT ADMISSIONS

High School Student Admission

In accordance with the California Education Code, high school juniors and seniors are permitted to enroll in college courses as Special High School Admission students. Enrollment fees are waived for Special High School Admission students. All other fees apply.

In order to qualify and register for Special High School Admission, students must have the written permission of a parent (or guardian) and their high school principal or counselor.

Moorpark College grants college credit only.

International Student Admission

An international student is anyone enrolled for courses in the United States who is neither a permanent resident nor a citizen of the United States. Most international students who intend to study full time in the United States will have an F-1 visa. Persons holding immigration visas should report to the International Students Office to determine their eligibility for enrollment to the college. Call: (805) 378-1414.

Admission Requirements (F-1 visa student only)

Prior to admission, international students must submit the following documents for evaluation to the International Student Specialist:

1. \$50 Application Processing Fee;
2. Personal letter indicating why you wish to attend Moorpark College;
3. Completed Moorpark College Application;
4. Translated transcripts from any secondary/postsecondary schools;
5. Letter of Recommendation from an official at a previous school;
6. Transfer form (only if student is transferring from a school in the U.S.);



Dave Zieper,
High School Student

By completing the necessary series of courses at Moorpark College while still in high school, I was able to get a terrific head start on college. I graduated from MHS in June 1998 and entered UCLA in September 1998 with 70 transferable units!



Lorena Maciel,
International Student

Moorpark College helped me achieve my goals in Interior Design. I'll be happy to go back home to Paraguay with skills acquired on this campus.

7. Demonstrat proficiency in the English language (TOEFL score of 450 or higher is recommended or completion of Level 109 at any ELS Language Center will satisfy the English language requirement for admission);
8. Completed Foreign Student Information Application;
9. Completed Foreign Student Agreement; and
10. Completed Foreign Student Financial Statement.

Prior to enrollment in classes, foreign students must complete or provide the following items to the International Student Specialist:

1. Completed Health Statement/Tuberculosis skin test (Mantoux);
2. Proof of major medical insurance coverage, (insurance may be purchased through the International Students Office);
3. Interview with International Student Specialist;
4. Attend orientation for new foreign students;
5. Take English and math placement tests;
6. Provide passport and I-94

Limitations on Enrollments

In order to foster cultural exchange, the District encourages ethnic and national diversity among the student body. Due to the District's space limitations and to the special educational needs of foreign students, the Ventura County Community College District reserves the right to limit the number of international students admitted each year.

Veterans

The programs of Moorpark College are approved for veterans educational benefits. Please contact the Veterans Benefit Specialist located in the Administration Building or at (805) 378-1400, ext. 1852.



STUDENT FEES

Enrollment Fee (mandatory) \$11 per unit

Nonresident Tuition (In addition to enrollment fee)

Out of State \$117 per unit

International Students \$117 per unit
(International Student Capital Outlay Surcharge ... \$14 per unit)

Health Fee (mandatory) \$11 per Sem./\$8 per Sum.

Parking Fee

A daily or longterm parking permit is required in all lots on campus. "One-Day Use Permits" are \$1.00. These permits must be displayed on the dash of the vehicle and parking is then permitted in all student lots. One-Day Permits can be obtained from machines located on the main driveways of the campus.

Semester Fee, Automobile \$30.00

Semester Fee, Motorcycle 21.00

Classes meeting 6-11 weeks, Auto 21.00

Classes meeting 6-11 weeks, Motorcycle 12.00

Classes meeting 1-5 weeks, Auto 9.00

Classes meeting 1-5 weeks, Motorcycle 6.00

Second Vehicle Permit (requires presentation of vehicle registration) 6.00

Replacement Permit (requires proof that original permit was purchased) 5.00

Combination of two permits (not less than) 36.00

Carpool permit 25.00 per Sem./\$10 per. Summer

Students who receive financial assistance pursuant to any of the programs described in subsection (g) of Education Code Section 72252 shall be exempt from parking fees in excess of \$20 per semester. CITATIONS WILL BE ISSUED FOR VEHICLES WITHOUT A VALID PERMIT.

Instructional Materials Fee

Some courses require an instructional materials or lab fee. These fees are listed in the Schedule of Classes.

Enrollment Verification Fee

Verifications of enrollment for insurance and other purposes are provided for \$3.00 per verification. Verifications are completed within five to seven working days of the signed student request. Rush (24-hour) service is available for \$5.00 per verification.

Transcript Fee

Two official transcripts are furnished to each student free of charge. A \$3.00 fee is charged for each additional transcript. Normal processing time is 7-10 working days but may be longer at the end of the semester. All requests for transcripts must be in writing and include the student's signature. Rush transcripts are provided 24 hours after submission of a signed student request. A \$5.00 per transcript rush processing fee is charged.

Transcripts cannot be released if the student has any outstanding fees and/or obligations due the District.

Payment of Fees

All mandatory fees are due at registration. Students are not dropped from classes for nonpayment of fees. Nonpayment of fees will prevent access to services the student may require, such as transcripts or verification of enrollment. Financial aid may be available to students who need help paying their fees. Contact the Financial Aid Office for details.

Outstanding Obligations

Registration, transcript, and enrollment verification services are denied to students who have outstanding obligations, such as returned checks, library fines, overdue financial aid loans or unreturned athletic equipment. Students who have received a Federal Family Education Loan are obligated to an exit interview.

Enrollment and Parking Refunds/Credits

Applications for refund of fees may be made through the end of the class adjustment period as stated in the Schedule of Classes. Enrollment fees will be refunded minus a \$10.00 administrative fee. Applications for refunds are available in the Records Office or Business Office and must be made by the refund deadline. Refund checks are mailed within four to six weeks. No cash refunds. Students who officially drop a class or withdraw from school by the refund deadline will have their account credited. Students who do not request a refund may use the credit toward a future fee. A credit balance may not be used to buy books or supplies.

Students unable to come to campus to file a refund application may write a letter stating which class or classes are to be dropped. It must be postmarked by the refund deadline date. Only these official actions will make the student eligible for a refund or credit.

Nonresident Tuition and International Student Refunds

Eligibility and amount of these refunds are determined by the date the student officially applies for a refund through the Office of Admissions and Records.

No refunds shall be authorized beyond the third week of summer session or beyond the fourth week of the regular semester.

Refunds are based on the table of refunds which appears in Appendix IX. The refund will be made by check from the District Administrative Services within a reasonable time following official notification.

The following schedule of refunds will be in effect for nonresident students who withdraw from college:

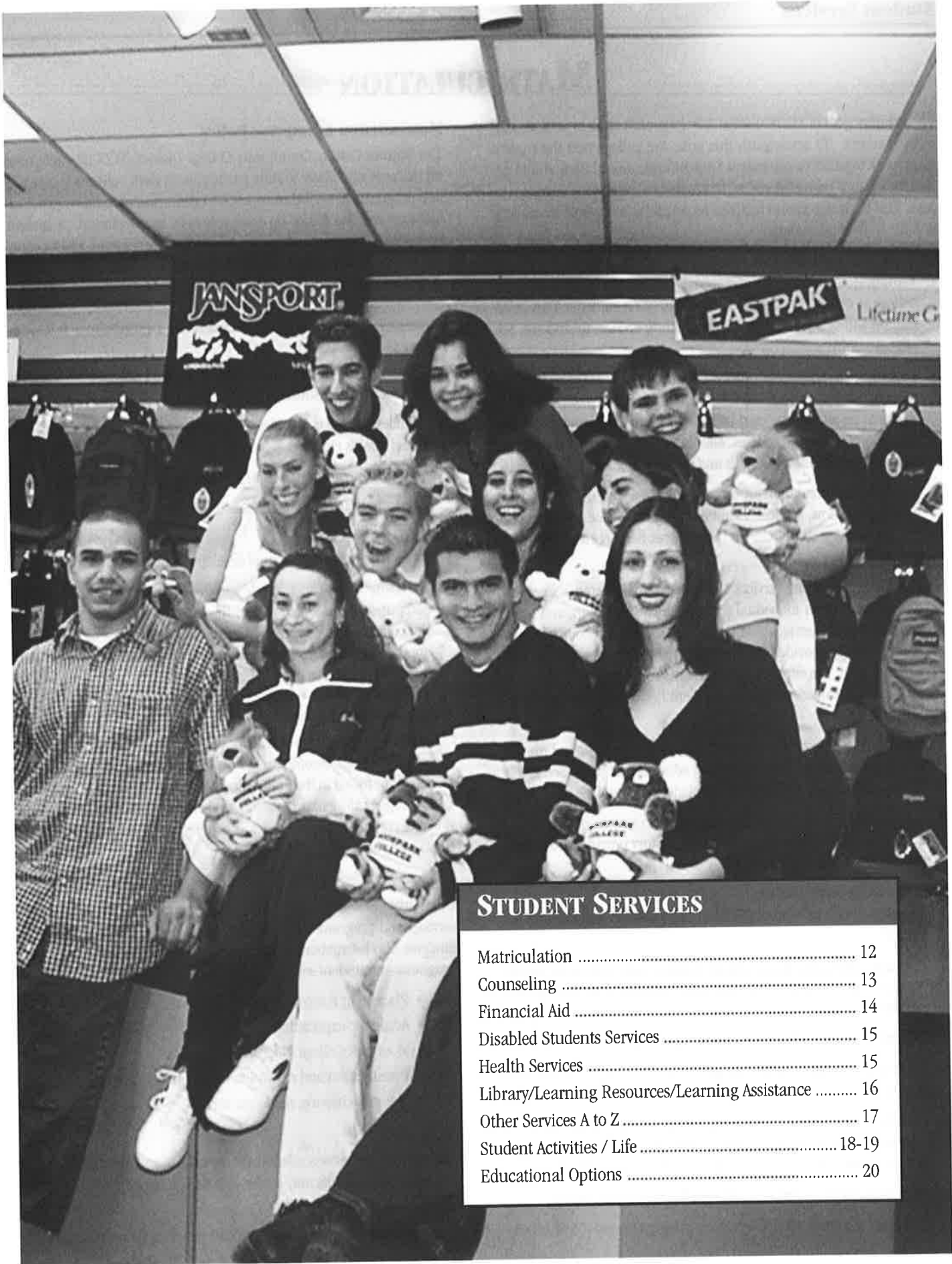
Fall or Spring Semester

1st week	100% of Tuition
2nd week	75% of Tuition
3rd week	50% of Tuition
4th week	25% of Tuition

Summer Session

1st week	100% of Tuition
2nd week	50% of Tuition
3rd week	25% of Tuition

International students please see Appendix X.



STUDENT SERVICES

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MATRICULATION

The primary goal of Matriculation is to help each student achieve academic success. To accomplish this goal, the college and the student must work together to generate a Student Educational Plan and to define the various processes and activities that will lead to academic success. This basic agreement includes responsibilities for both the college and the individual student.

College Responsibilities Include:

1. Providing an admissions and records process that will enable the college to collect state required information on students. This information will be used as a basis for providing services to students. See page 8.
2. Providing an assessment process using multiple measures to determine academic readiness in English, Reading, and Math. These assessment results will be used by the college to assist students in the selection of academic courses. Additional assessments are available in areas of study/learning skills and vocational interest. See page 16.
3. Providing an orientation process designed to acquaint students with college programs, services, facilities and grounds, academic expectations, and college policies and procedures. See **orientation** information below.
4. Providing counseling services to assist students in course selection, development of an individual student educational plan, and use of campus support services. Additional advisement and counseling assistance will be provided for students who have not declared an educational goal, are enrolled in basic skills courses, are on academic probation/dismissal, or have been identified as high-risk students. See page 13.
5. Establishing a process to monitor a student's progress and provide necessary assistance toward meeting educational goals. See **Early Alert** on this page and Probation Policies on page 189.
6. Providing students with or directing them to written district procedures for challenging matriculation regulatory provisions. See **Matriculation Exemption Policy** below.

Student Responsibilities:

1. Submitting official transcripts from high schools and colleges attended.
2. Acquiring and reading the college catalog, class schedules, handouts, and other student materials which detail college policies and procedures.
3. Indicating at least a broad educational goal upon admission.
4. Declaring a specific educational goal after completing a minimum of 15 units.
5. Participating in assessment, orientation, counseling/advisement services and other follow-up support services deemed necessary by the college in order for students to complete their stated educational goals.
6. Attending all classes and completing all course assignments.
7. Completing courses and maintaining progress toward stated educational goals.

Matriculation Exemption Policy

The Ventura County Community College District (VCCCD) encourages all students who apply to fully participate in each college's matriculation program. At a minimum, each student must participate in the admissions and the follow-up components of matriculation. A student, however, may be exempt from the assessment, orientation, and/or counseling/advisement component of matriculation if one or more exemption criteria are met.

Exemption Criteria for Assessment, Orientation & Counseling/Advisement:

1. A student who holds an associate (or higher) degree from a regionally accredited institution.
2. A student who has completed fewer than 15 units and whose educational goal is either:
 - a) To advance in current job/career (update job skills)
 - b) To maintain a certificate or license (e.g., nursing or real estate)
 - c) To pursue educational development (intellectual or cultural)
3. A student who is concurrently enrolled at two or more of the VCCCD campuses only needs to receive the matriculation services at one of the colleges; to be exempt from the testing portion of assessment, appropriate scores from a recently taken VCCCD-approved assessment instrument must be provided.

Filing Exemption Status:

A student who wants to decline or postpone one of the matriculation components must complete a Matriculation Verification Form. These forms can be found in the Counseling Office (Administration Building). Questions regarding matriculation, student education plans and exemption criteria can be answered by any counselor or matriculation specialist on campus.

Orientation

Orientation provides basic information regarding Moorpark College's services and programs as well as students' rights and responsibilities. Students also learn about transfer and degree requirements, vocational programs and student services. Other topics include:

- Placement advice
- Academic expectations
- Moorpark College's facilities
- Investigation and resolution of student complaints/problems
- Tips on achieving academic success

Early Alert

Early in each semester students who are having academic difficulty are notified so the students may confer with their instructor and receive additional assistance or direction.

Other services inform and direct students who may be on academic probation to appropriate services and assistance programs.

COUNSELING AND GUIDANCE

A variety of counseling services is available on a day and evening basis to Moorpark College students. Through a coordinated guidance program, counselors assist students with their academic planning and also in career and personal matters. An outgrowth of these services is the group of counselor-taught Personal Growth courses.

Counselors representing major areas of study perform four principal functions: (1) assistance in planning academic programs for transfer; (2) assistance in ensuring progress toward the A.A./A.S. Degree; (3) assistance in the selection of courses which meet the requirements of a specific major; and (4) assistance in interpreting assessment tests related to career development.

The Personal Growth classes conducted by members of the counseling staff are designed to fulfill two primary purposes; (1) to aid students in academic, personal and social adjustment; (2) to provide guidance in the matter of career development. Call: (805) 378-1428.

Academic Counseling

Accurate information about program requirements and course prerequisites is essential for planning courses of study. Counselors serve as valuable resource people in helping select appropriate classes. It is their concern to keep abreast of any changes that may affect completion of majors, general education and/or transfer requirements.

If a student has not selected a major field of study, the student is encouraged to meet with a counselor to develop an educational plan and to identify a major.

Students interested in transferring to four-year colleges and universities are assisted in selecting appropriate courses and majors that fulfill lower-division transfer requirements.

Students may arrange for academic advising through the Counseling Center in the Administration Building. It is advisable to call for a counseling appointment. For students who may drop by for help with an academic problem, there is usually a counselor available at the counter in the Counseling Center. Please call (805) 378-1428 for the drop-by schedule.

Career Counseling

The Career Development program offers a variety of services and resources designed to aid students in the process of choosing, changing or confirming career goals.

A series of occupational interest and personality assessments are available at a nominal cost through the PG 2 courses.

Students are encouraged to use the career resources in the college library in researching chosen or tentative career goals. These materials, written as well as audio visual, represent the local, state and national job markets and are constantly updated in order to provide current and relevant planning aids. Additional career information is available in the Career Transfer Center.

Personal Counseling

Moorpark College, consistent with its stated philosophy of providing a comprehensive education, and backed by supportive services, offers its students a unique opportunity to explore concerns and life situations which affect learning and personal growth with a professional counse-

lor. A pleasant, confidential, and unhurried environment is provided.

Getting the maximum benefit out of going to college sometimes involves complications that influence direction. Students are encouraged to come to the counseling area where a concerned, professional counselor will be there to assist with non-academic concerns. The services of a licensed psychologist are available to students on a limited basis. Contact the Health Center for further information at (805) 378-1413.

Career Services

Career Services (CS), located in the Campus Center, works with eligible, targeted students to assist them in accessing short term training for high demand occupations. CS provides guidance in approved course registrations and referral to college support services. The CS staff is experienced in helping students meet program guidelines for CalWORKS and Workforce Development Programs. The center may be reached by calling (805) 378-1400, ext. 1667.

Transfer Center

Moorpark College offers assistance to those students who wish to transfer to four-year colleges and universities, or who need to identify a major. Activities of the Center include:

Workshops offered throughout the year on a variety of topics related to transfer, careers, and college success.

Publication of a monthly calendar, distributed throughout the campus, indicating Center activities, university representative visits, and important deadlines.

Assistance with reference materials including catalogs, articulation agreements, campus videos, and computerized career information.

Assistance with university admissions and financial aid.

Scheduling and coordination of all four-year representatives' visits including Transfer Days. Call: (805) 378-1551.

If an advanced degree is in your future, the Moorpark College Transfer Center can assist you in a smooth and successful transition to a four-year college or university.



FINANCIAL AID / EOPS

Financial Aid

Financial assistance is based on the student's need for help in successfully pursuing an educational program. Eligibility is determined by a Department of Education-approved system which calculates the difference between the ability of students and their families to provide for their financial needs and the amount required to meet educational expenses while attending college.

The policy of the Ventura County Community College District is in compliance with the provisions of the Civil Rights Act of 1964 in Title IX of the Educational Amendments of 1972 in that no financial aid applicant will be discriminated against on the basis of race, religion, color, national origin, marital status, age, sex, or physical impairment.

Financial Aid eligibility in some programs requires a minimum of six (6) units of enrollment each semester. Continued eligibility requires successful completion of contracted units with a cumulative grade point average of 2.0 or above. Please refer to the Financial Aid Satisfactory Academic Progress Standard located in the Financial Aid Office.

Types of aid available include grants, loans, and work study.

Grants

Grants are awarded to students who meet specific eligibility requirements. Grants are available in varying amounts of assistance and do not call for repayment. The grant programs are the Pell Grant, the Supplemental Education Opportunity Grant (SEOG), and the Cal-Grant which is funded and awarded by the State.

Loans

Students may qualify for loans through Moorpark College, where loans are incorporated as part of the regular financial aid package. The loans bear a variable interest capped at 8.25 percent on the unpaid balance. Interest is not charged nor payment required on some loans until six months after the borrower ceases to be at least a half-time student. Repayment of loans may be scheduled over a 10-year period.

Work Study Program

A limited number of part-time jobs on and off campus are available to students who qualify on the basis of need. Under this program students are assigned work which is often in the nature of on-the-job training; the pay for the work is a portion of the students' financial aid packages.

Students interested in applying for financial aid should visit or write the Financial Aid Office to obtain an application and detailed instructions. Phone: (805) 378-1462.

Scholarships

Student Activities Office (805) 378-1434 provides applications for a variety of scholarships that are available to Moorpark College students throughout the year. The scholarships are advertised on a specified bulletin board inside the Campus Center. Eligibility for scholarships depends on a number of things, including but not limited to scholastic achievement, financial need, and field of study. All students are encouraged to check scholarship opportunities.

Extended Opportunity Program and Services (EOPS)

Moorpark College conducts an EOPS Program that offers two basic types of assistance to students from low-income families: (1) financial assistance in the form of grants and loans, including summer grants and short-term emergency loans, and (2) educational support services. The support services include the following:

- Academic advisement and assessment
- Specialization counseling
- Early registration
- Educational plan
- Tutoring referrals
- Job placement
- Health services
- Transfer assistance
- Scholarship

The goals of the EOPS Program are to motivate economically and socially disadvantaged students to pursue higher education at Ventura County community colleges and to assist them in transferring to four-year colleges and universities. The EOPS staff is comprised of a coordinator, a secretary, and a counselor assistant, all of whom are dedicated to the program's goals of providing services.

There are four steps to the application procedure:

- Step 1: Complete the Free Application for Federal Student Aid (FAFSA) and/or Pell Grant applications for financial assistance. Apply early. (See the following section for financial aid information.) Assistance in filling out these forms is available at the EOPS Office.
- Step 2: Complete the EOPS Form 1 information sheet.
- Step 3: Make an appointment for an interview at the EOPS Office.
- Step 4: Provide proof of family income. A copy of Federal Income Tax Form 1040A or 1040 is required in order to document parents' past year income.

In order to qualify and be eligible for EOPS, a student must meet the following conditions:

1. Be a resident of California,
2. Be a full-time student,
3. Be eligible to receive a Board of Governors (A or B) Grant
 - a. Be on AFDC or SSI/SSP or General Relief or be eligible for Deceased/Disabled Veterans' Dependent Fee Waiver or
 - b. If employed, last year's family income can not exceed \$17,000 for a family of four (add \$1,000 for each additional dependent).
4. Have not completed more than 70 units,
5. Be educationally disadvantaged by one of the following criteria:
 - a. High school GPA below 2.50
 - b. Been previously enrolled in remedial courses
 - c. Not eligible to enroll in Math 3 or
 - d. Not eligible to enroll in Engl 2 or
 - e. Non high school graduate
 - f. Member of underrepresented group or
 - g. First generation college student
6. The student must be making normal progress towards a goal, certificate, or degree as determined by the college, with a satisfactory average of "C" or better for each semester.
7. Each EOPS student must regularly attend tutorial counseling, vocational orientation, and the three EOPS individual appointments.

Further program details and advisement on application procedures are available from the EOPS Office. Phone: (805) 378-1464.

DISABLED STUDENTS / HEALTH SERVICES

Disabled Students Program & Services

Moorpark College offers special programs and services for students who have permanent physical or learning disabilities. The purpose of these programs is to provide equal opportunity in the educational process and to help students with disabilities become integrated into the total student body.

The college is free of architectural barriers. Elevators have been installed in all two-story buildings. Special ramps, handrails and automatic doors have been installed. Additionally, every effort has been made to remove educational barriers and provide open access to students with disabilities to all educational programs. The following special services are offered:

- Interpreter serv. for hearing impaired
- Note taking services
- Adaptive Computer Technology
- Reader services
- Transcribing services
- Special equipment including:
 - Tape recorders
 - Print magnifiers
 - Closed circuit television
- Specialized tutoring
- Registration assistance
- Test proctoring
- Special parking areas
- Academic career guidance
- Calculators
- Adapted computers
- Large print materials

The Disabled Student Support Center

The Center is located next to the Campus Center. Phone: (805) 378-1461; TDD (805) 378-1461; Fax: (805) 378-1594.

Learning Diagnostic Center

The Learning Diagnostic Center assists learning-disabled students with essential tools needed for success in their classes. The students' problems are diagnosed and accommodations and strategies are recommended.

Accommodations for academic classes can be provided by making arrangements with instructors. The center provides personalized tutorial assistance, educational advisement and program planning. The center is located next to the Campus Center. Phone: (805) 378-1461.

High Tech Center for the Disabled

The High Tech Center uses assistive computer technology to give disabled students access to IBM personal computers. Special hardware and software provide computer access for physically disabled, blind, and deaf students. Among the assistive devices in the Center are a voice recognition dictation system, screen enlarger, screen reader, and print magnification system. There is also a special headset designed for students who cannot use a mouse manually.

Special skills development computer programs are available for students with acquired brain injuries and learning disabilities. The center provides individualized computer instruction in keyboarding, memory, critical thinking, reading, vocabulary, English, spelling, and mathematics. Word processing, multimedia reference materials, and access to the Internet are also available.

Computer courses offered include: Windows 95, Word for Windows, and a self-paced keyboarding course. The High Tech Center is located in AA132. Phone: (805) 378-1547.

Health Services

The Student Health Center (SHC), located in the Administration Building, is dedicated to helping each student realize and maintain the highest degree of physical, social, and emotional health possible. A registered nurse is available daily and during evening hours for Emergency and First Aid Treatment, Health Counseling and Referral, various Health Screening, and Immunizations. Our Self Care Center provides over the counter medication and self care information for your immediate needs.

Specialty Services provided include: General Practitioner, Women's Clinic, Psychotherapists and Dermatologist. Appointments are necessary for these services. Phone: (805) 378-1413.

Student Accidents, college-related, need to be reported within 72 hours of occurrence. It is the student's responsibility to report the accident to an instructor, college trainer, or SHC. All student accident reports and insurance claims are processed through the Health Center. A Health Office Assistant will help you with your accident report and insurance claims and will answer any questions.

Optional Health Insurance and Optional Dental Insurance applications are available in the Health Center.

Drug Free Campus Policy - see appendix VIII. (Confidential and non-punitive help is available through the Student Health Center.)



Learning Resources Center

The Learning Resources Center, the focal point of the campus for instructional support, combines the services of the College Library, the Audio-Visual Services, and the Center for Learning Assistance Services (CLAS).

Library

The Moorpark College Library occupies the first floor of the centrally located library building. The collection and facilities are designed to meet the curriculum needs of the college community.

The library collection includes approximately 65,000 books, more than 350 periodical subscriptions, and 249 periodical titles on microfilm. Also available are audio cassettes, video tapes, phonograph records, and compact discs.

The library reference collection includes traditional research materials and also includes such resources as pamphlet files, college catalogs, an extensive collection of career and scholarship information, several computerized subject indexes to periodical articles and numerous other computer-driven resources available on workstations in the reference area. Interlibrary loan service is available to borrow materials owned by other libraries. Professional librarians are on duty to assist students with research projects and to provide instruction in the use of library resources.

Individual study carrels, a group-study room, and an Internet Lab are provided for student use. The library has coin-operated photocopy machines and microfilm reader/printers.

Library materials may be checked out to registered Moorpark College students, faculty, and staff. The loan period for most materials is two weeks. Items on reserve for courses are available at the library circulation desk and may be requested by instructor's last name.

The library hours are Monday through Thursday, 8:00 a.m. – 8:30 p.m.; Friday, 8:00 a.m.-4:30 p.m. and Saturday, 9:00 a.m.-2:00 p.m.

Summer hours differ. Phone: (805) 378-1450.

Center for Learning Assistance Services (CLAS)

The Center for Learning Assistance Services provides a comprehensive program of academic support services for Moorpark College students. The Center is located on the second floor of the Library room L-222.

There are four main service areas: Essential Skills, Academic Skills Materials, Tutorials, and the Computer Lab. Phone: (805) 378-1556.

ESSENTIAL SKILLS

Small group and individualized instruction are provided through Essential Skills (ES) courses provided by the Essential Skills instructors. Diagnostic assessment, advisement, and specialized assistance are provided and multimedia and computer-aided instructional techniques and materials are used. Courses are offered in reading, writing, math, study skills, and American-English pronunciation.

Enrollment in Essential Skills courses is on an easy entrance/easy exit credit/no credit basis any time during the semester. The descriptions of

these classes are presented in the Essential Skills course descriptions appearing in the Class Listing section of the catalog.

ACADEMIC SKILLS MATERIALS

Course-related materials for supplemental use are available in multimedia format including videos, tapes and computers.

TUTORIALS/SUPPLEMENTAL INSTRUCTION

This service offers one-on-one, small group, and course-related tutoring by qualified, instructor-referred tutors at no charge. The tutors are well-qualified student peers who have been referred by instructors from the specific disciplines.

COMPUTER LAB

The computer lab is used for instructional lessons in reading, writing, math, study skills, speed reading, and vocabulary development. Students must be enrolled in a related course to use the facility.


International Student Support Services

Moorpark College is authorized by the Immigration and Naturalization Service to admit international students. The purpose of the International Student Office is to assist our international students while they are in the United States. International students are encouraged to visit or telephone the office if they have any questions and concerns. The International Student Office provides a range of services such as:

- Admission & registration assistance
- Immigration regulation & documentation
- Employment
- Housing assistance
- Liaison between student & faculty
- Campus activities
- Community activities
- Personal concerns
- Health insurance
- Orientations

The International Student Office is located in the Administration Building. Phone: (805) 378-1414.

Moorpark College Library
is
INTERNET CENTRAL
For Students



- The internet classroom is the place for internet access on campus
- It features 16 public access stations with printing available
Hours: 8:00 a.m. to 8:30 p.m.

Mon.–Thur., 8:00 a.m. to 4:30 p.m. Fri., and 9:00 a.m. to 2:00 p.m. Sat.

(SUMMER HOURS DIFFER)

OTHER SERVICES A TO Z

Bookstore

The Raider Bookstore carries in stock the textbooks and supplies needed in all the classes offered each semester. Used texts can be purchased at considerable savings. Students may return books for refunds, provided they follow a clearly specified policy which is well publicized. There are book buy-back periods offered each semester when books in usable condition may be sold back by students. The bookstore also stocks a variety of goods and sundries most used by college students. Phone: (805) 378-1436.

Business Office

This is the place where you may pay fees, report any problems you may have with vending or game machines, buy postage stamps, get change and, in general, handle your cash transactions, pay parking tickets and purchase and pick up parking permits. Phone: (805) 378-1437.

Cafeteria / The Food Court

Meet your friends here for breakfast, a hot lunch, refreshment breaks, and good times. The inviting, relaxed atmosphere provides a favorite gathering place between classes. At times when the Food Court is closed, vending machine items are available. Phone: (805) 378-1439.

Child Development Center

The Moorpark College Child Development Center is a Nationally Accredited developmentally appropriate program with a curriculum designed for children from the ages of 2 years 9 months to 5 years old. This facility is located on campus in the Applied Arts Building, room AA 142 and is available for children of registered students, staff/faculty and community.

For a fee, schedules may be arranged for a MINIMUM of 2 half-day sessions to a maximum of 5 half-day sessions. Arrangements can be made for extended care in the early morning, lunch time and the early afternoon. *Because space is very limited, students need to complete the application well in advance of the current semester.* Phone: (805) 378-1401 for more information.

Computer Labs (open access)

Enrolled students have access to computers for Internet research and word processing. Research, word processing, database and spreadsheet projects can be completed in the computer labs located in the Technology Building when classes are not in session and a technician is present. The new Life Science/Math/Computer Studies (LMC) building houses a 48-station lab, dedicated to open access and available for all projects. It is open Monday-Saturday. Permits to use the labs are available for a small fee in the Business Office.

Copiers

Coin operated copy machines are available for student use in the Campus Center and the Library.

Grades By Phone

Grades are available by phone four weeks after the end of each semester. Phone: (805) 378-1595.

Info-Line

The Moorpark College Info-Line is a fast and easy way to obtain current recorded information about the college's programs and services. The Info-Line offers over one hundred messages you can hear 24 hours a day from any touch-tone phone. To begin, phone: (805) 378-1597.

Lost and Found

Students who lose belongings on campus should check for possible recovery of missing items. The switchboard in the Administration Building serves as a collection point for lost and found items. Phone: (805) 378-1400.

Public Transportation

The VISTA bus service operates throughout the Conejo Valley with daily stops at Moorpark College. This is an affordable, convenient and comfortable way to travel to and from the campus. You may purchase a discounted student bus pass at the Business Office, phone: (805) 378-1437. Bus schedules are available inside the Campus Center student lounge. For VISTA, phone: (800) 438-1112.

Women's Center

The **Mary Baird Women's Center**, located upstairs in the Library Building (L-241), is a place for students, women and men, to meet people and take advantage of the services and support available. Comfortable chairs and a library of books, magazines, and pamphlets on a wide variety of women's issues are available.

The Center sponsors various activities throughout the semester, such as noontime lectures and discussions as well as special evening presentations. In addition, staff is available for referrals to other campus and community services. A Family Law Clinic and a general law clinic are also offered. Phone: (805) 378-1492 for more information.

World Wide Web

The Moorpark College website posts every schedule and catalog, as well as many faculty and department home pages.

Log on at www.moorpark.cc.ca.us.



STUDENT ACTIVITIES

Student Activities

The Student Activities Office provides a collection of student services that are supportive in enhancing the quality of student life at Moorpark College. We provide local student housing information, as well as employment opportunities for students, both on and off campus. We advise the Associated Students. We provide a diverse student activities program and organize events such as blood drives, club days, job fairs, speakers programs, and the annual commencement ceremonies. Please stop by and see us at the Campus Center. Phone: (805) 378-1434.

Scholarships

The Student Activities Office is located inside the Campus Center and provides applications for a variety of scholarships available to Moorpark College students. Announcements of scholarships are posted on a special bulletin board in the Campus Center. Eligibility for scholarships depends on a number of things, including, but not limited to, scholastic achievement, financial aid, and field of study. All students are encouraged to check scholarship opportunities.

Housing

The Student Activities Office maintains a housing bulletin board in the Campus Center lobby, with listings of rooms and houses for rent in the surrounding communities. If you would like to place an ad on the housing board, please create an ad on a 3"x5" index card and mail it to the Student Activities Office, 7075 Campus Road, Moorpark CA 93021, Attn: Housing Board. We will place it on the housing bulletin board for 30 days at no charge.

Student Employment

Students may now access job opportunity information off the World Wide Web from the Internet. Internet address is: <http://www.jobtrak.com:80/>. The user name and password prompt for Moorpark College listings is the word "Raiders." If you do not have access to the Internet, the same job listings are posted on bulletin boards inside the MC Campus Center. Additional job announcements are available on the "Career Center" bulletin board, located inside the Student Lounge at the Campus Center. If you would like to place an ad on the employment opportunity board, please call (800) 999-8725. The ad will be posted on the Internet and at Moorpark College.

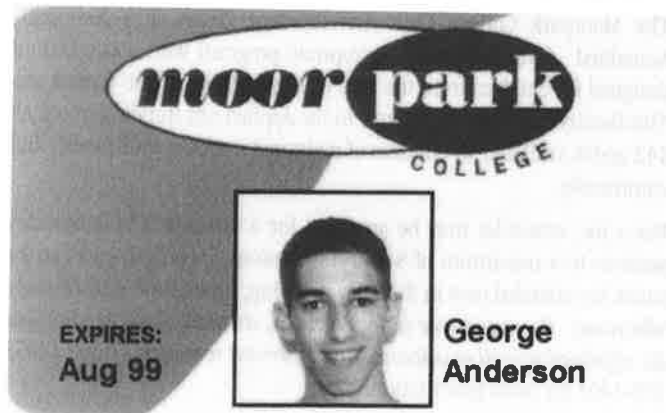


Associated Students

Every registered student at Moorpark College is a member of the Associated Students. Each spring semester, the Associated Students elects a Board of Directors. The elected ten-member student Board of Directors represent Moorpark College students on campus, district and state-wide committees. The Associated Students objectives are to support the diversity of needs and views of students, and to provide for the expression of student opinion on issues affecting student life. The Associated Students funds campus events that are sponsored by student organizations such as speakers, seminars, cultural shows and live entertainment. The Associated Students Office is located inside the Campus Center. Phone: (805) 378-1400, ext. 1635.

Associated Student College Photo I.D. (\$10/semester or \$15/year)

The college photo I.D. card may be purchased at the campus Business Office for \$10/semester or \$15/year. Once you have paid at the Business Office, please bring the receipt to the Associated Students office in the Campus Center and have your picture taken. A photo I.D. card will be made for your use to receive discounts at local movie theaters, college athletic events, and college theatrical performances, in addition to using the card for campus services. Phone the Associated Students at (805) 378-1400, ext. 1635.



Student Representation Fee (optional)- \$1.00

This fee provides support for students or representatives who state positions and viewpoints before city, county and district governments, and before offices and agencies of the state and federal governments. Authorized by Education Code, Section 76060.5, this fee may be waived for religious, political, financial, or moral reasons. Waiver forms are available at the campus Business Office and the Associated Students Office. Phone the Associated Students Office at (805) 378-1400, ext. 1635.

Student Organizations

There are a number of student organizations at Moorpark College, including the Accounting Society, Alpha Gamma Sigma Honor Society, Alpha Mu Gamma (Foreign Language Honor Society), Black Student Union, MEChA, International Students, and MESA (Science). If you would like information about existing organizations, or are interested in starting a new organization, phone the Associated Students Office at (805) 378-1400, ext. 1635.

STUDENT LIFE

Opportunities

Forensics Team

Moorpark College has established a reputation for having an excellent forensics program. The College's forensics teams consistently give outstanding performances in speech and debate tournaments at regional, state and national contests. Moorpark has earned championships at all levels repeatedly for several years. Students who are interested in participation in this program should contact one of the forensics coaches, Dr. James Wyman, Char Arnold, or Rolland Petrello. Phone: (805) 378-1433.

Intercollegiate Athletics

Moorpark College offers a wide variety of sports programs to men and women who are interested in competing on an intercollegiate athletic level.

The college fields teams in volleyball, tennis, basketball, soccer, softball, track, and cross country for women and in football, soccer, basketball, wrestling, cross country, track, and baseball for men. The Raider athletic teams compete in the Western State Conference, one of the finest conferences in California.

It is significant to note that every sport — minor as well as major — enjoys equal status at Moorpark College. This philosophy is clearly demonstrated by the college's success in the Western State Conference Athletic Supremacy race, which awards the conference's best overall athletic program. Moorpark has been a consistent winner in this competition, with outstanding records of performance in all sports.

Raider athletes are fortunate to attend a college which boasts both a beautiful campus and first-rate athletic facilities. Among the facilities are the Raider Pavilion, home of the Raider basketball, volleyball, and wrestling teams; a driving range and putting green for golf; tennis courts; many challenging cross country courses; excellent baseball and softball diamonds; and a comprehensive track and field stadium. Griffin Stadium provides the Moorpark College gridiron squad a great home field.

To compete in intercollegiate athletics, students must meet the eligibility requirements of the Western State Conference, which includes enrollment and attendance in 12 units of study and a 2.0 grade point average. Varsity sports are competitive and require an advanced degree of skill. Students must be willing to devote extra time to traveling to matches and practicing.

The intercollegiate sports teams are all under the supervision of the college Athletic Coordinator. Phone: (805) 378-1457.

The Performing Arts Program

Opportunities at Moorpark College include nine different instrumental and vocal performance organizations which invite student and community participation. They are the Concert Choir, Moorpark Community Orchestra, Opera Theatre, Jazz Ensemble, Chamber Ensembles, Wind Ensemble, Piano Ensemble, In-Motion Dancers, and Los Robles Master Chorale. All the organizations are offered during the academic school year with the exception of the Piano Ensemble which is offered only in the spring semester, and the Summer Music Theatre. In addition, the

Moorpark Community Orchestra continues to meet during the summer. These performance organizations offer students a wealth and variety of musical performance possibilities which take place both on and off campus. For correct scheduling information check your current Schedule of Classes.

Students interested in the Theater can participate on stage or behind the scene in dramatic productions, musical comedies, the student-written One-Act Play Festival, Summer Performing Arts Festival, improvisation workshops, directing workshops and technical theater crews. For more information phone: (805) 378-1433.



Entertainment

Athletics

Watch Moorpark College's Raider teams in action. For game schedules phone: (805) 378-1457.

Charles Temple Observatory

Moorpark College's on-campus observatory is situated in an area with minimal light pollution! For information on public astronomy programs contact the Ventura County Astronomical Society at (805) 529-7813 or www.serve.net/vcas.

Exotic Animal Training Program

AMERICA'S TEACHING ZOO is one of only two collegiate animal training programs in the United States. The zoo is open for shows and tours on weekends. For information contact the zoo at (805) 378-1441 or www.vc.net/gwbiz.

Performing Arts

THE PERFORMING ARTS CENTER, completed in 1996, provides a state-of-the-art setting for band, choral, dance, opera, orchestra, speech and theater productions each year. For information and reservations, phone: (805) 378-1485.

EDUCATIONAL OPTIONS

Whether your educational goal is to obtain a college degree or vocational certificate, transfer to a university, update your workplace skills or take a class for the joy of learning, Moorpark College is a great place to start.

Course Selection

Moorpark College offers more than 1,500 classes in 100 programs during the fall and spring semesters, and hundreds over the summer session.

Scheduling Options

Classes are held days, evenings and weekends, on campus and at four local high schools. Choose from full semester or short-term classes, one-day seminars, or *Fast Track* (accelerated) classes.

Distance Education

Some Moorpark College courses are offered on-line, by television or via distance learning (students meet in small groups at mutually convenient times and locations).

FOR SPECIFIC INFORMATION ON ALL OF THE ABOVE EDUCATIONAL OPPORTUNITIES CONSULT THE SCHEDULE OF CLASSES.

Instructional Options

Scholar Transfer and Enrichment Program (STEP), an Honors Program

STEP will provide students a rigorous learning experience that encourages independent and creative thought, will enhance the students' critical reading, writing and thinking abilities as tools for achieving further academic success, and will prepare students for transfer to four-year institutions.

All students are eligible to enroll in an honors course if they have completed the designated prerequisite course with an A or B. This policy ensures open admission to honors courses.

Students who apply for admission to the program and meet the exit criteria of the program will receive special recognition both at Moorpark College and at transfer universities. Please phone (805) 378-1400, ext. 1631 for more information.

Interdisciplinary Courses

Interdisciplinary courses are designed to provide the student with credit meeting general education requirements in more than one area of study. These courses are team-taught by two or more teachers and present the student with ideas from different points of view by individuals who have studied and been trained in the particular disciplines included in the course. Different combinations of courses are available for varying units of credit. Consult the class schedule for particulars.

The Internship Program

Students have the opportunity to earn graded college credit by working in a volunteer or paid position that is related to their career goal and/or major. Students receive one unit of credit for each 60 hours of unpaid or 75 hours of paid work, and may enroll in up to 4 units a semester, with a maximum of 16 units total. The student must also attend an orientation, develop three learning objectives, complete a project or report related to the internship, and maintain signed verification of internship hours. The student meets with a faculty advisor who supervises the internship and awards the grade.

Some internships are available through the Internship Office, or the student can apply to receive credit for an existing position if it involves new or expanded learning.

The Internship Office is located in the Campus Center next to the bookstore. Please call (805) 378-1400, ext. 1668 for more information.

Learning Community Institutes

The Learning Community Institutes connect solid learning experiences to real-life opportunities in the fields of Health Sciences, Media Arts or Liberal Studies (teaching). Courses are linked by each Institute's common theme. Students earn transferable credit and may be able to earn an associate's degree as well.

Students move together as a group in a two-year learning direction, providing an atmosphere of collaboration and exchange.

See more information in the Schedule of Classes or consult the following: Health Science Institute: Denise Byrne (805) 378-1400, ext. 1624; Media Arts: John Gray (805) 378-1400, ext. 1875; Liberal Studies: Linda McDill (805) 378-1400, ext. 1659.

Study Abroad Program

In 1988 Moorpark College began to offer students the option of taking regularly scheduled classes at either the Moorpark Campus or at a site in a foreign country. Two main types of programs are available, one lasting an entire semester, and the other, shorter term, covering a six-week summer session or winter/spring breaks.

All courses are taught by two instructors, selected each year from among the Moorpark College faculty. The content of these classes is identical to the same classes taught on the Moorpark Campus. The classes taught abroad meet State of California requirements concerning transferability, General Education, and History and Institutions. Financial assistance is available to qualified students.

Company Specific Education and Training Program

Moorpark College offers customized education in eastern Ventura County designed to the direct specifications of business and industry needs. Most of the courses offered provide elective college credit. Employees of the companies taking these courses are also encouraged to enroll in the regular college programs to earn certificates and degrees. Call: (805) 378-1405.

Air Force ROTC (AFROTC) Program

Air Force ROTC is a college-level program designed to select and train highly-qualified men and women to become commissioned Air Force officers. AFROTC offers two different programs, a four-year and a two-year program. To enter AFROTC, an individual must have at least two years of college remaining, which may include graduate study. In addition, the individual must be a United States citizen prior to entering the last two years of the program, be able to pass an Air Force medical exam, be of high moral character, and be in good academic standing in school.

Students can attend any accredited college and still take ROTC at one of the program locations through extension. For more information, call a ROTC unit listed below.

- UCLA (310) 825-1742
- USC (213) 740-2670
- Loyola Marymount (310) 338-2770

COURSES LISTING

Reading Course Descriptions

The section that follows is brief description of every course in the Moorpark College curriculum. Included with each description is information regarding the unit value of the course, the weekly hours or total hours of the course meetings, and the transfer status of the course. In the case of those courses for which there are prerequisites (i.e., previous preparation of some nature is required), such prerequisites are stated before the course description is given.

The transfer status of the course with regard to the California State University and College system (CSU) and the University of California system (UC) is indicated following the course description. The course may be accepted for credit by the CSU system only, by both the CSU and UC systems, or by neither system. For some courses there are limitations to the credit granted in the UC system. It is emphasized that the limitations apply to the UC system only; each credit limitation is explained. In those instances where UC transfer credit is shown as pending, a counselor should be consulted. Should no transfer credit statement appear following a course description, that course is not acceptable for credit at any of the California public four-year institutions and, normally, not acceptable at private or out-of-state institutions as well.

ACCOUNTING

See courses in Business

ADAPTIVE COMPUTER TECHNOLOGY

See courses in Learning Skills

ANATOMY

See courses in Biological Sciences

ANTHROPOLOGY

Training in anthropology will prepare one for any career that involves working on the interface between two cultures. Specialized preparation in this subject can lead to some of the world's most interesting work -- the study of existing life-ways, archaeological excavation and interpretation, primate behavior, and social research into economics, politics, law, religion, art and music.

Career Opportunities

Careers in anthropology are diverse, specialized, and related to the various areas of concentration which are offered at four-year colleges and universities:

Archaeologist-Federal/State/Private, Environmental Impact Analyst, Health Researcher, Urban Planner Assistant, Cultural Resource Management, Recreation Specialist, Expedition Guide, Population Analyst, Travel Consultant, Tour Guide, Museum Curator, Exhibit Designer

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Full-Time

John Baker, Robert Lopez, Thomas McAdam, Jack Reynolds

Part-Time

Diane Brabant, Charles Eastman, Nadine Mandel-Toren, Paul Mattson, Michele Titus

Counselor

Mike Johnson

Archaeology Degree

Associate in Arts Degree

This is a specialized program designed to award a designated associate degree to those students who have completed a course of specialization in Archaeology. At no time is this program intended to be used as a license for independent unsupervised archaeological research. Rather it is a program designed to introduce students to archaeological research and to give them the opportunity to actively participate in supervised archaeological research. These requirements were also chosen to optimize students' preparation for upper-division course work in Anthropology/Archaeology offered by four-year institutions. Since course work in Anthropology/Archaeology is somewhat sequential at most four-year institutions, students may spend less time earning an Associate in Arts Degree and/or Bachelor of Arts Degree by deferring some of the university general education requirements until their Junior and Senior years and giving priority to the requirements for a major in Archaeology. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards active participation in archaeological research projects.

Required Courses:

Units

AREA A: Core courses in Anthropology, in the order recommended, for a total of 10 units.

ANTH M03	.....	Archaeology	.....	3
ANTH M02	.....	Cultural Anthropology	.....	3
ANTH M01	.....	Physical Anthropology	.....	3
ANTH M01L	...	Physical Anthropology Lab	.....	1

AREA B: Practical courses in Archaeological methodology for a total of 9 units. Courses may be repeated two times in this area.

ANTH M05	.....	Archaeological Field Methods	.....	3
ANTH M10	.....	Archaeological Reconnaissance	.....	3
ANTH M12	.....	Archaeological Laboratory Procedures	.....	3

AREA C: Electives for a total of 18 units selected from the following courses. Those courses indicated below by (2X) may be repeated two times.

ANTH M05	.....	Archaeological Field Methods (2X)	.....	3
ANTH M10	.....	Archaeological Reconnaissance (2X)	.....	3
ANTH M12	.....	Archaeological Laboratory Procedures (2X)	.....	3
ANTH M60C	...	Indians of California	.....	3
ANTH M60I	...	The Chumash and Their Neighbors	.....	3
ANTH M60R	...	Anthropological Research Methods (2X)	.....	3
ANTH M60S	...	Introductory Archaeological Field Methods Supervision (2X)	.....	3

BIOL M05	.....	Field Biology	.....	3
GEOG M06	.....	Map Use and Interpretation	.....	2
GEOI M04	.....	Mineralogy	.....	4
GEOI M21	.....	Geology of California	.....	3
PHOT M01A	...	Beginning Photography	.....	3

TOTAL minimum units required in major area 37

See Degree Requirements and Transfer Information section for General Education requirements.

Anthropology Courses

ANTH M01 -- 3 Units

Physical Anthropology

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Focuses on human evolution and diversity, including genetics, evolution, primatology, paleontology, human variation and biocultural adaptation. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ANTH 2*

ANTH M01L -- 1 Unit

Physical Anthropology Lab

Prerequisite: Completion of or concurrent enrollment in ANTH M01

Class Hours: 3 lab

Provides hands-on understanding of principles of evolution and genetics. Covers comparative vertebrate anatomy, modern and fossil hominids, primatology, variation in modern human populations, medical genetics and adaptability. Introduces molecular biological methods. *Applies to Associate Degree. Transfer credit: CSU, UC pending.*

ANTH M02 -- 3 Units

Cultural Anthropology

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Focuses on basic concepts and methods for analyzing cultural systems, including the structure and evolution of human behavior. Examples primarily drawn from non-western societies. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ANTH 4*

ANTH M03 -- 3 Units

Archaeology

Prerequisite: None

Class Hours: 3 lecture

Introduces the history and goals of archaeology, emphasizing methods of interpreting and dating the prehistoric past through the rise of complex societies as seen both in the New World and in Ventura County. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ANTH 6*

ANTH M04 -- 3 Units

Chicano Culture

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Focuses on the social and cultural heritage of the middle American Chicano civilizations from the Spanish conquest to present-day America, emphasizing their contributions in the fine arts, literature, and oral history. (Same course as Chicano Studies M02). *Applies to Associate Degree. Transfer credit: CSU; UC*

ANTH M05 -- 3 Units

Archaeological Field Methods

Prerequisite: Completion of or concurrent enrollment in ANTH M03

Class Hours: 1 lecture, 6 lab

Focuses on expanding existing knowledge of archaeological inquiry with practical emphasis on actual site excavation and primary sorting of artifacts. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC (maximum credits units)*

ANTH M06 -- 3 Units

Introduction to Native American Studies

Prerequisite: None

Class Hours: 3 lecture

Surveys the origins, development, and attainments of Native Americans within the United States. *Applies to Associate Degree. Transfer credit: CSU; UC*

ANTH M07 -- 3 Units

Peoples and Cultures of the World

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Surveys various world peoples and cultures, emphasizing different survival strategies and the resulting effects on social structures, belief systems, and economic organization. *Applies to Associate Degree. Transfer credit: CSU; UC*

ANTH M09 -- 3 Units

Anthropology of Women

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Explores women's roles, stereotypes and contributions, past and present, drawing examples from traditional and contemporary world cultures and from relationships among gender, kinship, economics, politics, myth and ideology. *Applies to Associate Degree. Transfer credit: CSU; UC*

ANTH M10 -- 3 Units

Archaeological Reconnaissance

Prerequisite: Completion of or concurrent enrollment in ANTH M03

Class Hours: 1 lecture, 6 lab

Offers practical application of archaeological field research skills (discovery, evaluation, and recording of cultural resources). Introduces use of a compass; evaluation of soil, terrain formations, plant resources, and urban disturbance; and practice of various reporting techniques. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

ANTH M11 -- 3 Units

The Anthropology of Magic, Witchcraft and Religion

Prerequisite: None

Class Hours: 3 lecture

Focuses on societies' attempts to deal with the supernatural by exploring religion as a fact in nature, the Shaman as a religious specialist, religious classification across cultures, ethnomedicine, and the relationship between science and religion. *Applies to Associate Degree. Transfer credit: CSU; UC*

ANTH M12 -- 3 Units

Archaeological Laboratory Procedures

Prerequisite: ANTH M03

Class Hours: 1 lecture, 6 lab

Offers hands-on work with archaeological collections, including the initial processing, sorting, washing, stabilizing and cataloging of artifacts. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

**ANTH M22A/B -- 0.5 to 3 Units Each
Independent Studies in Anthropology**

Prerequisite: A previous course in Anthropology

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of anthropology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**ANTH M60A-Z – 1 to 3 Units Each
Topics in Anthropology**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:

**ANTH M60C -- 3 Units
Indians of California**

Prerequisite: None

Class Hours: 3 lecture

Offers a multidimensional look at the aboriginal inhabitants of California before and since European contact. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**ANTH M60I -- 3 Units
The Chumash and Their Neighbors**

Prerequisite: None

Class Hours: 3 lecture

Offers an in-depth look at the Chumash, Ventura County's major aboriginal population, emphasizing their social, political, and economic structure as well as their relations with aboriginal neighbors and the Spanish Colonial establishment. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**ANTH M60J -- 3 Units
Egyptology: Archaeology of the Land of the Pharaohs**

Prerequisite: None

Class Hours: 3 lecture

Emphasizes the historical and cultural development of ancient Egypt as seen through archaeological contributions. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**ANTH M60R -- 3 Units
Anthropological Research Methods**

Prerequisite: A previous course in Anthropology

Class Hours: 2 lecture, 3 lab

Introduces selected aspects of anthropological research strategies and tools through work on actual research projects. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**ANTH M60S -- 3 Units
Introductory Archaeological Field Methods Supervision**

Prerequisite: 12 units of ANTH M05

Class Hours: 1 lecture, 6 lab

Introduces advanced students to the training and management of an inexperienced "Pit Crew." May be taken four (4) times for credit. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**ANTH M80 -- 1 to 4 Units
Internship in Anthropology**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

ART

The students who elect to major in the field of art have a variety of opportunities open to them. Choices include careers in teaching, art criticism, journalism, historic preservation, or work as practicing artists in ceramics, painting, sculpture, drawing, commercial art, and photography.

Career Opportunities

Painter, Sculptor, Papermaker, Printmaker, Ceramics, Jeweler, Water Color Artist, Mold Maker, Art Dealer, Gallery Owner, Artist's Agent, Museum Worker, Art Researcher, Fashion Designer, Cartoonist, Art Restorer, Illustrator, Advertising Assistant

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

Kirk Aiken, Christine Marx, Frank Sardisco

Part-Time

Lynn Creighton, Sheldon Hocking, Gaye Laguire, Gulhis Monezis, Susan Nell, Margaret Phelps, Mary Seko, Gerald Swigger, Bonese Turner, Sueann Valentine-Wheeler

Counselor

Don Henderson

Art Degree

Associate in Arts Degree

This program provides students with a curriculum design that is preparatory for transfer to most universities and professional schools of art.

Required Courses:

	Units
ART M01A Art History	3
ART M01B Art History	3
ART M04A Color and Design	3
ART M04B Three-Dimensional Design	3
ART M12A Drawing and Composition	3
ART M12B Drawing and Composition	3
ART M13A Life Drawing	3

Revised

Required Additional Courses:

Select six (6) additional units of any other art or graphic communication/design courses.

TOTAL minimum units required in major area 27

Recommended Courses:

ART M02, M08A, M15A, M16A; GR M21; GR M23; PHOT M01A

See Degree Requirements and Transfer Information section for General Education requirements.

Art Courses

ART M01A -- 3 Units

Art History

Prerequisite: None

Class Hours: 3 lecture

Surveys the history of art of western world, from prehistoric to the middle ages, ranging from ancient to early Christian and Byzantine art. Examines key historical figures as well as architectural, paint and sculpture techniques. Course required of all art majors. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 2; Art Seq. A (Art M01A + M01B).*

ART M01B -- 3 Units

Art History

Prerequisite: None

Class Hours: 3 lecture

Surveys the history of art of the western world from the middle ages to modern times. Emphasizes techniques of art production as well as the importance of key historical figures. Course required of all art majors. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 4 Art Seq. A (Art M01A + Art M01B).*

ART M01C -- 3 Units

Art History

Prerequisite: None

Class Hours: 3 lecture

Investigates the theory and practice of the visual arts from 1850 to the present, exploring specific movements and their reflection of social and technological changes. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M02 -- 3 Units

Art Appreciation

Prerequisite: None

Class Hours: 3 lecture

Explores major artistic techniques in their historical and cultural contexts, developing understanding through informed perceptions and evaluations. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M04A -- 3 Units

Color and Design

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Provides background in the use of design principles, emphasizing color theory and its practical applications through specific weekly projects in line, shape, texture, form, and the principles of abstraction. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 14*

ART M04B -- 3 Units

Three-Dimensional Design

Prerequisite: ART M04A

Class Hours: 2 lecture, 3 lab

Explores 3D design through the application of 2D design principles, emphasizing the creation of form via interaction with various materials, techniques and construction methods. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 16*

ART M04C -- 3 Units

Advanced Problems in Color and Design

Prerequisite: ART M04A

Class Hours: 2 lecture, 3 lab

Further explores 2D design concepts mastered in ART M04A through advanced problems in line, shape, texture, form and motif. Emphasizes creativity as well as established standards of excellence through a study of industrial and commercial design principles. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M08A -- 3 Units

Beginning Ceramics

Prerequisites: None

Class Hours 1 lecture, 6 lab

Introduces the potter's wheel and provides practice in elementary clay construction methods as well as glazing and firing techniques. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 6*

ART M08B -- 3 Units

Beginning Ceramics

Prerequisite: ART M08A

Class Hours: 1 lecture, 6 lab

Practices the techniques of elementary clay construction through exploration of sculptural forms and the development of glazes, decoration and firing methods. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M09A -- 3 Units

Ceramic Design

Prerequisites: ART M08B and ART M04A

Class Hours: 1 lecture, 6 lab

Explores clay bodies, glaze materials and calculations, and firing techniques through independent projects. Develops individual growth and creative expression. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M09B -- 3 Units

Ceramic Design

Prerequisite: ART M09A

Class Hours: 1 lecture, 6 lab

Offers in-depth study of ceramics through independent projects designed to enhance artistic mastery. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M12A -- 3 Units

Drawing and Composition

Prerequisite: None

Class Hours: 1 lecture, 6 lab

Stresses graphic representation of objects through a variety of media and techniques, emphasizing pictorial composition, depth perception, perspective and rendering. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 8*

ART M12B -- 3 Units

Drawing and Composition

Prerequisite: ART M12A

Class Hours: 1 lecture, 6 lab

Expands the exploration of pen and ink and watercolor washes through a study of illustrative drawing, analytic abstraction concepts and advanced problems in rendering. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M13A -- 3 Units

Life Drawing

Prerequisite: ART M12A

Class Hours: 1 lecture, 6 lab

Draws the human figure from live models. Emphasizes structure, proportion, form and composition through an introduction of linear and tonal concepts. Different media will be explored, including charcoal, conte crayon, pencil, pen and ink. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 24*

ART M13B -- 3 Units**Life Drawing**

Prerequisite: ART M13A

Class Hours: 1 lecture, 6 lab

Expands drawing the human figure from a live model. Emphasizes freedom of expression as well as structure, proportion, form and composition. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M13C -- 3 Units**Life Drawing**

Prerequisite: ART M13B

Class Hours: 1 lecture, 6 lab

Further expands drawing the human figure, beginning with a skeletal structure. Uses many media; emphasizes structure, proportion, form and composition; and continues practice of linear and tonal concepts. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M13D -- 3 Units**Life Drawing**

Prerequisite: ART M13C

Class Hours: 1 lecture, 6 lab

Further expands drawing the human figure and skeletal structure. Uses many media; emphasizes structure, proportion, form and composition; and increases practice of linear and tonal concepts. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M14A -- 2 Units**Silk Screen-Serigraph Printmaking**

Prerequisite: ART M04A

Class Hours: 6 lab

Introduces silk screen as a printmaking tool, emphasizing basic techniques through practical work using inks, stopouts and solvents. Provides group and individual critiques. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M14B -- 2 Units**Advanced Silk Screen-Serigraph Printmaking**

Prerequisite: ART M14A

Class Hours: 6 lab

Emphasizes individual expression through the production of multicolor runs and the development of a personal approach to silk screen. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M15A -- 3 Units**Beginning Printmaking**

Prerequisite: ART M04A

Class Hours: 1 lecture, 6 lab

Introduces printmaking media, including intaglio (etching, engraving, etc.) but emphasizing relief, collograph and embossed print. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 20*

ART M15B -- 3 Units**Beginning Printmaking**

Prerequisite: ART M15A

Class Hours: 1 lecture, 6 lab

Fully explores intaglio techniques, including line etching, aquatint, sugar lift, and experimental techniques. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M15C -- 3 Units**Advanced Printmaking**

Prerequisite: ART M15B

Class Hours: 1 lecture, 6 lab

Expands work in intaglio and relief, emphasizing individual exploration of solutions and experimental techniques. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M15D -- 3 Units**Advanced Printmaking**

Prerequisite: ART M15C

Class Hours: 1 lecture, 6 lab

Offers advanced work in intaglio with greater exploration of experimental techniques. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M16A -- 3 Units**Painting**

Prerequisite: ART M12A or ART M04A

Class Hours: 1 lecture, 6 lab

Introduces the nature of structural and expressive values in contemporary painting, emphasizing form, control or pictorial order, and the uses of color and light as fundamental skills necessary to mastery of basic painting techniques. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 10*

ART M16B -- 3 Units**Painting**

Prerequisite: ART M16A

Class Hours: 1 lecture, 6 lab

Continues the development of fundamental painting skills and concepts. Emphasizes technical competence and individual concepts using both traditional and modern materials. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M16C -- 3 Units**Advanced Painting**

Prerequisite: ART M16B

Class Hours: 1 lecture, 6 lab

One-on-one student/teacher relationship explores advanced painting concepts and techniques. Encourages personal and unique self-expression through experimentation with and interpretation of subject matter. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M16D -- 3 Units**Advanced Painting**

Prerequisite: ART M16C

Class Hours: 1 lecture, 6 lab

Allows more advanced work with painting concepts and techniques aimed at developing more extensive self-expression. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M17A -- 3 Units**Landscape Painting**

Prerequisite: ART M04A or ART M12A

Class Hours: 1 lecture, 6 lab

Introduces painting skills and concepts applicable to landscape (both indoor and outdoor). Focuses on painting nature out of doors in various media, such as acrylics, oils, watercolor, and pastels. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M17B -- 3 Units**Landscape Painting**

Prerequisite: ART M17A

Class Hours: 1 lecture, 6 lab

Expands the skills and concepts of painting applicable to landscape, emphasizing a more personal, creative approach. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M18A -- 3 Units**Water Color**

Prerequisite: ART M04A or ART M12A

Class Hours: 1 lecture, 6 lab

Introduces a thorough understanding of the watercolor media, building from simple exercises to more complex problems solved in personal and creative ways. *Applies to Associate Degree. Transfer credit: CSU; UC*

ART M18B -- 3 Units**Water Color**

Prerequisite: ARTM18A

Class Hours: 1 lecture, 6 lab

Offers advanced watercolor techniques, encouraging the use of the multiple image in both landscapes and still life. *Applies to Associate Degree.**Transfer credit: CSU; UC***ART M18C -- 3 Units****Water Color**

Prerequisite: ART M18B

Class Hours: 1 lecture, 6 lab

Expands experimentation with advanced watercolor techniques and the use of the multiple image in landscape and still subjects. Encourages advanced and individualized areas of investigation. *Applies to Associate Degree.**Transfer credit: CSU; UC***ART M18D -- 3 Units****Water Color**

Prerequisite: ART M18C

Class Hours: 1 lecture, 6 lab

Emphasizes individual growth and development through continued merging of advanced watercolor techniques with each student's unique and personal contributions. *Applies to Associate Degree.**Transfer credit: CSU; UC***ART M19A -- 3 Units****Beginning Sculpture**

Prerequisite: None

Class Hours: 1 lecture/6 lab

Develops an awareness for historical and contemporary concerns regarding three-dimensional design concepts. Encourages personal expression through materials such as paper, cardboard, plaster, wood, wire, and clay. *Applies to Associate Degree.**Transfer credit: CSU; UC.***ART M22A/B -- 1 to 3 Units Each****Independent Studies in Art**

Prerequisite: A previous course in Art

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of art through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree.**Transfer credit: CSU; UC credit limitations.***ART M23 -- 3 Units****Beginning Stained Glass Design**

Prerequisite: None

Class Hours: 1 lecture, 6 lab

Introduces the art of stained glass, exploring design sources and principles as well as fabrication and embellishment techniques. *Applies to Associate Degree.**Transfer credit: CSU***ART M24 -- 3 Units****Advanced Stained Glass Design**

Prerequisite: ART M23

Class Hours: 1 lecture, 6 lab

Expands artistic knowledge and ability of stained glass design. Explores more complex design sources and principles as well as advanced fabrication and embellishment techniques. May be taken two (2) times for credit. *Applies to Associate Degree.**Transfer credit: CSU***ART M60A-Z -- 1 to 3 Units Each****Topics in Art**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**ART M60A -- 1 Unit****Art Gallery Practices**

Prerequisite: ART M04A or GR M32 or PHOT M01B

Class Hours: 1 lecture

Introduces gallery practices relating to exhibition selection and design as well as budgeting and installation techniques. *Applies to Associate Degree.**Transfer credit: CSU; UC credit limitations.***ART M60C/D/E -- 1, 2 or 3 Units****Printmaking Studio Practices**

Prerequisite: ART M15A or M15B or M15C or M15D

Class Hours: 3, 6 or 9 lab as arranged

Fully explores intaglio, relief, pantographs or experimental techniques under instructor's direct supervision. Meets individual student needs.

*Applies to Associate Degree.**Transfer credit: CSU; UC credit limitations.***ART M60F -- 3 Units****Glaze Chemistry**

Prerequisite: A previous course in ceramics

Class Hours: 2 lecture, 3 lab

Introduces glaze formulations and ceramic technology, including clays, kilns, firing. Continues work on wheel form, technique and design. May be taken four (4) times for credit. *Applies to Associate Degree.**Transfer credit: CSU; UC credit limitations: (maximum credit 3 units).***ART M80 -- 1 to 4 Units****Internship in Art**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree.**Transfer credit: CSU, credit limitations.*

ASTRONOMY

Astronomers use the principles of physics and mathematics to answer questions about the fundamental nature of the universe, and about celestial bodies such as the sun, moon, planets, and stars. They may apply their knowledge to problems in navigation and space flight.

Career Opportunities

Most careers require bachelors or graduate degree.

Astronomer, Astrophysicist

Dean

Floyd Martin, Phone (805) 378-1459

Faculty**Full-Time**

Balazs Becht, Clint Harper, Ron Wallingford

Part-Time

Hal Jandorf, Philip Klutch, Dennis Leatart, Carolyn Mallory

Counselors

Mary Martin, Danita R. Redd

■ Astrophysics Degree**Associate in Science Degree**

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Astrophysics. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Science degrees in Astrophysics offered by four-year institutions. Since the course work in astrophysics is sequential, students may spend less time earning an Associate of Science Degree and/or Bachelor of Science Degree by deferring some of the university general education requirements until their Junior and Senior years and by giving priority to the requirements for a major in astrophysics. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics -- two years high school algebra plus trigonometry or Math M03 and M07 or equivalent.
- Chemistry -- one year high school chemistry or CHEM M12 or equivalent.
- Physics -- one year of high school physics or PHYS M10A or equivalent.

Astrophysics students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:	Units
AST M01* An Introduction to Astronomy	3
CHEM M01A General Chemistry I	6
CHEM M1B General Chemistry II	6
MATH M25A Calculus with Analytic Geometry I	5
MATH M25B Calculus with Analytic Geometry II	5
MATH M25C Calculus with Analytic Geometry III	5
MATH M35 Applied Differential Equations	3
PHYS M20A/M20AL Mechanics of Solids and Fluids/Lab	5
PHYS M20B/M20BL Electricity and Magnetism/Lab	5
PHYS M20C/M20CL Wave Motion/Heat/Optics & Modern Physics Lab ...	5
TOTAL minimum units required in major area	48

*Denotes a course required for the A.S. degree but not typically required for a B.S. degree in astrophysics.

Suggested Course Sequence:

First Semester	
CHEM M01A	6
MATH M25A	5
Total	11
Second Semester	
CHEM M01B	6
MATH M25B	5
PHYS M20A/M20AL	5
Total	16

Third Semester

AST M01	3
MATH M25C	5
PHYS M20B/M20BL	5
Total	13

Fourth Semester

MATH M35	3
PHYS M20C/M20CL	5
Total	8

See Degree Requirements and Transfer Information section for General Education requirements.

Astronomy Courses**AST M01 -- 3 Units****An Introduction to Astronomy**

Prerequisite: None

Class Hours: 3 lecture

Introduces modern Astronomy in a descriptive, nonmathematical way, emphasizing our solar system, stars, galaxies, and the origin and evolution of the universe. *AST formerly ASTRO. Applies to Associate Degree. Transfer credit: CSU; UC*

AST M01L -- 1 Unit**An Introduction to Astronomy Laboratory**Prerequisite: Completion of or concurrent enrollment in AST M01 or AST M02

Class Hours: 3 lab

Reinforces principles and techniques of astronomy through hands-on experience with telescopes, star charts, and other common devices used to observe and measure the moon, the planets, and the stars. *AST formerly ASTRO. Applies to Associate Degree. Transfer credit: CSU; UC*

AST M02 -- 3 Units**Our Solar System: The Next Frontier**

Prerequisite: None

Class Hours: 3 lecture

Introduces both observational and historical Astronomy, reviewing the planets, satellites, asteroids, comets, and the sun. Discusses the laws of motion and gravitation, especially in connection with space travel—past, present and future. *AST formerly ASTRO. Applies to Associate Degree. Transfer credit: CSU; UC*

AST M10 -- 2 Units**Observational Astronomy**Prerequisites: AST M01/M01L or AST M02 and MATH M06 or MATH M07

Class Hours: 1.5 lecture, 1.5 lab

Introduces the tools, techniques, and practices of observational astronomy, emphasizing data acquisition; motions, position and brightness of celestial objects; and computer-accessed data banks. *AST formerly ASTRO. Applies to Associate Degree. Transfer credit: CSU; UC*

AST M22A/B -- 0.5 to 3 Units Each**Independent Studies in Astronomy**

Prerequisite: A previous course in Astronomy

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of Astronomy through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *AST formerly ASTRO. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

AST M80 -- 1 to 4 Units

Internship in Astronomy

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *AST formerly ASTRO. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

Astronomy Hotline

Ventura County Astronomical Society Starline offers 24-Hour Hotline news and information about astronomy: CALL (805) 529-7813.

BEHAVIORAL SCIENCE

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Counselor

Ofelia Romero-Motlagh

Behavioral Science Degree

Associate in Arts Degree

Areas of Emphasis: Anthropology, Psychology, Sociology
This program is recommended not only for students wishing an A.A. degree, but also for those who intend to transfer to a four-year institution or university with a major in Behavioral Science emphasizing Anthropology, Psychology or Sociology. Transfer students should consult the transfer requirements section as additional courses are required by transfer institutions. Refer to individual course listings by discipline appearing in alphabetical order: Anthropology, Psychology, Sociology.

AREA A:

Required Courses:	Units
ANTH M02 Cultural Anthropology	3
PSY M01A Intro to Psychology	3
SOC M01 Intro to Sociology	3

AREA B: Required Courses for Emphasis:

- Anthropology Emphasis: Any other two (2) Anthropology courses except ANTH M01, ANTH M22, ANTH M60 series courses, or ANTH M80.
- Psychology Emphasis: Any other two (2) Psychology courses except the PSY M22, PSY M60 series courses, or PSY M80.
- Sociology Emphasis: Any other two (2) Sociology courses except the SOC M22, SOC M60 series courses, or SOC M80.

AREA C: One additional required three-unit course outside the student's area of emphasis from the following courses:

- Anthropology: Any course other than ANTH M01, ANTH M01L, ANTH M22, ANTH M60 series courses, or ANTH M80.
- Psychology: any course other than the PSY M22, PSY M60 series courses, or PSY M80.
- Sociology: any course other than the M22, M60 series courses, or SOC M80.

- Chicano Studies: M01, M02 or M04.
- History: M02, M03, M04, M06, M08, M12 or M14.
- Humanities: M18 or M19.

TOTAL minimum units required in major area 18

See Degree Requirements and Transfer Information section for General Education requirements.

BIOLOGICAL SCIENCES

Study in biology leads to a wide range of careers upon the attainment of the baccalaureate degree. Many students prepare for entry into graduate or professional schools upon graduation; programs in dentistry, medicine, nursing, pharmacy, and similar professions depend upon emphasis in biological sciences. Careers are found in teaching, research, and government service.

Career Opportunities

Most careers require bachelors or graduate degree.

Biological Technician, Public Health Biologist, Cytologist, Clinical Lab, Technologist, Museum Curator, Health Technician, Science Librarian, Ecologist, Athletic Trainer, Food and Drug Agency Trainee, Genetic Engineering Technician, Waste Management Technician, Laboratory Technician, Research Assistant, Plant Ecologist, Physical Therapist. Food Processing Technician

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Full-Time

David Bishop, Maureen Harrigan, Thomas McAdam, Larry Miller, Gary Ogden, Marie Panec, Jack Reynolds, Eric Shargo

Part-Time

Michael Cornish, James Harber, Jan Kaufman, Gerald Lasnik, Thomas Odgers, Mary Rees, Robert Stellwagen, Leonid Terr, Paul Tomasek, Jim Wolfe

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

Biology Degree

Associate in Arts Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Biology. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Arts degrees in Biology offered by four-year institutions. Since the course work in biology is sequential, students may spend less time earning an Associate in Arts Degree and/or Bachelor of Arts Degree by deferring some of the university general education requirements until their Junior and Senior years and giving priority to the requirements for a major in biology. In addition, the earning of this degree will be evidence of achievement of technical skills which may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics — two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Chemistry — one year high school chemistry or CHEM M12 or equivalent.

Biology students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:	Units
BIOL M02AB ... General Biology I/II	8
CHEM M01AB . General Chemistry I/II	12
MATH M16AB .. Applied Calculus I/II	6
PHYS M10A/M10AL General Physics I/Lab	5
PHYS M10B/M10BL General Physics II/Lab	5
TOTAL minimum units required in major area	36

See Degree Requirements and Transfer Information section for General Education requirements.

Suggested Course Sequence:

<u>First Semester</u>	
CHEM M01A	6
Total	6
<u>Second Semester</u>	
CHEM M01B	6
Total	6
<u>Third Semester</u>	
BIOL M02A	4
MATH M16A	3
PHY M10A/M10AL	5
Total	12
<u>Fourth Semester</u>	
BIOL M02B	4
MATH M16B	3
PHYS M10B/10BL	5
Total	12

■ Biology Degree

Associate in Science Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Biology. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Science degrees in Biology offered by four-year institutions. Since the course work in biology is sequential, students may spend less time earning an Associate in Science Degree and/or Bachelor of Science Degree by deferring some of the university general education requirements until their Junior and Senior years and by giving priority to the requirements for a major in biology. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics — two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Chemistry — one year high school chemistry or CHEM M12 or equivalent.
- Physics — one-year high school physics or PHYS M10A or equivalent.

Biology students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:	Units
BIOL M02AB ... General Biology I/II	8
CHEM M01AB . General Chemistry I/II	12
MATH M25AB .. Calculus with Analytic Geometry I/II	10
PHYS M20A/M20AL Mechanics of Solids and Fluids/Lab	5
PHYS M20B/M20BL Electricity and Magnetism/Lab	5
TOTAL minimum units required in major area	40

Recommended Courses: CHEM M8/M8L; PHYS M20C/M20CL

<u>First Semester</u>	
CHEM M01A	6
Total	6
<u>Third Semester</u>	
BIOL M02A	4
MATH M25B	5
PHYS M20A/20AL	5
Total	14
<u>Second Semester</u>	
CHEM M01B	6
MATH M25A	5
Total	11
<u>Fourth Semester</u>	
BIOL M02B	4
PHYS M20B/M20BL	5
Total	9

See Degree Requirements and Transfer Information section for General Education requirements.

Anatomy Courses

ANAT M01 -- 4 Units

General Human Anatomy

Prerequisite: BIOL M01 or BIOL M02A

Class Hours: 2 lecture, 6 lab

Introduces functional anatomy of human organs and organ systems, emphasizing the human structure through demonstrations on human cadavers. Includes dissection of non-human mammals. *ANAT formerly AN. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed—one course if combined with ANPH M01/M01L. CAN: BIOL 10*

ANAT M22A/B -- 0.5 to 3 Units Each

Independent Studies in Anatomy

Prerequisite: A previous course in Anatomy

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of anatomy through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *ANAT formerly AN. Applies to Associate Degree. Transfer credit: CSU.*

Anatomy/Physiology Courses

ANPH M01 to 3 Units

Introduction to Human Anatomy and Physiology

Prerequisite: BIOL M01

Corequisite: ANPH M01L

Class Hours: 3 lecture

Introduces human anatomy and physiology, covering major organ systems and their functions. Emphasizes microscopic and macroscopic functional morphology. *ANPH formerly ANPHYS. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed—one course if combined with ANAT M01 or PHSO M01*

ANPH M01L -- 2 Units**Introduction to Human Anatomy and Physiology Laboratory**

Prerequisite: None

Corequisite: ANPH M01

Class Hours: 6 lab

Reinforces physiological principles of human anatomy, covering major organ systems and their functions as well as microscopic and macroscopic functional morphology. Uses cadavers for demonstrations. Requires dissection of a cat. *ANPH formerly ANPHYS. Applies to Associate Degree. Transfer credit: CSU; UC. Maximum credit allowed - one course if combined with ANAT M01 or PHSO M01.*

ANPH M01S -- 1 Unit**Anatomy and Physiology Study Session**

Prerequisite: None

Class Hours: 1 lecture

Offers review and discussion of lectures, lab materials and tests to improve comprehension and discussion. Emphasizes effective note-taking and studying strategies. *ANPH formerly ANPHYS. Maximum credit allowed - one course if combined with ANAT M01 or PHSO M01.*

Biology Courses**BIOL M01 -- 4 Units****Principles of Biology**

Prerequisite: None

Class Hours: 3 lecture, 3 lab

Introduces biology to non-natural science majors. Emphasizes basic concepts, including biological chemistry, cell biology, genetics, evolution, ecology and the implications of biological areas in human affairs. Majors in biology or related areas enroll in BIOL M02A. *Applies to Associate Degree. Transfer credit: CSU; UC*

BIOL M02A -- 4 Units**General Biology I**

Prerequisite: CHEM M12 or high school chemistry

Class Hours: 3 lecture, 3 lab

First semester of a two-semester sequence (with BIOL M02B). Covers biological chemistry, cell structure, function and regulation, bio-genetics, classical and molecular genetics, plant and animal development, and an introduction to evolution. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: BIOL 2, CAN: BIOL SEQ A (BIOL M2A & M2B)*

BIOL M02B -- 4 Units**General Biology II**

Prerequisite: BIOL M02A

Class Hours: 3 lecture, 3 lab

Second semester of a two-semester sequence (with BIOL M02A). Covers diversity and function of living systems. Reviews mammalian physiological processes, including neural, hormonal, muscular, immune response and behavior as well as ecology, ecosystems, pollution and evolution. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: BIOL SEQ A (BIOL M2A + M2B).*

BIOL M03 -- 3 Units**Marine Life and Its Environment**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces marine life, including algae, microorganisms, and animals, emphasizing integration of organisms within their habitats. Reviews ocean as worldwide habitat and effect of human population on marine environment. Requires field trips, including visits to local tide pool, beach and mud flat communities. *Applies to Associate Degree. Transfer credit: CSU; UC*

BIOL M05 -- 3 Units**Field Biology**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces the ecology, taxonomy, and natural history of plant life, reviewing ecosystems, community structure, energy flow, nutrient cycling, evolution, and environmental adaptations. Labs stress plant identification and plant-animal-environment interactions and related geological concepts. Requires field trips. *Applies to Associate Degree. Transfer credit: CSU; UC*

BIOL M14 -- 3 Units**Natural History of Ventura County**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces study of the natural features, animals and plants of Ventura County, emphasizing cultivated areas, Chumash culture, and Channel Islands as well as basic geological concepts and human impact on environment. Field trips required. *Applies to Associate Degree. Transfer credit: CSU*

BIOL M16 -- 3 Units**Human Biology**

Prerequisite: None

Class Hours: 3 lecture

Explores the human species as an animal and its place in the biosphere. Emphasizes population, energy and agronomy, genetics, behavior, normal human physiology, stress, nutrition, fitness, aging and death. *Applies to Associate Degree. Transfer credit: CSU; UC*

BIOL M17 -- 3 Units**Heredity, Evolution and Society**

Prerequisite: None

Class Hours: 3 lecture

Introduces principles of modern genetics and evolutionary theory with specific reference to the human species. Examines human inheritance as well as environmental influences, emphasizing the social, political and psychological ramifications of the biological laws governing heredity and organic evolution. Analyzes the world's economic, demographic, and political problems and possible solutions. *Applies to Associate Degree. Transfer credit: CSU; UC*

BIOL M22A/B -- 0.5 to 3 Units Each**Independent Studies in Biology**

Prerequisite: A previous course in Biology

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of biology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

BIOL M80 -- 1 to 4 Units**Internship in Biology**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

Botany Courses

BOT M01 -- 5 Units

General Botany

Prerequisite: None

Class Hours: 3 lecture, 6 lab

Introduces the anatomy and physiology of plants. Emphasizes the physical and chemical aspects of life, including cellular organization, reproduction, heredity, ecology, and plant kingdom survey. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN BIOL 6*

BOT M22A/B -- 0.5 to 3 Units Each

Independent Studies in Botany

Prerequisite: A previous course in Botany

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of botany through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

Microbiology Courses

MICR M01 -- 5 Units

Principles of Microbiology

Prerequisites: CHEM M12 or high school chemistry and BIOL M01 or BIOL M02A

Class Hours: 3 lecture, 6 lab

Reviews microbes, including their structure, physiology, growth, genetics and control. Emphasizes pathobiology, including immunity, pathogenicity and the control of infectious diseases. Lab focuses on solving unknown and growth requirements of many bacteria. *MICR formerly MICRO. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: BIOL 14*

MICR M22A/B -- 0.5 to 3 Units Each

Independent Studies in Microbiology

Prerequisite: A previous course in Microbiology

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of microbiology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *MICR formerly MICRO. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

Physiology Courses

PHSO M1 -- 5 Units **M01**

Human Physiology

Prerequisites: CHEM M12 or high school chemistry and BIOL M01 or BIOL M02A

Class Hours: 4 lecture, 3 lab

Introduces the functions and basic structure of the human organism as well as the underlying physiological principles. Illustrates basic principles and techniques through labs and demonstrations. *PHSO formerly PHYS. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed—one course if combined with ANPH M01/M01L. CAN: BIOL 12*

PHSO M02 -- 3 Units

Physiology of Nutrition

Prerequisite: NT S M01

Class Hours: 3 lecture

Introduces the physiological and molecular aspects of nutrition, not the consumer aspects. Analyzes the roles of nutrition and nutrients in the body's normal functioning. *PHSO formerly PHYS. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed—one course if combined with NT S M01 or NT S M03*

PHSO M22A/B -- 0.5 to 3 Units Each

Independent Studies in Physiology

Prerequisite: A previous course in Physiology

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of physiology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *PHSO formerly PHYS. Applies to Associate Degree. Transfer credit: CSU.*

Zoology Courses

ZOO M01 -- 5 Units

General Zoology

Prerequisite: None

Class Hours: 3 lecture, 6 lab

Introduces cell biology, genetics, evolution, taxonomy, physiology, behavior and ecology of animals. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: BIOL 4*

ZOO M22A/B -- 0.5 to 3 Units Each

Independent Studies in Zoology

Prerequisite: A previous course in Zoology

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of zoology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

BOTANY

See courses in Biological Sciences

BIOTECHNOLOGY

"Biotechnology is a promising young field that is predicted to be one of the pivotal forces of the 21st Century. Today it is saving lives through the development of breakthrough drugs and improving the quality of life with new agricultural and environmental products." *Biotechnology Industry Organization*

Career Opportunities

Aseptic Fill Assistants, Aseptic Fill Technicians, Manufacturing Technicians, Purification Technicians, Documentation Clerks, Validation Technicians, Assay Analysts, Instrumentation/Calibration Technician, Cell Culture & Fermentation Assistant, Cell Culture & Fermentation Technician, Quality Control Inspectors

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Full-Time

Maureen Harrigan

Counselors

Frank Bianchino, Mary Martin, Danita R. Redd

Biotechnology Degree/Certificate (Occupational)

**Associate in Science Degree
Certificate of Achievement**

Biotechnology is a rapidly growing industry with projections for continued growth and exciting opportunities for employment. The Biotechnology Training Program at Moorpark College was designed by members of local industry (Baxter Healthcare Corporation and AMGEN) to provide students with unsurpassed technical experiences and training in manufacturing biotechnology. This curriculum focuses on the technologies and processes utilized by the manufacturing component of the biotechnology industry. Through a combination of basic science courses and laboratory instruction, students will acquire the skills and competencies needed for high level performance within this industry. Students have an option to receive a Certificate of Achievement in Biotechnology upon completion of the core courses or an Associate in Science Degree in Biotechnology if general education requirements are also fulfilled.

Preparation for the major:

- Mathematics - two years high school algebra or MATH M01 and M03.
- Chemistry - Students choosing CHEM M01A/M01B option need one-year high school chemistry or CHEM M12.
- English – ENGL M01A

Biotechnology students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:	Units
CHEM M12/M13 Introductory Chemistry I/II	10
or	
CHEM M01A/M01B General Chemistry I/II	12
CIS M28 Microsoft Office	3
MATH M15 Introductory Statistics	5
ENGL M11 Report and Technical Writing	3
BIOL M02A..... General Biology I	4
MICR M01 Principles of Microbiology	5
PHSO M01 Human Physiology	5
BIOT M01 Introduction to Biotechnology	5
BIOT M02A Plant Design	1
BIOT M02B Process Support	1
BIOT M02C Manufacturing Technology: Cell Culture, Microbial	1
..... Fermentation	1
BIOT M02D Manufacturing Technology: Recovery, Purification ...	1
BIOT M02E Manufacturing Technology: Formulation, Fillings,	1
..... Packaging	1
BIOT M02F Quality Control: Applied Analytical Methods	1
BIOT M02G Environmental Control	1
BIOT M02H..... Validation	1
TOTAL minimum units required in major area ...	48 or 50

Recommended Course:

PHYS M01

Students desiring an A.S. Degree in Biotechnology must also complete general education requirements. See Degree Requirements and Transfer Information section for General Education requirements.

CHEM M01A and CHEM M01B should be taken by students planning to transfer.

First Semester

CHEM M12 or CHEM M01A	5/6
CIS M28	3
MATH M15	5
Total	13/14

Second Semester

CHEM M13 or CHEM M01B	5/6
ENGL M11	3
BIOL M2A	4
Total	12/13

Third Semester

MICR M01	5
BIOT M01	5
Total	10

Fourth Semester

BIOT M02A	1
BIOT M02B	1
BIOT M02C	1
BIOT M02D	1
BIOT M02E	1
BIOT M02F	1
BIOT M02G	1
BIOT M02H	1
PHSO M01	5
Total	13

Biotechnology Courses

BIOT M01 — 5 Units

Introduction to Biotechnology

Prerequisites: CHEM M13 or CHEM M01B, BIOL M02A and MATH M15
Class Hours: 3 lecture, 6 lab

Introduces biotechnology, focusing on lab safety, solution preparation, documentation, nucleic acid isolation, recombinant DNA techniques, electrophoresis, immunochemistry, techniques in tissue culture, protein isolation and purification, and the components and operations of an industrial biotechnology plant. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M02A — 1 Unit
Plant Design

Prerequisites: BIOT M01 and MICR M01

Class Hours: 4 lecture, 12 lab for 2 weeks

Course one of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering General Building Design, Water Systems, HVAC, Utilities, Instrumentations, Process Control Systems and External Environmental Effects. *BIOT formerly BIOTECH. Applies to Associate Degree CSU*

BIOT M02B — 1 Unit
Process Support

Prerequisite: BIOT M02A

Class Hours: 4 lecture, 12 lab for 2 weeks

Course two of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering Small Parts and Labware Preparation, Labware Washing, Theory/Use of Autoclaves, CIP, SIP, Validation Testing, Preventive Maintenance, Facilities Sanitization, Raw Materials Logistics and Inventory Control. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M02C — 1.5 Units
Manufacturing Technology: Cell Culture, Microbial Fermentation

Prerequisite: BIOT M02B

Class Hours: 4 lecture, 12 lab for 2 weeks

Course three of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering Recombinant Proteins and Expression Systems, Host Selection, Selection Criteria for Large Scale, Scaleup Process, Mammalian and Microbial Systems, Cell Physiology/Metabolism, Cell Culture Techniques, Bioreactors, Fermentation, Protein Synthesis Induction, Media Considerations, Environmental Requirements, Testing, Monitoring, and Control, Fermentor Design and Trouble Shooting. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M02D — 1.5 Units
Manufacturing Technology: Recovery, Purification

Prerequisite: BIOT M02C

Class Hours: 4 lecture, 12 lab for 2 weeks

Course four of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering Principles of Protein Separations, Filtration, Tangential Flow Filtration, Clarification, UF/DF, Sterile Filtration, Centrifugation, Cell break, Chromatography, Process Design, Scaleup and Optimization, Contaminants, Validation/Scale-down, Protein Refolding and Buffers. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M02E — 1.5 Units
Manufacturing Technology: Formulation, Filling, Packaging

Prerequisite: BIOT M02D

Class Hours: 4 lecture, 12 lab for 2 weeks

Course five of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering Aseptic Processing, Formulation, Dilutions, Potency Targeting, Sterile Filtration, Filtration Dynamics, Regulatory Agency Guidelines, Personnel Monitoring, Contamination Control, Filling, Lyophilization, Labeling and Packaging, Batch Records, Quality Parameters, and Complaints/Recall. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M02F — 1.5 Units
Quality Control: Applied Analytical Methods

Prerequisite: BIOT M02E

Class Hours: 4 lecture, 12 lab for 2 weeks

Course six of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering PAGE, Immunoblots, Potency Assays, ELISA, HPLC, Excipient Assays, Residual/Contaminant Assays, Assay Validation, Raw Material Testing, In Process Testing, Final Product Testing, Reporting of Result and Retesting. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M02G — 1.5 Units
Environmental Control

Prerequisite: BIOT M02F

Class Hours: 4 lecture, 12 lab for 2 weeks

Course seven of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering Open vs. Closed Systems, Tanks and Lines, Gowning, Aseptic Technique, Monitoring Techniques, Monitoring of Utilities, Viable vs. Non-Viable Particulates, Excursion Investigations, Bacterial Identification, Mycoplasma Identification and Microbiology Review. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M02H — 1.5 Units
Validation

Prerequisite: BIOT M02G

Class Hours: 4 lecture, 12 lab for 2 weeks

Course eight of eight sequential modules. Provides intensive instruction in the manufacturing component of the Biotechnology industry, covering Installation Qualification, Operational Qualification, Performance Qualification, Process Qualification, Computer Validation, Cleaning Validation, Sterilizing Filter Validation, SPC and Continuous Process Validation. *BIOT formerly BIOTECH. Applies to Associate Degree. CSU*

BIOT M80 -- 1 to 4 Units
Internship in Biotechnology

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *BIOT formerly BIOTECH. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

BROADCASTING

See courses in Radio/Television

BUSINESS

Study in business leads to a wide range of opportunities in a variety of industries such as banking, health care/biotechnology, law, entertainment, defense, computer/electronics, and education, as well as in government and non-profit organizations. Upon completion of the baccalaureate degree, the student will be prepared for a career in specialized areas such as accounting, finance, investments, real estate, marketing, office administration, management, production, operations management, operations research, and statistics. Upon completion of the associate degree, the student will be prepared for various entry-level positions within these same organizations, for promotion from technical and specialty job functions into management positions, and/or for transfer to a baccalaureate program.

Career Opportunities

Associate Degree Level

Accounting

Account Clerk, Accounts Payable Clerk, Accounts Receivable Clerk, Bank Teller, Billing Clerk, Bookkeeper, Payroll Clerk

Management

Administrative Assistant, Order Processor, Management Trainee, Production Clerk, Quality Control Clerk, Assistant Manager, Staff Assistant, Human Resources/Personnel Clerk, Small Business Owner

Marketing

Sales Representative, Market Research Assistant, Manufacturers Representative, Sales Trainee, Buyer Trainee/Assistant, Telemarketing Representative

Bachelors Degree Level

Accounting (B.A./B.S. level)

Cost Accountant, Assistant Controller, Controller, Treasurer, Government Accountant, Budget Analyst, Credit Analyst, Appraiser, Staff Accountant, Securities Analyst, Management Accountant, Tax Specialist/Accountant, City or County Auditor, Revenue Agent, Bank Examiner, Credit Counselor, Estimator, Investment Planner, General Accountant, Financial Planner, Stock Broker

Management (B.A./B.S. level)

Administrative Assistant, Office Manager, Administrative Specialist, Human Resource Manager, Small Business Owner, Small Business Manager, Management Trainee, Supervisor, Area Manager, Store Manager, Branch Manager, Personnel Assistant

Marketing (B.A./B.S. level)

Product Planner, Advertising Assistant, Account Executive, Manufacturers Representative, Communications Consultant, Advertising Manager, Merchandising Manager, Package Designer, Consumer Research Analyst, Industrial Marketing Manager, Customer Relations Manager, Entrepreneur, Market Specialist, Promotion Manager, Sales Executive, Sales Management, Sales Campaign Planner, Sales Representative, Advertiser, Retail Merchandiser, Product Specialist, Media Analyst

Dean

Floyd Thionnet, Phone (805) 378-1431

Faculty

Full-Time

Lori Bennett, Janice Feingold, Gary Izumo, Thomas Spraggins, James Wyman, Kathleen Young

Part-Time

N. Dina Adler, Ronald Boots, Melvin England, Rollyn Habeck, John Handlos, Richard Hoffing, Thomas LaMantia, Terry Larsen, Brian McGilvray, Tim McGrath, Carl Olson, Stephanie Romero, Frances Sheppard, Timothy Weaver

Counselors

Denice Avila, Chuck Brinkman, Gail Goodman

Business Degree

Associate in Science Degree

This program is designed to provide comprehensive training that will enable students to be employed in entry-level business positions. It is also designed to permit employed persons to gain skills leading to promotions.

Core Courses

The core courses are intended to provide students with a multi-disciplinary introduction to business. The student then selects one of three options for specialization. These options are intended to provide students with knowledge and skills for entry-level business positions or advanced study.

Required Courses:

	Units
BUS M02A Financial Accounting I	3
BUS M02B Financial Accounting II	3
BUS M30 Intro to Business and Economics	3
BUS M31 Introduction to Management	3
BUS M33 Business Law	3
or	
BUS M34 Legal Environment of Business	3
BUS M39 Business Communication Techniques	3
CIS M16 Intro to Information Systems	3
CIS M16L CIS Introduction Lab	1

Required Additional Courses:

Select one of the following options:

Management Option

Students are required to complete the core curriculum plus select six (6) units from the following courses:

BUS M32 Small Business Management	3
BUS M51 Human Resources Management	3
BUS M54 Organizational Behavior	3

Sales & Marketing Option

Students are required to complete the core curriculum plus select six (6) units from the following courses:

BUS M35 Sales Techniques	3
BUS M37 Marketing	3
BUS M38 Advertising	3

Accounting Option

Students are required to complete the core curriculum plus the following courses:

CIS M14 10-Key Mastery on the Computer	1
BUS M02C Managerial Accounting	3
BUS M08 Computerized Accounting	2
BUS M09A Spreadsheets in Financial Accounting	2
BUS M09B Spreadsheets in Managerial Accounting	1
TOTAL minimum units required in major area	28-31

See Degree Requirements and Transfer Information section for General Education requirements.

Associate of Arts Degree

BUS M02A Financial Accounting I	3
BUS M02B Financial Accounting II	3
BUS M02C Managerial Accounting	3
BUS M39 Business Communication Techniques	3
CIS M16 Introduction to Information Systems	3
CIS M16L Information Systems Lab	1
BUS M30 Introduction to Business & Economics	3
and	
ECON M01 Principles Micro-Economics	3
or	
ECON M01 Principles of Micro-Economics	3
and	
ECON M02 Principles of Macro-Economics	3
BUS M34 Legal Environment of Business	3
or	
BUS M33 Business Law	3
TOTAL minimum units required in major area	25

See Degree Requirements and Transfer Information section for General Education requirements.

Accounting ^{Procedures} Applications Certificate

Certificate of Achievement

This program offers basic training in accounting for students seeking employment and those already employed but needing skills improvement. Successful program completion should qualify individuals for beginning positions in accounting occupations.

Required Courses:

	Units
CIS M11 Basic Computer Keyboarding	1
CIS M14 10-Key Mastery on the Computer	1
CIS M15 Intro to the Personal Computer	1
BUS M02A Financial Accounting I	3
BUS M02B Financial Accounting II	3
BUS M08 Computerized Accounting	2
BUS M09A Spreadsheets in Financial Accounting	2
BUS M30 Intro to Business and Economics	3
BUS M39 Business Communication Techniques	3
CIS M16 Intro to Information Systems	3
CIS M16L CIS Introduction Lab	1
TOTAL minimum units required	23

BUS M30 Intro to Business and Economics	3
BUS M37 Marketing	3
BUS M38 Advertising	3
BUS M35 Sales Techniques	3
BUS M31 Introduction to Management	3
BUS M34 Legal Environment of Business	3
BUS M39 Business Communication Techniques	3
BUS M54 Organizational Behavior	3
GR M10 Intro to Graphics	3
CIS M28 Microsoft Office	3
or	
CIS M16/M16L Intro to Information Systems/Lab	3/1
TOTAL units required	30 or 31

Management Certificate

Certificate of Achievement

BUS M30 Introduction to Business and Economics	3
BUS M31 Introduction to Management	3
BUS M32 Small Business Management	3
BUS M34 Legal Environment of Business	3
or	
BUS M33 Business Law	3
BUS M39 Business Communication Techniques	3
BUS M51 Human Resource Management	3
BUS M54 Organizational Behavior	3
CIS M16/M16L Introduction to Information Systems/Lab	3/1
or	
CIS M28 Microsoft Office	3
PSY M03 Psychology of Interpersonal Relationships	3
TOTAL minimum units required	27 or 28

Certificate of Completion

This Certificate of Completion in Management offers fundamental skills needed in today's business world. Successful completion of the program should qualify individuals for entry-level management positions.

BUS M30 Introduction to Business/Economics	3
BUS M31 Introduction to Management	3
BUS M32 Small Business Management	3
BUS M51 Human Resource Management	3
Total units required	12

Business Communication Certificate

Certificate of Completion

This Certificate of Completion in Business Communication offers skills necessary for individuals to become effective in business communication. Successful completion of the program should qualify individuals for entry-level management positions.

BUS M28 Business English	3
BUS M39 Business Communication Techniques	3
BUS M56 Business and Professional Speech	3
or	
SPCH M01 Introduction to Speech	3
CIS M28 Microsoft Office	3
TOTAL units required	12

Marketing / Sales Certificate

Certificate of Achievement

This program offers training in marketing, sales and advertising skills that individuals need to become effective Marketing or Sales Managers. Successful program completion will prepare students for entry-level positions in Marketing, Advertising, or Sales.

Marketing Certificate

Certificate of Completion

This certificate of completion in marketing offers the basic skills students need to seek entry-level positions in marketing or advertising.

BUS M30 Intro to Business and Economics	3
BUS M37 Marketing	3
BUS M38 Advertising	3
BUS M31 Introduction to Management	3
TOTAL units required	12

Sales Certificate

Certificate of Completion

This certificate of completion in sales offers the basic skills students need to seek entry-level positions.

BUS M30 Intro to Business and Economics	3
BUS M35 Sales Techniques	3
BUS M37 Marketing	3
BUS M39 Business Communication Techniques	3
TOTAL units required	12

Small Business Certificate

Certificate of Completion

This certificate of completion in small business offers the basic skills students need to start a business or seek positions in small business.

BUS M32 Small Business Management	3
BUS M31 Introduction to Management	3
BUS M37 Marketing	3
CIS M28 Microsoft Office Professional	3
Total units required	12

Business Courses

BUS M01 -- 3 Units

Preparation for Accounting

Prerequisite: MATH M09 or eligibility for MATH M01

Class Hours: 5 Lecture

Covers fundamentals of double-entry bookkeeping and debit/credit method of recording transactions. Includes the full bookkeeping cycle from recording transactions to preparing financial statements. Emphasizes service and merchandising concerns operated as sole proprietorships. Applies to Associate Degree.

Marketing / Sales Cert - y Ach

BUS M01A - AA
BUS M01B - AA

BUS M02A -- 3 Units**Financial Accounting I**

Prerequisite: BUS M01

Recommended Preparation: MATH M03 and ENGL M02 or higher

Class Hours: 3 lecture

Examines financial accounting from both user and preparer perspectives, emphasizing public corporations. Explores what accounting is, why it is important, how it is used to make decisions, and how to record and present information. Focuses on operating activities. Covers accounting cycle, specialized financial statements, information systems, internal control, and ethical issues. Required course for business majors. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed - one course when combined with BUS M02B. CAN: BUS 2A + 2B = CAN: BUS 2 (BUS M02A+M)2B). BUS Seq. A (BUS M02A+M02B+M02C)*

BUS M02B -- 3 Units**Financial Accounting II**

Prerequisite: BUS M02A

Recommended Preparation: MATH M03 and ENGL M02 or higher

Class Hours: 3 lecture

Continues examining financing accounting related primarily to public corporations. Focuses on investing and financing. Explores long-term asset acquisition/use, short and long-term debt, stockholders' equity, intercompany investments, preparation/use of the Statement of Cash Flows, and financial statement analysis. Required course for business majors. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed - one course when combined with BUS M02A. CAN: BUS 2 (BUS M02A+M02B). BUS Seq. A (BUS M02A + M02B + M02C)*

BUS M02C -- 3 Units**Managerial Accounting**

Prerequisite: BUS M02B

Recommended Preparation: MATH M03

Class Hours: 3 lecture

Examines how managers make internal decisions. Focuses on cost terms/concepts, methods of accounting for manufacturing costs, cost behavior and estimation, cost analysis and control, budgeting, variance analysis and responsibility accounting. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: BUS 4 (BUS M02A + M02B + M02C), CAN: BUS SEQ A*

BUS M07 -- 3 Units**Personal Income Tax Preparation**

Prerequisite: None

Class Hours: 3 lecture

Examines federal taxation concepts related to personal income tax preparation and planning. Focuses on income inclusions/exclusions, itemized deductions, other deductions including gains/losses, business income/expenses, passive activities, property basis and capital gains/losses, tax credits and preparation of appropriate forms/schedules. Includes limited coverage of CA State tax regulations. *Applies to Associate Degree. Transfer credit: CSU*

BUS M08 -- 2 Units**Computerized Accounting**

Prerequisite: BUS M02A or CIS M15

Class Hours: 1 lecture, 3 lab

Introduces the use of computers in accounting. Emphasizes recording transactions and preparing financial statements/reports. Focuses on the general ledger, depreciation, accounts receivable, accounts payable and payroll. *Applies to Associate Degree.*

BUS M09A -- 2 Units**Spreadsheets in Financial Accounting**

Prerequisite: Completion or concurrent enrollment BUS M02B or CIS M15

Class Hours: 1 lecture, 3 lab

Examines the use of spreadsheet software to record transactions, prepare financial statements and sort/analyze data. Focuses on such accounting functions as calculating depreciation, tracking and controlling accounts receivable and inventories, maintaining payroll records and analyzing financial statements. Introduces specialized accounting and finance functions. *Applies to Associate Degree. Transfer credit: CSU*

BUS M09B -- 1 Unit**Spreadsheets in Managerial Accounting**

Prerequisite: BUS M09A

Corequisite: BUS M02C

Class Hours: 1 lecture, 3 lab for 8 weeks

Examines the use of spreadsheet software to prepare amortization schedules, track/allocate manufacturing costs, prepare budgets and calculate internal rates of return. Introduces specialized accounting and finance functions. *Applies to Associate Degree. Transfer credit: CSU*

BUS M22A/B -- 1 to 3 Units Each**Independent Studies in Business**

Prerequisite: A previous course in Business

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of business through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU.*

BUS M28 -- 3 Units**Business English**

Prerequisite: None

Class Hours: 3 lecture

Develops fundamentals and mechanics of business English usage, reviewing grammar, sentence structure, punctuation, proofreading and written expression. Provides background for writing business letters and reports. *Applies to Associate Degree. Transfer credit: CSU*

BUS M30 -- 3 Units**Introduction to Business and Economics**

Prerequisite: None

Recommended Preparation: ENGL M02 or higher

Class Hours: 3 lecture

Examines basic concepts and functions of business and the resulting application of economic principles to the operation of business. Explores business organization, ethics, finance, accounting, securities markets, supply and demand, the banking system, and international business through practical applications. (Same course as Economics M30). *Applies to Associate Degree. Transfer credit: CSU; UC*

BUS M31 -- 3 Units**Introduction to Management**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30 and ENGL M02

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Introduces management concepts as applied to organization, team, and individual performance. Reviews organizational design, strategic planning, and the evolving role of management, leadership, and business ethics within an international environment. *Applies to Associate Degree. Transfer credit: CSU*

BUS M04 - Personal Finance
CSU

no listing
CIS M18

BUS M32 -- 3 Units**Small Business Management**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30 and ENGL M02

Class Hours: 3 lecture

Focuses on establishing and managing a business, including planning, financing, staffing, marketing, site selection, budgeting, legal concerns and regulatory issues. Clarifies rewards and perils of owning a business. *The Child Development Permit of Title 5 ECE/CD programs requires this course for Site Supervisors (Option 1) and Program Directors. (Same course as Child Development M42B). Applies to Associate Degree. Transfer credit: CSU*

BUS M33 -- 3 Units**Business Law**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30 and ENGL M02

Class Hours: 3 lecture

Examines fundamental legal principles pertaining to business transactions. Focuses on contract law. Explores the origins of legal systems and procedures, including sales, torts, real and personal property, bailments and consumer protection. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed — one course if combined with BUS M34. CAN: BUS 8*

BUS M34 -- 3 Units**Legal Environment of Business**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30 and ENGL M02

Class Hours: 3 lecture

Examines the legal system and its impact on business. Explores such topics as constitutional and administrative law, contracts, torts, product liability and advertising, property, environmental law, securities regulation, debtor-creditor relations, employer-employee relations, domestic/international trade, restraint of trade and antitrust. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed — one course if combined with BUS M33*

BUS M35 -- 3 Units**Sales Techniques**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30

Class Hours: 3 lecture

Introduces principles of personal selling, including strategies for addressing long-term selling relationships, different personality types, commitments, objections and closing the sale. *Applies to Associate Degree. Transfer credit: CSU*

BUS M37 -- 3 Units**Marketing**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30

Class Hours: 3 lecture

Introduces basic concepts and practices of modern marketing, including strategic planning, market research, buyer behavior, target marketing, new product development, pricing, advertising, and promotions. *Applies to Associate Degree. Transfer credit: CSU*

BUS M38 -- 3 Units**Advertising**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30

Class Hours: 3 lecture

Examines the role of advertising in business and introduces an integrated approach to marketing communication. Reviews consumer analysis, ad media, budgeting, market research, layout, copy writing, typography, and advertising agencies and opportunities. *Applies to Associate Degree. Transfer credit: CSU*

BUS M39 -- 3 Units**Business Communication Techniques**Prerequisite: None *ENGL 1A*

Recommended Preparation: ENGL M02 or BUS M28 and word processing skills

Class Hours: 3 lecture

Introduces effective business communication skills by preparing and analyzing business letters, reports and oral presentations. Emphasizes gathering, organizing, analyzing, and presenting information for decision making, interviewing and negotiating in a multicultural arena. *Applies to Associate Degree. Transfer credit: CSU*

BUS M42 -- 3 Unit**Business and Society**

Prerequisite: None

Class Hours: 3 lecture

Explores issues such as corporate responsibility, career/job satisfaction, workplace ethics, technological change and environmental health concerns through the analysis of modern literature, art and film. (Same course as HUM M42). *Applies to Associate Degree. Transfer credit: CSU*

BUS M51 -- 3 Units**Human Resources Management**

Prerequisite: None

Class Hours: 3 lecture

Examines how to obtain and develop an efficient work force. Includes human resource planning, recruitment, selection, placement, training, development, evaluation, termination, benefits and safety. *Applies to Associate Degree. Transfer credit: CSU*

BUS M54 -- 3 Units**Organizational Behavior**

Prerequisite: None

Recommended Preparation: BUS M30/ECON M30 and BUS M31

Class Hours: 3 lecture

Examines individual and group behavior in the contemporary workplace. Explores the impact of personal and environmental factors on group dynamics. Focuses on selecting and applying appropriate behavior management techniques. *Applies to Associate Degree. Transfer credit: CSU*

BUS M56 -- 3 Units**Business and Professional Speech**

Prerequisite: None

Class Hours: 3 lecture

Focuses on effective speaking skills needed in leadership positions, including an awareness of presentation techniques, group dynamics, argumentation and persuasion strategies, and organizational structure. Builds on individual needs and interests. (Same course as SPCH M56). *Applies to Associate Degree. Transfer credit: CSU*

BUS M60A-Z – 1 to 3 Units Each**Topics in Business**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**BUS M60B — 2.5 Units****VITA (Tax Assistance)**

Prerequisite: None

Class Hours: 8 lecture for 4 weeks

Reviews federal and state income tax returns and provides practical application by preparing returns at a tax assistance center. *Does not apply toward a degree.*

BUS M60E — 0.5 Unit**Sexual Harassment Seminar**

Prerequisite: None

Class Hours: 8 lecture for one day

Shows employers how to comply with California sexual harassment laws, recognize conduct that is prohibited, investigate claims that do arise, and train employees to prevent harassment from occurring. *Applies to Associate Degree. Transfer credit: CSU*

BUS M60F — 1 Unit**Quicken**

Prerequisite: None

Recommended Preparation: CIS M17

Class Hours: 1 lecture/3 lab for four weeks

Introduces financial software package to organize personal finances by setting up electronic checkbook registers for tracking transactions. Includes creating reports and graphs, tracking investments, managing savings and monitoring cash flow. (Same course as CIS M60F). *Applies to Associate Degree.*

BUS M80 -- 1 to 4 Units**Internship in Business**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

BUS M89A-Z -- 0.5 to 3 Units Each**Institutes in Business**

Prerequisite: None

Class Hours: As arranged

Series of special lectures and discussions on selected topics of interest in business/economics. Provided as needed. Only offered credit/no-credit. *Applies to Associate Degree.*

BUSINESS INFORMATION SYSTEMS

See courses in Computer Information Systems

CAREER DEVELOPMENT

See courses in Personal Growth

CHEMISTRY

A wide range of opportunities awaits the chemist in business, industry, government, and in the field of education. Approximately three-fourths of all chemists are employed by private industry in such fields as petroleum, primary metals, electrical equipment, aerospace, paper, food, and rubber.

Career Opportunities

Most careers require bachelors or graduate degree.

Chemist, Research Assistant, Chemical Analyst, Laboratory Technician, Genetic Engineering Technician, Restoration Technician, Museum, Food and Drug Agency Trainee, Art Restoration Specialist, Sanitation, Research Scientist, Biochemist, Science Writer, Patent Research, Science Abstractor, Pharmacy Assistant

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Full-Time

Eugene Berg, Deanna Franke, Robert Keil, Richard Kurtik, David Murphy

Part-Time

Dennis Anderson, Victoria Choi, Joe Escobar, Dennis Gehri, Gary Gilmartin, Vahak Harutunian, Marjorie Leerabhandh, William Lockman

Counselors

Letrisha Mai, Danita R. Redd

Chemistry Degree

Associate in Arts Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Chemistry. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Arts degrees in Chemistry offered by four-year institutions. Since the course work in chemistry is sequential, students may spend less time earning an Associate in Arts Degree and/or Bachelor of Arts Degree by deferring some of the university general education requirements until their Junior and Senior years and by giving priority to the requirements for a major in chemistry. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics – two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Chemistry – one year high school chemistry or CHEM M12 or equivalent.

Chemistry students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:	Units
CHEM M01A General Chemistry I	6
CHEM M01B ... General Chemistry II	6
CHEM M08 Elementary Organic Chemistry	4
CHEM M08L Organic Chemistry Lab	2
MATH M16A Applied Calculus I	3
MATH M16B Applied Calculus II	3
PHYS M10A/M10AL General Physics I/Lab	5
PHYS M10B/M10BL General Physics II/Lab	5
TOTAL minimum units required in major area	34

Suggested Course Sequence:First Semester

CHEM M01A	6
Total	6

Second Semester

CHEM M01B	6
Total	6

Third Semester

MATH M16A	3
PHYS M10A/M10AL	5
Total	8

Fourth Semester

CHEM M08	4
CHEM M08L	2
MATH M16B	3
PHYS M10B/M10BL	5
Total	14

See Degree Requirements and Transfer Information section for General Education requirements.

Chemistry Degree**Associate in Science Degree**

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Chemistry. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Science degrees in Chemistry offered by four-year institutions. Since the course work in chemistry is sequential, students may spend less time earning an Associate in Science Degree and/or Bachelor of Science Degree by deferring some of the university general education requirements until their Junior and Senior years and by giving priority to the requirements for a major in chemistry. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics – two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Chemistry – one year high school chemistry or CHEM M12 or equivalent.
- Physics – one-year high school physics or PHYS M10A or equivalent.

Chemistry students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:	Units
CHEM M01A General Chemistry I	6
CHEM M01B ... General Chemistry II	6
CHEM M08 Elementary Organic Chemistry	4
CHEM M08L Organic Chemistry Lab	2
MATH M25A Calculus with Analytic Geometry I	5
MATH M25B Calculus with Analytic Geometry II	5
MATH M25C Calculus with Analytic Geometry III	5
PHYS M20A/M20AL...Mechanics of Solids and Fluids/Lab	5
PHYS M20B/M20BL...Electricity and Magnetism/Lab	5
PHYS M20C/M20CL.Wave Motion, Heat, Optics & Modern Physics/Lab ..	5
TOTAL minimum units required in major area	48

Recommended Course: MATH M35**Suggested Course Sequence:**First Semester

CHEM M01A	6
MATH M25A	5
Total	11

Second Semester

CHEM M01B	6
MATH M25B	5
PHYS M20A/M20AL	5
Total	16

Third Semester

MATH M25C	5
PHYS M20B/M20BL	5
Total	10

Fourth Semester

CHEM M08	4
CHEM M08L	2
PHYS M20C/M20CL	5
Total	11

See Degree Requirements and Transfer Information section for General Education requirements.

Chemistry Courses**CHEM M1A -- 6 Units****General Chemistry I**

Prerequisites: CHEM M12 or year of high school chemistry and MATH M03 or eligibility for MATH M05 or higher

Class Hours: 5 lecture, 3 lab

Introduces atomic theory and stoichiometry; thermochemistry; quantum theory and electronic structure of atoms; chemical bonding and molecular structure; physical behavior of gases; states of matter and phase equilibria; solutions; titrations and qualitative analysis. Lab provides use of analytical balance; spectroscopy; gravimetric and volumetric analysis; stoichiometry; thermochemistry; solutions; titrations; qualitative analysis; colligative properties and distillations. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: CHEM 2, CAN CHEM SEQ A (CHEM M01A+M01B).*

CHEM M01B -- 6 Units**General Chemistry II**

Prerequisites: CHEM M01A and MATH M05 or eligibility for MATH M25 or higher

Class Hours: 5 lecture, 3 lab

Introduces phase equilibria; equilibria in gases and solutions; thermodynamics; chemical kinetics; precipitation reactions; acids and bases; complex ions; oxidation-reduction and electrochemistry; quantitative and qualitative analysis; and nuclear chemistry. Lab reviews equilibria; thermodynamics; chemical kinetics; electrochemistry; titrations and qualitative analysis. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: CHEM 4, CAN CHEM SEQ A (CHEM M01A+M01B).*

CHEM M07A -- 5 Units**General Organic Chemistry I**

Prerequisite: CHEM M01B

Class Hours: 3 lecture, 6 lab

Focuses on molecular structure, chemical and physical properties, and the preparation of organic compounds with an emphasis on reaction mechanism, structure determination, synthesis, and applications. Lab introduces appropriate methods, techniques, and instrumentation for the synthesis purification and identification of organic compounds. First semester course for majors requiring full year of organic chemistry. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed — 6 units if combined with CHEM M8 and M8L.*

CHEM M07B -- 5 Units**General Organic Chemistry II**

Prerequisite: CHEM M07A

Class Hours: 3 lecture, 6 lab

Continues study of functional groups such as carboxylic acids and their derivatives; carbonyls, amines and aromatics, emphasizing reaction mechanism; structure determination using nuclear magnetic resonance and infrared spectroscopy; synthesis and applications. Introduces study of biochemistry. Lab offers practical application of major concepts. *Applies to Associate Degree. Transfer credit: CSU; UC.*

CHEM M08 -- 4 Units**Elementary Organic Chemistry**

Prerequisite: CHEM M01A or CHEM M12

Class Hours: 4 lecture

Introduces properties and reactions of carbon compounds, emphasizing structure and mechanism. Reviews synthesis and characterization of organic compounds, nomenclature, and biochemistry. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed — 6 units if combined with CHEM M7A and M8L.*

CHEM M08L -- 2 Units**Organic Chemistry Lab**

Prerequisite: Completion of or enrollment in CHEM M08

Class Hours: 6 lab

Requires the synthesis, characterization and spectroscopic analysis of organic compounds. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed — 6 units if combined with CHEM M07A and M08.*

CHEM M12 -- 5 Units**Introductory Chemistry I**

Prerequisite: MATH M01 or eligibility for MATH M03 or higher

Class Hours: 4 lecture, 3 laboratory

Introduces basic principles of inorganic chemistry with reference to measurement, chemical nature of matter and energy; atomic theory, elements and compounds, periodic table, bonding, molecular structure, nomenclature, chemical reactions, equations, and calculations. Course fulfills prerequisites for CHEM M01A and CHEM M13. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations -- no credit at UC if taken after CHEM M01A. CAN: CHEM 6, CHEM SEQ B (CHEM M12+M13).*

CHEM M13 -- 5 Units**Introductory Chemistry II**

Prerequisite: CHEM M12 or one year of high school chemistry

Class Hours: 4 lecture, 3 lab

Introduces fundamental concepts of organic and biochemistry, including structure, nomenclature and reactions; metabolism of carbohydrates, lipids, proteins, and nucleic acids; and kinetics, equilibria, electrochemistry. Explores applications to agriculture, earth science, nutrition, and health sciences. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations -- no credit at UC if taken after CHEM M08, M09. CAN: CHEM 8, CHEM SEQ B (CHEM M12+M13).*

CHEM M22A/B -- 0.5 to 3 Units Each**Independent Studies in Chemistry**

Prerequisite: A previous course in Chemistry

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of chemistry through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CHEM M80 -- 1 to 4 Units**Internship in Chemistry**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

CHICANO STUDIES

This curriculum examines Chicano ethnic experiences in America from historical, social, cultural, and political perspectives. Study of the Chicano enables the student to better understand the rich heritage of the American Southwest as well as provides a baseline for further study of other ethnic groups.

Career Opportunities

Most careers require bachelors or graduate degree.

Diplomat Corps, Foreign Office, Foreign Correspondent, News Analyst, Writer, Import-Export Trader, Social Worker, Travel Guide, Translator, Company Representative, Advertising, Community Development

Dean

Al Nordquist, Phone (805) 378-1445

Faculty**Full-Time**

Tomás Sanchez

Counselor

Ofelia Romero-Motlagh

Chicano Studies Courses**CHST M01 -- 3 Units****The Chicano in Contemporary Society**

Prerequisite: None

Class Hours: 3 lecture

Explores the socioeconomic and political problems confronting the Chicano, emphasizing proposed solutions, similarities with other groups and the effects of social institutions on ethnic communities. (Same course as SOC M06). *CHST formerly ChSt. Applies to Associate Degree. Transfer credit: CSU; UC*

CHST M02 -- 3 Units**Chicano Culture**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Focuses on the social and cultural heritage of middle American Chicano civilizations from the Spanish conquest to the present, emphasizing contributions in the fine arts, literature, and oral history. (Same course as ANTH M04). *CHST formerly ChSt. Applies to Associate Degree. Transfer credit: CSU; UC*

CHST M03 -- 3 Units**Chicana Issues / La Mujer**

Prerequisite: None

Class Hours: 3 lecture

Explores race, class, and gender issues for Chicanas and other Latina women within a sociological framework. Focuses on class distinctions, ethnic/racial and gender identities, division of labor in various areas, and social conditioning regarding education, health, and religion. *CHST formerly ChSt. Applies to Associate Degree. Transfer credit: CSU, UC*

CHST M04 -- 3 Units**History of the Southwest**

Prerequisite: None

Class Hours: 3 lecture

Introduces history of the Chicano (pre-Columbian to present), emphasizing the Mexican settlement of the American Southwest as well as the development and contributions of the Chicano to that area. (Same course as HIST M04). *CHST formerly ChSt. Applies to Associate Degree. Transfer credit: CSU; UC*

CHST M08 -- 3 Units**Political Patterns in the U.S.**

Prerequisite: None

Class Hours: 3 lecture

Introduces fundamental principles of U.S. government, focusing on the state and local governments of the Southwest. Emphasizes the legislative process, political parties, pressure groups, local implementation policies and the political participation of Mexican-Americans. (Same course as Political Science M08). *CHST formerly ChSt. Applies to Associate Degree. Transfer credit: CSU; UC*

CHST M22A/B -- 1 to 3 Units each**Independent Studies -- The Chicano**

Prerequisite: A previous course in Chicano Studies

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of Chicano Studies through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *CHST formerly ChSt. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CHST M80 -- 1 to 4 Units**Internship in Chicano Studies**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *CHST formerly ChSt. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

CHILD DEVELOPMENT

The Child Development Program prepares students for an A.S. Degree in Child Development or for completion of certificates in Early Childhood Education, School Age Child Care, and the Child Development Permit levels of: Assistant, Associate Teacher, Teacher, Master Teacher and Site Supervisor. Students develop knowledge of subject matter and skills needed for success in transferring to a college or university as well as success in a variety of vocational areas. This program will be of interest to students who seek employment in any variety of positions such as teaching in or administering a preschool, working as playground or recreation supervisors, facilitating programs as parent educators and other positions involving work with children and their families.

Career Opportunities

Child development program teachers, Child development program directors, Infant caregivers, School-age program personnel, Kindergarten to grade 3 teachers and teaching assistant, Family daycare providers, Bilingual/bicultural program specialists, City/county school child development administrators, Language development specialists, Dance/motor development therapists, Curriculum developers, Child abuse prevention personnel, Children's resource and referral agency personnel, Child/family public policy advocates, Employer sponsored childcare consultants, Parent Educator, Children's book author, Children's television producer, Children's toy designer / marketer

Dean

Judith Gerbart, Phone (805) 378-1402

Faculty**Full-Time**

Linda Cravens, Jennifer Lynch

Part-Time

Rosalie Bergman, Dianne Cohn, Bonnie Houlst, Carol Howell, Jody Miller, Kathleen Reiter, Christabel Schadt, Dianne Smith, Kathleen VanAntwerp

Counselors

Mike Johnson, Ofelia Romero-Motlagh

Child Development Degree

Associate in Science Degree

This program offers comprehensive training of students who wish to work with young children in Early Childhood settings and to those who wish to transfer to four year universities and colleges. Career opportunities are increasing and are available to both men and women.

Required Courses:	Units
CD M30 Human Development	3
CD M32 Child Nutrition, Health & Safety	2
CD M36 Equity Issues in ECE	3
CD M38 Practicum I - Observation	3
CD M39A Practicum II - Participation	3
CD M39B Practicum III -Field Experience	3
CD M40 Child/Family/Community	3
CD M41 Programs in ECE	3
CD M43 ECE Adult Communication	3

Required Additional Courses:

Select six (6) units from the following courses:

CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3
TOTAL minimum units required in major area	32

See Degree Requirements and Transfer Information section for General Education requirements.

Courses required by State of California for minimum 12 units for entry-level employment (Title 22) :

CD M30 Human Development	3
CD M40 Child/Family/Community	3
CD M41 Programs in ECE	3
Select three (3) units from the following courses:	
CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science & Math in ECE	3
CD M54 Language Arts in ECE	3

Early Childhood Education Certificate

Certificate of Achievement

This program offers training to students interested in working with young children in public and private early childhood settings.

Required Courses:

CD M30 Human Development	3
CD M32 Nutrition/Health/Safety	2
CD M36 Equity Issues in ECE	3
CD M38 Practicum I —Observation	3
CD M39A Practicum II—Participation	3
CD M39B Practicum III—Field Experience	3
CD M40 Child/Family/Community	3
CD M41 Programs in ECE	3
CD M43 ECE Adult Communication	3

Required Additional Courses:

Select six (6) units from the following courses:

CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3
TOTAL minimum units required	32

School Age Child Care Certificate

Certificate of Achievement

This program offers training to students who are interested in being employed in School Age Child Care settings such as Family Day Care, Recreation Programs, and Before- and After- School Programs. Qualified students may also progress to administrative positions as directors of School Age Programs.

Required Courses:	Units
CD M30 Human Development	3
CD M40 Child/Family/Community	3
CD M45 School Age Programs	3
CD M32 Nutrition/Health/Safety	2
select three (3) units from the following courses:	
CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3
TOTAL minimum units required	14

Child Development Permits

The following Certificates of Achievement apply to students who may seek employment in Title 5 or federally funded programs such as Head Start, State Preschool or Migrant Preschool Programs. Students completing the Child Development Permits listed must meet all requirements and apply for the permit through the California Commission on Teacher Credentialing. The Certificates of Completion or Achievement cover only the coursework required at each permit level. Students must complete additional experience requirements before making application to the state for any Child Development permits.

Child Development Assistant Permit

Certificate of Completion

This permit level will authorize the holder to care for and assist in the development and instruction of children in a child care setting under the supervision of a Child Development Associate Teacher level or above.

Requirements for Certificate:

CD M30 Human Development	3
CD M41 Programs in ECE	3
TOTAL minimum units required	6

Child Development Associate Teacher Permit

Certificate of Completion

This permit will authorize the holder to provide service in the care, development and instruction of children in a child care and development program, and to supervise a Child Development Assistant.

Requirements for Certificate:

CD M30 Human Development	3
CD M40 Child, Family and Community	3
CD M41 Programs in ECE	3
plus one of the following:	
CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3

Also required before application for Child Development Associate Teacher Permit: Completion of 50 days of experience in an instructional capacity in a child care and development program, working at least 3 hours per day within the last 2 years. (Experience may include paid and/or volunteer work.)

Child Development Teacher Permit

Certificate of Achievement

This permit level authorizes the holder to provide services in the care, development, and instruction of children in a child development program, and supervise a Child Development Associate Teacher, a Child Development Assistant, and an aide.

Requirements for Certificate:

Option 1 (All of A and B below)

A. Courses	Units
CD M30 Human Development	3
CD M38 Practicum I - Observation	3
CD M40 Child, Family, and Community	3
CD M41 Programs in ECE	3
CD M39A Practicum II - Participation	3
CD M39B Practicum III - Field Experience	3
CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3
TOTAL minimum units required	24

B. Completion of sixteen diversified semester units in general education (at least one course in each of the following areas: Humanities and/or Fine Arts; Social Sciences; Math and/or Science; and English/Language Arts).

Also required before application for Child Development Teacher Permit: Completion of 175 days of experience in an instructional capacity in a child care and development program, working at least three hours per day within the last four years. (Experience may include paid and/or volunteer work.)

Or Option 2:

Completion of an Associate of Arts degree in early childhood education or child development or a related field, with a three- semester unit supervised field experience in an early childhood educational setting.

Also required before application for Child Development Teacher Permit: Completion of 175 days of experience in an instructional capacity in a child care and development program, working at least three hours per day within the last four years. (Experience may include paid and/or volunteer work.)

Child Development Master Teacher Permit

Certificate of Achievement

Requirements for Certificate: (All of A, B, C and D)

A. Courses:	Units
CD M30 Human Development	3
CD M41 Programs in ECE	3
CD M40 Child, Family and Community	3
CD M38 Practicum I - Observation	3
CD M39A Practicum II - Participation	3
CD M39B Practicum III - Field Experience	3
plus two of the following:	
CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3
TOTAL minimum units required	24

B. Completion of sixteen diversified semester units in general education (at least one course in each of the following areas: Humanities and/or Fine Arts; Social Sciences; Math and/or Science; and English/Language Arts).

C. Completion of six additional semester units in an area of specialization which may include:

Course	Units
CD M31 Infant Studies	3
CD M32 Nutrition, Health & Safety	2
CD M36 Equity Issues	3
CD M43 ECE Adult Communications	3
CD M44 Parent Education	3
CD M45 School Age Programs	3

Specific curriculum courses not taken as part of the basic 24 units:

CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3

and all CD M60 or CD M89 courses

D. Completion of two semester units in CD M46 - Adult Supervision in ECE / CD Classrooms.

Also required before application for Child Development Master Teacher Permit: Completion of 350 days of experience in an instructional capacity in a child care and development program, working at least 3 hours per day within the last 4 years. (Experience may include paid and/or volunteer work.)

Child Development Site Supervisor Permit

Certificate of Achievement

This level authorizes the holder to supervise a child care and development program operating at a single site, provide care, development, and instruction of children in a child care and development program, and serve as a coordinator of curriculum and staff development in a child care and development program.

Requirements for Certificate: (All of A, B, C and D)

A. Completion of an Associate of Arts Degree or 60 semester units.

B. Degree must include completion of twenty-four units in child development.

Course	Units
CD M30 Human Development	3
CD M41 Programs in ECE	3
CD M40 Child, Family, and Community	3
CD M38 Practicum I - Observation	3
CD M39A Practicum II - Participation	3
CD M39B Practicum III - Field Experience	3
plus two of the following:	
CD M51 Music in ECE	3
CD M52 Art in ECE	3
CD M53 Science and Math in ECE	3
CD M54 Language Arts in ECE	3
TOTAL minimum units required	24

C. Degree must include completion of six additional semester units of course work in the administration and supervision of child care and development programs.

Course	Units
CD M42A Administration in ECE-1	3
CD M42B Small Business Administration	3

D. Degree must include completion of two semester units of CD M46 - Adult Supervision in ECE/CD Classrooms.

Also required before application of Child Development Site Supervisor Permit: Completion of 350 days of experience in an instructional capacity in a child care and development program, working at least three hours per day within the last four years. Experience must include at least 100 days of supervising adults in a child care and development program. (Experience may include paid and/or volunteer work.)

CD M01 - careers CSU

Child Development Courses

**CD M22A/B – 1 to 3 Units Each
Independent Studies in Child Development**

Prerequisite: A previous course in Child Development
Class Hours: 1 to 3 as arranged
Allows an independent project (approved by instructor and dean) to expand knowledge of child development through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU*

**CD M30 -- 3 Units
Human Development**

Prerequisite: None
Class Hours: 3 lecture
Introduces human development from the prenatal period to adolescence, emphasizing cognitive, biosocial and psychosocial development. Applies research and theory to current issues and challenges regarding the developing human. *Applies to Associate Degree. Transfer credit: CSU; UC; CAN: HEC 14 (combined with PSY M07 - maximum credit one course). FCS*

**CD M31 -- 3 Units
Infant Studies**

Prerequisite: None
Class Hours: 3 lecture
Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Explores infant/toddler care based on developmental need, emphasizing curriculum planning, environment design and observation. Also addresses children with special needs and diverse cultural backgrounds. *Applies to Associate Degree. Transfer credit: CSU*

**CD M32 -- 2 Units
Child Nutrition, Health & Safety**

Prerequisite: None
Class Hours: 2 lecture
Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 30 contact hours. Explores health protection and resources provided by the home, school, and community, emphasizing prevention of infectious disease, preventative health practices, prevention policies, injury prevention, disaster preparedness, nutrition, child abuse identification and prevention, children with special needs, and care of the mildly ill child. Complies with current legal statutes. Requires taking pediatric first aid and pediatric CPR. *Applies to Associate Degree. Transfer credit: CSU*

**CD M36 — 3 Units
Equity Issues in ECE**

Prerequisite: None
Class Hours: 3 lecture
Introduces equity issues, including family lifestyle, economics, gender, special needs and culture/ethnicity. *Applies to Associate Degree. Transfer credit: CSU*

**CD M38 -- 3 Units
Practicum 1 - Observation**

Prerequisite: None
Recommended Preparation: Completion of or current enrollment in CD M30
Class Hours: 2 lecture, 3 lab
Introduces child observation techniques based on theories of Human Development. Requires use of specific tools to observe children's development, activities, classroom materials and environment in both the campus Child Development Center and within other community-based programs. *Applies to Associate Degree. Transfer credit: CSU*

CD M38L - 1 unit - CSU

**CD M39A -- 3 Units
Practicum 2 - Participation**

Prerequisite: None
Recommended Preparation: CD M30
Class Hours: 2 lecture, 3 lab
Introduces procedures and practices for teaching young children in a range of settings: family day-care, pre-schools, center-based childcare or Head Start Centers. Offers practical experience applying theories of human development while teaching in the Child Development Center. Requires proof of negative TB clearance as well as Fingerprint/FBI/Child Abuse Index clearances. *Applies to Associate Degree. Transfer credit: CSU*

**CD M39B -- 3 Units
Practicum 3 - Field Experience**

Prerequisites: CD M30, CD M38 and CD M39A
Class Hours: 2 lecture, 3 lab
Expands knowledge of human development, emphasizing Piaget's cognitive theories, observation techniques, and assessment tools. Includes guided student teaching. Requires three hours a week student teaching in a community program, allowing further application of theory to practical situations. Requires proof of negative TB clearance as well as Fingerprint/FBI/Child Abuse Index clearances. *Applies to Associate Degree. Transfer credit: CSU*

**CD M40 -- 3 Units
Child / Family / Community**

Prerequisite: None
Class Hours: 3 lecture
Facilitates awareness of the interaction and interdependency of home, school, and community by introducing methods of advocacy, exploration of community resources and application of theory to contemporary social issues. *Applies to Associate Degree. Transfer credit: CSU*

**CD M41 -- 3 Units
Programs in ECE**

Prerequisite: None
Recommended preparation: CD M30
Class Hours: 3 lecture
Reviews history and philosophies of early childhood education, introducing developmentally appropriate practices, career paths, teacher's role, learning theories, classroom discipline, curriculum development and lesson plans. *Applies to Associate Degree. Transfer credit: CSU*

**CD M42A -- 3 Units
Administration and Supervision in ECE - 1**

Prerequisites: CD M30; CD M40; CD M41; and one of the following: CD M51, M52, M53 or M54
Class Hours: 3 lecture
Introduces principles and practices of administering a child development program, emphasizing administrative needs; personnel and staffing parameters; parent/teacher relations and education; licensing requirements; professional development; grant and proposal writing; specific personnel management skills; and communication. Course required by the Child Development Permit for Title 5 ECE/CD programs for Site Supervisors (Option 1) and Program Directors. *Applies to Associate Degree. Transfer credit: CSU.*

CD M16 - New course
Behavior Mgt. - CSU

CD M42B — 3 Units**Small Business Management**

Prerequisite: None

Recommended Preparation: BUS/ECON M30 and completion of ENGL M02

Class Hours: 3 lecture

Focuses on establishing and managing a business, including planning, financing, staffing, marketing, site selection, budgeting, legal concerns and regulatory issues. Offers realistic understanding of owning a business. Course required by the Child Development Permit for Title 5 ECE/CD programs for Site Supervisors (Option 1) and Program Director. (Same course as BUS M32). *Applies to Associate Degree. Transfer credit: CSU*

CD M43 -- 3 Units**Adult Communications**

Prerequisite: None

Class Hours: 3 lecture

Introduces effective communication between parents, teachers and caregivers, reviewing impact of significant adults on children, historical perspective of parental involvement, and facilitation of communication with parents. Emphasizes parent-teacher conferencing techniques and procedures to develop a positive working relationship. *Applies to Associate Degree. Transfer credit: CSU*

CD M44 -- 2 Units**Parent Education**

Prerequisite: None

Class Hours: 2 lecture

Introduces skills and resources that promote more effective parent and child interactions, applying developmental theories, principles and techniques. Reviews culture, race, ethnicity, family structures, economics, class, gender and special needs equity issues. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

CD M45 -- 3 Units**School Age Programs**

Prerequisite: None

Class Hours: 3 lecture

Introduces the care of school age children, providing practical background and experience through before-and-after school and recreation programs. Emphasizes developmentally appropriate curriculum. Includes information pertaining to family and school coordination and community resources. *Applies to Associate Degree. Transfer credit: CSU.*

CD M46 -- 2 Units**Adult Supervision in ECE/CD Classrooms**Prerequisites: CD M30, CD M40, CD M41 and one of the following: CD M51, M52, M53 or M54

Class Hours: 2 lecture

Introduces methods and principles of supervising student teachers, assistant teachers, parents and volunteers. Emphasizes varying strategies to help address needs of children, parents and staff. Course required by the Child Development Permit for Title 5 ECE/CD programs for Master Teachers, Site Supervisors and Program Directors. *Applies to Associate Degree. Transfer credit: CSU.*

CD M51 -- 3 Units**Music in ECE**

Prerequisite: None

Class Hours: 3 lecture

Introduces creative movement, dance rhythm, and song as essential components of the physical, social, emotional, creative and cognitive development of young children. Focuses on critical analysis of developmentally appropriate activities and appreciation of diversity. Encourages integration and application of music throughout the curriculum. *Transfer credit: CSU*

CD M52 -- 3 Units**Art in ECE**

Prerequisite: None

Class Hours: 3 lecture

Introduces developmentally appropriate art curriculum and reviews art as an essential component of physical, social, emotional, creative and cognitive growth. Focuses on integration, presentation and evaluation of art activities, media and resources throughout the curriculum. *Applies to Associate Degree. Transfer credit: CSU*

CD M53 -- 3 Units**Science & Math in ECE**

Prerequisite: None

Class Hours: 3 lecture

Introduces theoretically sound and developmentally appropriate science and math curriculum. Emphasizes the facilitation of the inquiry approach to experiencing science and math as well as the development and evaluation of curricular materials. *Applies to Associate Degree. Transfer credit: CSU*

CD M54 -- 3 Units**Language Arts in ECE**

Prerequisite: None

Class Hours: 3 lecture

Introduces current research in children's literature and language arts and demonstrates theoretical classroom applications. Emphasizes evaluation of developmentally appropriate experiences and materials that support language as a tool allowing communication, creativity, and logical thinking. *Applies to Associate Degree. Transfer credit: CSU*

CD M60A-Z – 1 to 3 Units Each**Topics in Child Development**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**CD M60A -- 1.5 Units****Toddlers Program**

Prerequisite: None

Class Hours: 1.5 lecture

Provides an environment to study and observe toddlers in a naturalistic setting. Focuses on developmental stages, issues, concerns, educational programs, and developmentally appropriate materials. Registration of children for this class is done through the Child Development Center. *All children must meet California immunization guidelines. May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU*

Classroom
CD M60B -- 3 Unit
Behavior Management in ECE

Prerequisite: None
 Class Hours: 16 lecture total
 Introduces behavior management techniques that integrate sound developmental theory with practical application in a variety of early childhood settings. Intended for majors or current care-givers. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

CD M60C -- 1 Unit
Developing Cognitive Group Times in ECE

Prerequisite: None
 Class Hours: 16 lecture total
 Introduces developmental sequences for a variety of cognitive group experiences introduced in early childhood programs. Intended for majors or current care-givers. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

CD M60D -- 1 Unit
Exploring in ECE - Part 1

Prerequisite: None
 Class Hours: 16 lecture total
 Introduces integrated developmentally appropriate experiential curriculum, emphasizing free exploration techniques, cooperative learning, center set-up, and implementation and individualization in providing learning experiences. Includes Rocks, Dinosaurs, Bubbles, Rainbows, Mixing Color, Mathematics Games, Fingerprints, and Cooking and other Chemical Changes. Intended for majors or current care-givers. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

CD M60E -- 1 Unit
Exploring in ECE - Part 2

Prerequisite: None
 Recommended Preparation: CD M60D
 Class Hours: 16 lecture total
 Expands integrated developmentally appropriate experiential curriculum, emphasizing free exploration techniques, cooperative learning, center set-up, and implementation and individualization in providing more advanced learning experiences. Includes Shadows, Environment, Rivers, Opticals, Rocks, Salt, Erosion, Friction, Ants, Insects, Mapping, Blocks, and Conservation Experiences. Intended for majors or current care-givers. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

CD M60H -- 1 Unit
Parenting Young Children

Prerequisite: None
 Class Hours: 16 lecture total
 Introduces sound parenting principles geared especially to the challenge of parenting babies, toddlers, and preschoolers. With the guidance of a competent instructor, parents interact with the materials and each other to understand children's needs and behaviors. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

*CD M60-K -- 1 unit
 CSU*

CD M60J — 0.5 Unit
Child Development Permit: Professional Growth Advisor Training

Prerequisite: None
 Class Hours: 8 lecture for 1 week
 Introduces methods and principles of being a Professional Growth Advisor for the Child Development Permit. Emphasizes the formulation and implementation of the Professional Growth Plan as directed by the Commission on Teacher Credentialing. Stresses the mentoring role of the Professional Growth Advisor and includes setting long-range goals, recognizing and planning acceptable activities to meet goals, and completing and filing official paperwork required by the Commission. Completing course qualifies individuals to become Professional Growth Advisor, if they also hold teacher permit and have more than three years of experience teaching or serving as a director in a child development program. *Applies to Associate Degree. Transfer credit: CSU*

CD M80 – 1 to 4 Units
Internship in Child Development

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.
 Class Hours: 5 to 20 lab as arranged
 Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

CD M89A-Z -- 0.5 to 3 Units Each
Institutes in Child Development

Prerequisite: None
 Class Hours: As arranged
 Short workshop series designed for preschool and day-care personnel. Increases effective communication with children, parents, staff and community agencies through increased understanding and acquired skills. Only offered credit/no-credit. *Applies to Associate Degree.*

CD M89A — 0.5 Unit
Movement and Rhythm for Early Childhood

Prerequisite: None
 Class Hours: 8 hours total
 Introduces music, movement and rhythm theories and activities for the preschool child. Explores age-appropriate activities for the physical, cognitive, and psychosocial domains of development.

CD M89C — 0.5 Unit
Practical Ideas for Teaching Young Children

Prerequisite: None
 Class Hours: 8 hours total
 Develops knowledge base as well as practical realistic steps to successfully work with children, whether in the home or community setting. Intended for preschool and day-care personnel but appropriate for parents as well. Requires practical application.

Computer Courses at Moorpark College

Computer Information Systems		Computer Science Network
Business Support Systems	Information Systems	CS + CNSE
Career Opportunities		Career Opportunities
<p>Administrative Assistant, Executive Assistant, Office Coordinator, Administrative Support Staff, Administrative Secretary, Customer Service Rep., Data Entry Operator, Computer Operator, Computer Trainer, Receptionist, Word Processor, Personal Use, etc.</p>	<p>Systems Analyst, Network Administrator, Computer Consultant, Computer Network Technician, Customer Service Support Tech., Office Systems Manager, Data Processing Manager, etc.</p>	<p>Computer Programmer, Software Engineer, System Designer, Operational Research Manager, Computer Lab Technician, Scientific Programmer, etc.</p>
<p>Keyboarding Classes</p> <ul style="list-style-type: none"> • CIS M10 Keyboarding Review • CIS M11 Basic Computer Keyboarding • CIS M12 Intermediate Computer Keyboarding • CIS M13 Computer Keyboarding / Speed Building • CIS M14 10-Key Master on the Computer <p>Introductory Classes</p> <ul style="list-style-type: none"> • CIS M15 Introduction to the Personal Computer • CIS M17 Introduction to Windows 98 <p>Application Classes</p> <ul style="list-style-type: none"> • CIS M20 Microsoft Word Part 1 • CIS M21 Microsoft Word Part 2 • CIS M23 Microsoft Word Part 3 • CIS M24 Microsoft Excel Part 1 • CIS M25 Microsoft Excel Part 2 • CIS M26 Microsoft Access • CIS M27 Microsoft PowerPoint • CIS M28 Microsoft Office <p>Internet/Special Classes</p> <ul style="list-style-type: none"> • CIS M60C Internet & World Wide Web • CIS M60D Web Page Design 	<p>Introductory Classes</p> <ul style="list-style-type: none"> • CIS M16 Introduction to Information Systems Programming Classes • CIS M40 Windows Programming: Visual Basic 1 • CIS M41 Windows Programming: Visual Basic 2 <p>Networking/Systems Analysis Classes</p> <ul style="list-style-type: none"> • CIS M50 Introduction to Local Area Networks • CIS M51 Introduction to Novell Client/Server • CIS M52 Introduction to Windows NT Workstation/Server • CIS M53 Systems Analysis and Design <p>Internet/Special Classes</p> <ul style="list-style-type: none"> • CIS M22A/B Independent Studies in Information Systems • CIS M60C Internet & World Wide Web • CIS M60D Web Page Design 	<p>Introductory Classes</p> <ul style="list-style-type: none"> • CS M01 Fundamentals of Computers and Programming/C • CS M02 Introduction to UNIX and C • CS M03 Introduction to Computer Hardware and Systems Software <p>Programming Classes</p> <ul style="list-style-type: none"> • CS M10A Introduction to Programming with C • CS M10B Object-Oriented Programming Using C++ • CS M10C Windows Programming Using C++ • CS M10J Java Programming Fundamentals • CS M18 Computer Programming - FORTRAN • CS M19 Software Engineering with Ada • CS M20 Data Structures and Program Design • CS M30 Assembly Language • CS M40 Computer Architecture • CS M50 Files and Data Bases • CS M60 Concepts of Programming Languages <p>Networking/Special Classes</p> <ul style="list-style-type: none"> • CNSE M30 Implementing and Supporting MS Windows NT Workstation • CNSE M31 Implementing and Supporting MS Windows NT Sever • CNSE M32 Networking Essentials • CNSE M33 Implementing and Supporting MS Windows 95 • CNSE M34 Internetworking with MS TCP/IP on MS Windows NT • CNSE M35 System Administration of MS SQL Server 6.0

* Please see page 61 for certificates available in these areas.

CAD

See Courses in Drafting

COL
COL M01 - 3 units ~~es4~~

COMMUNICATIONS

Communications is a broad term that describes a general field of study. Moorpark College offers three primary career paths within communications in addition to preparation in four related career options. Here is a brief comparison of the three primary career paths:

Communications

An interdisciplinary academic program.

Introduces students to the field of study and professions within communications.

Includes an introduction to the core disciplines within communications such as English, speech, graphics, journalism, and radio/television.

Prepares students for transfer to university communications programs.

Interdisciplinary approach enhances students' flexibility for transfer and professional development.

See the Associate of Arts Degree requirements below.

Radio/Television

Both an occupational and transfer program.

Trains students to work in education or commercial radio or television and related fields such as motion pictures, promotion, and post-production.

Includes broadcast journalism, writing, production techniques, performance, advertising, and management.

Includes local internship opportunities in radio/television, motion pictures, promotion, and post-production.

Academic focus is the study of mass communications.

See the Associate of Science Degree requirements on page 23.

Journalism

Both an occupational and transfer program.

Trains student to work at entry-level as editorial clerk, reporter, lay-out workers, advertising assistants, and production related jobs.

Includes new writing and reporting, copy editing, newspaper production, broadcast journalism, and public relations.

Includes local internship opportunities at newspapers.

Academic focus is the study of the mass communications.

See the Associate of Science Degree requirements on page 23.

Dean

Sid Adler, Phone (805) 378-1443

Communications Degree

Associate in Arts Degree

This program will provide students with a basic understanding of communications course offerings and professions in preparation for transfer to most universities and professional schools. The interdisciplinary approach further enhances students' flexibility for transfer and professional development.

Core Curriculum

	Units
ENGL M01A* .. English Composition	3
SPCH M01* Introduction to Speech	3
BUS M37 Marketing	3
or	
BUS M38 Advertising	3
GR M10 Intro to Graphics	3
GR M20 Macintosh and IBM Operating Systems/Graphics	3
JOUR M01/RT M01* Mass Media and Society	3
JOUR M02* News Reporting and Writing	3
PHOT M01A* .. Beginning Photography	3
RT M02A TV Studio Operations	3
RT M07A Radio Production Workshop	3
RT M05/ENGL M05 Radio Television Script Writing	3

* These courses can count toward general education requirements.

An additional six (6) units from one of the following areas:

Graphics, Journalism, Photography, or Radio-Television

Recommended Courses:

HIST M05, M07A, M07B; HUM M03, M04; JOUR M12, M14, POLS M01, M02, M03; SPCH M03

COMPUTER INFORMATION SYSTEMS

This program provides basic computer skills for students with the goal of immediate employment in business or industry. Three tracks are provided: (1) Microcomputer Applications, with emphasis on business computer applications; (2) traditional Information Systems, with emphasis on the use of large-scale computers and (3) Microcomputer Systems, with emphasis on office computer systems. See chart on previous page.

Career Opportunities

Tape Librarian, Applications Programmer, Systems Analyst, Administrative Assistant, Software Engineer, Applications Development, Computer Operator, Software Testing Specialist, Network Specialist, Information Systems Specialist, LAN Administrator, Computer Marketing/Sales Rep, Computer Consultant, Microprocessing Technologist, Microcomputer Trainer, Technical Support Specialist, Office Systems Manager, Office Coordinator, Receptionist, Word Processor, Computer Trainer, Customer Service Rep., Administrative Support Staff, Data Entry Operator, Executive Assistant, Administrative Secretary, Customer Services Support Tech.

Dean

To be announced, Phone (805) 378-1572

Faculty

Full-Time

Shay Collier, Mary Mills, Kathleen Young

Part-Time

Stephen Abrams, Ronald Barry, Bruce Bassin, Guy Campbell, Joane Cantrell, Chitra Chandavarkar, Mary Steppes-Cole, Barbara Crippen, Maria Ellis, Victor Jadaon, Cathy Kriss, Larry Lace, Marjean Lewis, Kelly Macone, Delores Moon, Hank Moon, Lorraine Shinder, Ernest Williams, Carol Wyenn, Diane Young

Counselors

Denice Avila, Chuck Brinkman

Information Systems Certificate

Certificate of Achievement

Students learn basic skills of computer information systems with the goal of immediate employment in business or industry utilizing computer information systems techniques and equipment.

Required Courses:	Units
BUS M02A Financial Accounting Principles I	3
BUS M02B Financial Accounting Principles II	3
BUS M30 Intro to Business and Economics	3
CIS M16 Intro to Information Systems	3
CIS M16L Introduction to Information System Lab	1
CIS M40 Windows Programming: Visual BASIC I	3
CIS M40L CIS Visual BASIC I Lab	1
CIS M41 Windows Programming: Visual BASIC II	3
CIS M41L CIS BASIC II Lab	1
CIS M53 Systems Analysis	3

Plus either:

CIS M42 Computer Programming I: COBOL	3
CIS M42L CIS COBOL I Lab	1
CIS M43 Computer Programming II: COBOL	3
CIS M43L CIS COBOL II Lab	1
or	
CIS M50 Introduction to Local Area Networks	4
and	
CIS M51 Introduction to Novell Client/Server	3
or	
CIS M52 Intro to Windows NT Workstation/Server	4
TOTAL minimum units required	31 or 32

Recommended: CS M18/M18L; ECON M01, M02

With suitable General Education courses, this option may be used to obtain an Associate in Science Degree.

Microcomputer Applications

Certificate of Completion

This program offers basic and advanced training in a variety of widely used computer application programs. It is intended to provide instruction to students seeking employment, as well as those already employed but requiring upgrading of computer skills. Successful program completion will provide comprehensive training toward entry-level positions in an assortment of occupations and in local businesses/industry.

Required Courses:	Units
BUS M39 Business Communications	3
CIS M12 Intermediate Computer Keyboarding	1
or ability to type 30 wpm	
CIS M15 Introduction to the Personal Computer	1.5
CIS M17 Introduction to Windows 98	1.5

Choose and additional 6 units:

CIS M20 Word for Windows Part 1	1.5
CIS M21 Word for Windows Par 2	1.5
CIS M24 Excel for Windows Part 1	1.5
CIS M25 Excel for Windows Part 2	1.5
CIS M26 Access for Windows	1.5
CIS M27 PowerPoint for Windows	1.5
CIS M28 Microsoft Office	3
Total Minimum units required	13

Microcomputer Systems Certificate

Certificate of Achievement

Students learn basic skills of computer information systems with the goal of immediate employment in business or industry utilizing computer information systems techniques and equipment.

Required Courses:

Units

BUS M02A Financial Accounting Principles I	3
and	
BUS M02B Financial Accounting Principles II	3
or	
BUS M08 Computerized Accounting	2
CIS M15 Introduction to the Personal Computer	1.5
CIS M16 Introduction to Information Systems	3
CIS M16L Information Systems Lab	1
CIS M17 Introduction to Windows 95	1.5
CIS M20 Microsoft Word Part 1	1.5
CIS M21 Microsoft Word Part 2	1.5
CIS M23 Microsoft Word Part 3	1.5
CIS M27 Microsoft PowerPoint	1.5
CIS M40 Windows Programming: Visual BASIC I	3
CIS M40L Visual BASIC I Lab	1
CIS M41 Windows Programming: Visual BASIC II	3
CIS M41L Visual BASIC II Lab	1
CIS M50 Introduction to Local Area Networks	4
TOTAL minimum units required	30 or 31

Recommended: CIS M42/M42L; ECON M01, M02

With suitable General Education courses, this option may be used to obtain an Associate in Science Degree.

Computer Information Systems Courses

The UC system allows credit for the first 6 courses taken in either Computer Information Systems, Computer Science or some combination.

CIS M10 -- 0.5 Unit

Keyboarding Review

Prerequisite: None

Recommended Preparation: A previous course in typing/keyboarding

Class Hours: 3 lab for 8 weeks

Reviews existing typing/keyboarding skills. Can receive credit in CIS M10 or CIS M11, not both. Formerly BIS 1R. *Applies to Associate Degree.*

CIS M11 -- 1 Unit

Basic Computer Keyboarding

Prerequisite: None

Class Hours: 6 lab for 8 weeks

Introduces basic keyboarding techniques, emphasizing speed and accuracy to 20 words per minute. Works in a custom-designed program in Microsoft Word. No previous computer/typewriter experience required. Not recommended for those who have taken a previous typing/keyboarding class. Can receive credit in CIS M10 or CIS M11, not both. May be taken two (2) times for credit. Formerly BIS M1. *Applies to Associate Degree.*

CIS M12 -- 1 Unit

Intermediate Computer Keyboarding

Prerequisite: CIS M10 or CIS M11 or ability to type 20 wpm

Class Hours: 6 lab for 8 weeks

Introduces students to figure and symbol skills and develops speed and accuracy through a custom-designed program in Microsoft Word. Formerly BIS 2. *Applies to Associate Degree.*

CIS M13 -- 1 Unit**Computer Keyboarding / Speed Building**

Prerequisite: CIS M12 or the ability to type 35 wpm

Class Hours: 6 lab for 8 weeks

Emphasizes continued development of speed and accuracy through a programmed series of timings and drills customized to individual needs. Grade based on improvement. May be taken two (2) times for credit. Formerly BIS 3. *Applies to Associate Degree.*

CIS M14 -- 1 Unit**10-Key Mastery on the Computer**

Prerequisite: None

Class Hours: 1 lecture, 3 lab for 8 weeks

Builds mastery of the numeric keyboard and develops speed and accuracy for data entry as well as spreadsheet and database applications in a work environment. Formerly BIS 6. *Applies to Associate Degree.*

CIS M15 -- 1.5 Units**Introduction to the Personal Computer**

Prerequisite: CIS M11

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces computer terminology and concepts, emphasizing software installation, computer system expansion, computer purchase, and e-mail/Internet use. May be taken three (3) times for credit. Only offered credit/no-credit. Formerly BIS 10A. *Applies to Associate Degree.*

CIS M16 -- 3 Units**Introduction to Information Systems**

Prerequisite: None

Corequisite: CIS M16L

Recommended Preparation: CIS M11

Class Hours: 3 lecture

Introduces history, development and application of information processing systems, emphasizing the microcomputer. Includes hands-on experience solving problems and writing/executing programs in the language QBASIC. Meets requirements of the DPMA Model Curriculum. May be taken two (2) times for credit. Formerly CIS 1. *Applies to Associate Degree. Transfer credit: CSU.*

CIS M16L -- 1 Unit**CIS Introduction Lab**

Prerequisite: None

Corequisite: CIS M16

Class Hours: 3 lab

Provides hands-on practice with Microsoft Office 97 and QBASIC on an IBM PC platform with Windows 95 or Windows NT. May be taken two (2) times for credit. Only offered credit/no-credit. Formerly CIS 1L. *Applies to Associate Degree. Transfer credit: CSU.*

CIS M17 -- 1.5 Units**Introduction to Windows 98**

Prerequisite: None

Recommended Preparation: CIS M15

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces the Windows 98 operating system, emphasizing running programs, entering/moving data, and performing DOS-related tasks. Includes program and file management using Explorer, Paint and WordPad. May be taken three (3) times for credit. Formerly BIS 19. *Applies to Associate Degree. Transfer credit: CSU*

CIS M20 -- 1.5 Units**Microsoft Word Part 1**

Prerequisite: CIS M17

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces Microsoft Word for Windows, including creating and editing a Word document; formatting characters, paragraphs, and pages; changing fonts; using tools such as spell check; and manipulating formatting tools. May be taken three (3) times for credit. Formerly BIS 21A. *Applies to Associate Degree. Transfer credit: CSU*

CIS M21 -- 0.5 Unit**Microsoft Word Part 2**

Prerequisite: CIS M20

Class Hours: 3 lab for 8 weeks

Continues introduction to Microsoft Word for Windows, including moving text; working with multiple windows; conducting find/replace; printing; formatting with templates and macros; adding borders, frames and pictures; and using Microsoft draw, WordArt and equation editor. May be taken three (3) times for credit. Formerly BIS 21B. *Applies to Associate Degree.*

CIS M22A/B -- 1 to 3 Units Each**Independent Studies in Information Systems**

Prerequisite: A previous course in Computer Information Systems

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of computer information systems through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CIS M23 -- 0.5 Unit**Microsoft Word Part 3**

Prerequisite: CIS M21

Class Hours: 3 lab for 8 weeks

Develops advanced page and document formatting in the Word for Windows program, including creating tables and charts; formatting text into columns; merging documents; sorting and selecting text and records; creating outlines, tables, and indexes; and formatting with styles. May be taken three (3) times for credit. Formerly BIS 21C. *Applies to Associate Degree.*

CIS M24 -- 1.5 Units**Microsoft Excel Part 1**

Prerequisite: CIS M17

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces basics of an electronic spreadsheet through Excel's desktop environment, emphasizing how to enter data, select commands, move the cell cursor around the worksheet, get help, save a worksheet in a workbook file, and print a range of data. May be taken three (3) times for credit. Formerly BIS 24A. *Applies to Associate Degree. Transfer credit: CSU*

CIS M25 -- 1.5 Units**Microsoft Excel Part 2**

Prerequisite: CIS M24

Class Hours: 3 lab for 8 weeks

Introduces professional analyses of investment or other financial decisions, using appropriate chart and visual elements. Emphasizes linking, embedding, and consolidating worksheets as well as designing and manipulating databases. May be taken three (3) times for credit. Formerly BIS 24B. *Applies to Associate Degree.*

CIS M26A – 1.5 Units**Microsoft Access I**

Prerequisite: CIS M17

Class Hours: 2 lecture/3 lab for 8 weeks

Introduces designing and building an Access database, using Microsoft's Windows. May be taken three (3) times for credit. Formerly BIS 12. *Applies to Associate Degree.*

CIS M26B – 0.5 Units**Microsoft Access II**

Prerequisite: CIS M26A

Class Hours: 3 lab for 8 weeks

Introduces advanced topics in working with Access, including adding queries to database, creating database relationships, designing advanced queries and using advanced report features. Includes Visual Basic. *Applies to Associate Degree.*

CIS M27 -- 1.5 Units**Microsoft PowerPoint**

Prerequisite: CIS M17

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces presentation preparation, using animation, charts, clip art, pictures, shapes and sounds. May be taken three (3) times for credit. Formerly BIS 17. *Applies to Associate Degree.*

CIS M28 -- 3 Units**Microsoft Office**

Prerequisite: None

Class Hours: 2 lecture/3 lab for 16 weeks

Introduces Microsoft Windows 95, Word, Excel, and PowerPoint, emphasizing integration features and advanced OLE technology. May be taken three (3) times for credit. Formerly BIS 16. *Applies to Associate Degree.*

CIS M40 -- 3 Units**Windows Programming: Visual BASIC I**

Prerequisite: CIS M16

Corequisite: CIS M40L

Class Hours: 3 lecture

Introduces programming in a Windows environment using Microsoft Visual BASIC. Focuses on Event Oriented programming, including forms, events, properties, controls and event procedures, menus and dialog boxes, files and graphics, the user interface, managing projects, flow control, sorting, advanced data handling and debugging procedures. Formerly CIS 3A. *Applies to Associate Degree. Transfer credit: CSU; UC*

CIS M40L -- 1 Unit**CIS Visual BASIC I Lab**

Prerequisite: None

Corequisite: CIS M40

Class Hours: 3 lab

Provides hands-on experience with Visual BASIC programming. Only offered credit/no-credit. Formerly CIS 3AL. *Applies to Associate Degree. Transfer credit: CSU; UC*

CIS M41 -- 3 Units**Windows Programming: Visual BASIC II**

Prerequisites: CIS M40/M40L

Corequisite: CIS M41L

Class Hours: 3 lecture

Expands use Microsoft Visual BASIC, building on previous understanding of syntax and procedures. Focuses on the interaction of programs, the use of more advanced graphics and sound, and the handling of more complex data files and arrays. Provides experience with real-world business applications. Formerly CIS 3B. *Applies to Associate Degree. Transfer credit: CSU; UC*

CIS M41L -- 1 Unit**CIS Visual BASIC II Lab**

Prerequisite: None

Corequisite: CIS M41

Class Hours: 3 lab

Provides hands-on lab experience for advanced Visual BASIC programming exercises. Only offered credit/no-credit. Formerly CIS 3BL. *Applies to Associate Degree. Transfer credit: CSU; UC*

CIS M42 -- 3 Units**Computer Programming I: COBOL**

Prerequisite: CIS M16

Corequisite: CIS M42L

Recommended Preparation: Concurrent enrollment or prior completion of CIS M02.

Class Hours: 3 lecture

Introduces basic computer programming concepts used in solving business CIS problems. Provides actual programming experience using COBOL. Formerly CIS 4A. *Applies to Associate Degree. Transfer credit: CSU; UC; CAN: CSCI 8 (CIS M42 + M42L)*

CIS M42L -- 1 Unit**CIS COBOL I Lab**

Prerequisite: None

Corequisite: CIS M42

Class Hours: 3 lab

Provides hands-on experience solving problems in COBOL. Only offered credit/no-credit. Formerly CIS 4AL. *Applies to Associate Degree. Transfer credit: CSU; UC; CAN: CSCI 8 (CIS M42 + M42L)*

CIS M43 -- 3 Units**Computer Programming II: COBOL**

Prerequisites: CIS M42/M42L

Corequisite: CIS M43L

Class Hours: 3 lecture

Introduces advanced COBOL programming techniques, emphasizing disk file concepts. Emphasizes applications such as payroll, accounts payable and inventory. Formerly CIS 4B. *Applies to Associate Degree. Transfer credit: CSU; UC.*

CIS M43L -- 1 Unit**CIS COBOL II Lab**

Prerequisite: None

Corequisite: CIS M43

Class Hours: 3 lab

Provides hands-on experience with advanced, interrelated COBOL programs, including all aspects of design, development and documentation. Only offered credit/no-credit only. Formerly CIS 4BL. *Applies to Associate Degree. Transfer credit: CSU; UC.*

CIS M50 -- 3 Units**Introduction to Local Area Networks (LAN)**

Prerequisite: None

Recommended Preparation: CIS M16/M16L

Class Hours: 2.5 lecture, 1.5 lab

Introduces system requirements, terminology, technology, topologies and software used in Local Area Networks, including evaluation of applications and integration with Wide Area Networks. Emphasizes hardware components, protocols and applications that support users. Reviews the features, expandability and maintainability of a range of network operating systems. May be taken four (4) times for credit. Formerly CIS 5. *Applies to Associate Degree. Transfer credit: CSU*

CIS M51 -- 3 Units**Introduction to Novell Client/Server**

Prerequisite: CIS M50

Class Hours: 2.5 lecture, 1.5 lab

Introduces networking using Novell, emphasizing how to log on to a Novell network, map drives, set passwords, configure a Novell Client system, run applications over the network, install and de-install Novell Client software and troubleshoot. Reviews Novell Server issues such as account administration, the Novell file system structure, system optimization, Novell server and workstation installation, security, printing and diagnostics as well as creating users and setting access privileges. Prepares students to take Novell's CNA tests and portions of CNE tests to become Novell certified. May be taken four (4) times for credit. Formerly CIS 7. *Applies to Associate Degree. Transfer credit: CSU*

CIS M52 -- 3 Units**Introduction to Microsoft Windows NT Workstation/Server**

Prerequisite: CIS M50

Class Hours: 2.5 lecture, 1.5 lab

Introduces Microsoft Windows NT, focusing on how to log on to an NT network, map drives, set passwords, and configure an NT workstation. Reviews NT server issues such as account administration, the NT file system structure, system optimization, NT server and workstation installation, security, printing and diagnostics. May be taken four (4) times for credit. Formerly CIS 8. *Applies to Associate Degree. Transfer credit: CSU*

CIS M53 -- 3 Units**Systems Analysis**

Prerequisites: CIS M16 and a programming class

Class Hours: 3 lecture

Introduces computer information systems and procedures and offers analysis of various existing business CIS principles and non-data and data systems concepts. Formerly CIS6. *Applies to Associate Degree. Transfer credit: CSU*

CIS M60A-Z -- 1 to 3 Units Each**Topics in Computers**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**CIS M60C -- 1 Unit****Internet and WWW I**

Prerequisite: None

Recommended Preparation: CIS M17

Class Hours: 1 lecture/3 lab for 4 weeks

Provides a window into the World Wide Web and its abundance of resources. Provides hands-on experience using popular search engines, selecting an Internet provider and using e-mail and File Transfer Protocol. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CIS M60D -- 1 Unit**Web Page Design w/HTML**

Prerequisite: None

Recommended Preparation: CIS M17

Class Hours: 1 lecture/3 lab for 4 weeks

Provides the fundamentals of HTML (HyperText Markup Language) programming to design Web pages, exploring personal Internet and business Intranet environments. Requires WebPage production. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CIS M60E -- 1 Unit**Internet and WWW II**

Prerequisite: CIS M60C or equivalent knowledge of the Internet

Class Hours: 1 lecture/3 lab for 4 weeks

Expands proficiency in dynamic areas related to the Internet and World Wide Web, including complex search and retrieval strategies, file compression and decompression, browser plug-ins, Internet Relay Chat and teleconferencing. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CIS M60F -- 1 Unit**Quicken**

Prerequisite: None

Recommended Preparation: CIS M17

Class Hours: 1 lecture/3 lab for four weeks

Introduces financial software package to organize personal finances by setting up electronic checkbook registers for tracking transactions. Includes creating reports and graphs, tracking investments, managing savings and monitoring cash flow. (Same course as BUS M60F). *Applies to Associate Degree. Transfer credit: UC credit limitations.*

CIS M61 -- 1 Unit**Computer Programming Laboratory**

Prerequisite: None

Corequisite: CIS M22A/B with subject that requires extensive lab work/computer usage

Class Hours: 3 lab

Allows credit for lab experience, when deemed appropriate by the instructor under an Independent Study contract. May be taken two (2) times for credit. Only offered credit/no-credit. Formerly CIS 9. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CIS M80 -- 1 to 4 Units**Internship in Computer Information Systems**

Prerequisite: Completion or concurrent enrollment in a course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

COMPUTER NETWORK SYSTEMS ENGINEERING

The Computer Network Systems Engineering (CNSE) Program provides specific technologies necessary to function effectively as a multi-platform network systems administrator/analyst. It provides hands-on training on networking hardware and software. Successful program completion qualifies individuals for beginning positions in networking administration. *See chart on page 59.*

Dean

To be announced, Phone (805) 378-1572

Faculty**Full-Time**

Sheila Tan

New AS degree

Part-Time

Syed Ahmad, Sewak Khurana, Josif Kurunczi, Brian Lent, Dave Owen, Richard Volpe

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

Computer Network Systems Engineering

Certificate of Completion

Required Courses:	Units
CIS M60D Web Page Design w/HTML	1
EL M08 PC Hardware for Novices	1.5
EL M18 PC Repair and Upgrade	3
CNSE M10 Introduction to Telecommunications	3
CNSE M11 Networking Technologies (Cisco Networking 1)	1.5
CNSE M12 Network Wiring and Cabling	3
CNSE M13 Internetworking: Bridges, Switches and Routers	2.5
CNSE M15 Cisco System Computer Networking 2	1
CNSE M16 Cisco System Computer Networking 3	1
CNSE M17 Cisco System Computer Networking 4	1
CNSE M20 Netware 5 Administration	2
CNSE M21 Netware 5 Administration	2
CNSE M23 IntranetWare: Integrating Windows NT	2
CNSE M30 Implementing and Supporting MS Windows NT Workstation	1.5
CNSE M31 Implementing and Supporting MS /Win. NT Server	1.5
CNSE M34 Internetworking with MS TCP/IP on MS Windows NT Workstation	1.5
CNSE M80 Internship in CNSE	1
Total minimum units required	30

Suggested Course Sequence:

First Semester

EL M08	1.5
CIS M60D	1
CNSE M10	3
Total	5.5

Third Semester

CNSE M 13	2.5
CNSE M30	1.5
CNSE M31	1.5
CNSE M20	2
CNSE M21	2
Total	9.5

Second Semester

EL M18	3
CNSE M11	1.5
CNSE M12	3
CNSE 15	1
Total	8.5

Fourth Semester

CNSE M34	1.5
CNSE M16	1
CNSE M17	1
CNSE M23	2
CNSE M80	1
Total	6.5

CNSE 5
"

delete
CNSE 2
CNSE 3

Computer Network Systems Engineering Courses

CNSE M10 – 3 Units

Introduction to Telecommunications

Prerequisite: None

Class Hours: 3 lecture

Introduces voice, data and video communications and an overview of the telecommunications industry. Includes customer premises equipment, switches and private networks, transmission media, fiber optics, T-1 technology, channel banks, switching and signaling, advanced telecommunications services, local area networks, wide area networks, internet, ISDN, personal computing systems, and telecommunication protocols. Formerly EL 50. *Applies to Associate Degree.*

CNSE M11 – 1.5 Units

Networking Technologies *Cisco System Computer Networking 1*

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Introduces networking technology as foundation for network training. Reviews contemporary network services, transmission media, and protocols in LANs and WANs environments. First course offering Cisco System Hardware Certificate Training. Formerly EL 51. *Applies to Associate Degree.*

CNSE M12 – 3 Units

Network Wiring and Cabling

Prerequisite: CNSE M10 or equivalent experience

Class Hours: 2 lecture, 3 lab

Introduces physical layer of networking, providing hands-on experience testing, troubleshooting, and installing network wiring and cabling. Formerly EL 52. *Applies to Associate Degree.*

CNSE M13 – 2.5 Units

Internetworking: Bridges, Switches, and Routers *Internetworking & TCP title change*

Prerequisite: CNSE M11

Class Hours: 2 lecture, 1.5 lab

Provides knowledge required to deploy and use bridges, switches, and routers in LAN/WAN ultiprotocol settings. Formerly EL 53. *Applies to Associate Degree.*

CNSE M14 – 3 Units

Introduction to Mobile Data/Wireless LAN Technologies

Prerequisite: EL M11 or CNSE M32

Class Hours: 3 lecture

Reviews potential mobile data and wireless LAN applications, market forecasts, services offered, traffic capacities and bandwidth issues, spectrum allocation, standards, products, and key players. Includes primer on wireless networking, mobile data, wireless spectra, international standards, and wired PCMCIA technology applicable to mobile communications. Formerly EL 54. *Applies to Associate Degree.*

CNSE M15 – 1 Unit

Cisco System Computer Networking 2

Prerequisite: CNSE M11

Class Hours: 1 lecture, 3 lab for 8 weeks

Introduces current and emerging computer networking technology and reviews intermediate level instruction in LANs, WANs, OSI models, IP addressing, and router programming. Second course offering Cisco System Hardware Certificate Training. Formerly EL 55. *Applies to Associate Degree.*

CNSE M02 - Assoc. deg. only
CNSE M03 - Assoc. deg. only

CNSE M16 – 1 Unit**Cisco System Computer Networking 3**

Prerequisite: CNSE M15

Class Hours: 1 lecture, 3 lab for 8 weeks

Provides hands-on experience in current and emerging computer networking technology, covering LAN switching, VLANs, LAN design, IGRP, and Novel IPX. Third course offering Cisco System Hardware Certificate Training. Formerly EL 56. *Applies to Associate Degree.*

CNSE M17 – 1 Unit**Cisco System Computer Networking 4**

Prerequisite: CNSE M16

Class Hours: 1 lecture, 3 lab for 8 weeks

Provides hands-on experience in current and emerging computer networking technology, covering Wide Area Networking, WAN design, PPP, ISDN, and Frame Relay. Fourth course offering Cisco System Hardware Certificate Training. Formerly EL 57. *Applies to Associate Degree.*

CNSE M20 – 2 Units**NetWare 5 Administration**

Prerequisite: EL M18

Class Hours: 3 lecture, 3 lab for 8 weeks

Provides knowledge and skills needed to perform fundamental network management tasks as network administrator or system manager for NetWare 5. Formerly EL 61. *Applies to Associate Degree.*

CNSE M21 – 2 Units**NetWare 5 Advanced Administration**

Prerequisite: CNSE M20

Class Hours: 3 lecture, 3 lab for 8 weeks

Provides knowledge and skills needed to design, configure and administer a complex NetWare 5 network. Includes work upgrading from a NetWare 3 environment, migrating to NetWare Distributed Print Services, executing Java-based utilities, and configuring NetWare 5 for remote access. Formerly EL 62. *Applies to Associate Degree.*

CNSE M24 – 2 Units**NDS Design and Implementation**

Prerequisite: CNSE M21

Class Hours: 3 lecture, 3 lab for 8 weeks

Introduces skills and templates needed to create design and implementation strategies for Novell Directory Services (NDS). Requires hands-on work to complete NetWare implementation. Formerly EL M63. *Applies to Associate Degree.*

CNSE M23 – 2 Units**IntranetWare: Integrating Windows NT**

Prerequisite: CNSE M21

Class Hours: 3 lecture, 3 lab for 8 weeks

Integrates a Windows NT environment with an IntranetWare environment, streamlining NT administration by using Novell Directory Services for NT and the NetWare Administrator. Provides hands-on experience administering and managing NT workstations, NT servers, and network-based applications in a mixed IntranetWare and Windows NT environment. Formerly EL 64. *Applies to Associate Degree.*

CNSE M30 -- 1.5 units**Implementing and Supporting MS Windows NT Workstation**

Prerequisite: None

Recommended Preparation: CS M01 or CIS M15 or CIS M17 or CIS M16/M16L

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces Microsoft Windows NT Workstation, focusing on installation, account administration, disk and resource management, networking environment, interoperation, network domain, optimization, application support, printing, and troubleshooting. May be taken two (2) times for credit. Formerly CS 70. *Applies to Associate Degree.*

CNSE M31 -- 1.5 units**Implementing and Supporting MS Windows NT Server**

Prerequisite: CNSE M30

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces Microsoft Windows NT Server, focusing on installation, account administration, environment configuration, file system, local resource protection, security, networking environment, interoperation, network domain, optimization, and troubleshooting. May be taken two (2) times for credit. Formerly CS 71. *Applies to Associate Degree.*

CNSE M32 -- 1.5 units**Networking Essentials**

Prerequisite: None

Recommended Preparation: CS M70

Class Hours: 3 lecture for 8 weeks

Introduces Microsoft Networking Essentials, focusing on networking terminology, topologies, and protocols as well as LAN and WAN networking. Uses Microsoft products. May be taken two (2) times for credit. Formerly CS 72. *Applies to Associate Degree.*

CNSE M33 -- 1.5 units**Implementing and Supporting MS Windows 95**

Prerequisite: None

Recommended Preparation: CS M01 or CIS M15, CIS M17 or CIS M01

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces Microsoft Windows 95, focusing on installation, environment configuration, file system, local resource protection, networking environment, interoperation, optimization, application support, printing, and troubleshooting. May be taken two (2) times for credit. Formerly CS 73. *Applies to Associate Degree.*

CNSE M34 -- 1.5 units**Internetworking with MS TCP/IP on MS Windows NT Workstation**

Prerequisite: CNSE M31

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces Microsoft TCP/IP and components networking, focusing on installation and configuration of DHCP server, WINS server, SNMP server services, TCP/IP printing, and LMHOSTS files as well as troubleshooting TCP/IP networks. May be taken two (2) times for credit. Formerly CS 74. *Applies to Associate Degree.*

CNSE M35 -- 1.5 units**System Administration of MS SQL Server 6.0**

Prerequisite: CNSE M31

Class Hours: 2 lecture, 3 lab for 8 weeks

Introduces MS SQL Server, including installing and upgrading SQL server; creating devices and databases; creating users and assigning permissions to databases; implementing SQL server security models; backing up and restoring databases; learning the functions of the master, msdb, and tempdb databases; and monitoring and troubleshooting SQL server. May be taken two (2) times for credit. Formerly CS 75. *Applies to Associate Degree.*

CNSE M37 - ASSOC. deg. only
 CNSE M38 - " " " "

CNSE M36 -- 1.5 units
Supporting MS Windows NT Server 4.0 — Enterprise Technologies

Prerequisite: CNSE M31
 Class Hours: 2 lecture, 3 lab for 8 weeks
 Introduces Microsoft Windows NT Server 4.0, focusing on design, implementation, and support of Windows NT Server network operating system in a multi-domain enterprise environment. Formerly CS 76. *Applies to Associate Degree.*

CNSE M80 -- 1 to 4 Units
Internship in Computer Systems Networking

Prerequisite: Completion or concurrent enrollment in a course in the discipline.
 Class Hours: 5 to 20 lab as arranged
 Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. *May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

COMPUTER SCIENCE

Computer Science is concerned with the design, modeling, analysis, and applications of computer-related systems. The Computer Science program at Moorpark College prepares students for further study in Computer Science. It also provides vocational training necessary to understand, design, implement, and use the software and hardware of digital computers and digital systems. *See chart on page 59.*

Career Opportunities

Most careers require bachelors or graduate degree.
 Computer Programmer, Applications Engineer, Computer, Microprocessing Technologist, Naval Research Logistics, Process Control Programmer, Research Manager, Computer Service Technician, Computer Lab Technician, Computer Network Analyst Operational, Business Programmer, System Designer, Scientific Programmer, Forms Analyst, Software Analyst, Software Engineer, Systems Analyst

Dean

To be announced, Phone (805) 378-1572

Faculty

Full-Time

Christine Aguilera, Martin Chetlen, Sheila Tan

Part-Time

Thomas Becker, Jinda Chen, Robert Ferrel, Chris Ferguson, Chew Joe, Craig Reinhart, Christine Salazar, Vish Vishnawath

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

Computer Science Degree

Associate in Science Degree

Moorpark College offers an Associate in Science Degree in Computer Science. The Computer Science major has a dual purpose: to prepare students for upper-division course work in Computer Science and to provide technical training for a variety of careers in business, industry, and government.

Preparation for the major:

- Mathematics – two years high school algebra plus trigonometry or MATH M03 and MATH M07 or equivalent.
- Computer Programming – one year experience in high level programming language (BASIC, FORTRAN, Pascal, or C) or CS M01/O1L or equivalent.

Required Courses:

	Units
CS M10A/M10AL ... Introduction to Programming-C/Lab	4
CS M10B/M10BL .. Object-Oriented Programming Using C++/Lab ...	4
CS M20/M20L. Object-Oriented Data Structures & Prog. Design/Lab ..	4
CS M30/M30L Assembly Language and Digital Design/Lab	4
CS M40 Computer Architecture	3
MATH M25A Calculus with Analytic Geometry I	5
MATH M25B Calculus with Analytic Geometry II	5
MATH M31 Introduction to Linear Algebra	3

Select two (2) of the following courses:

CS M10C/M10CL Windows Programming Using Visual C++/Lab	4
CS M10J/10JL Java Fundamentals/Lab	4
CS M50 Files and Data Bases	3
CS M60/M60L Concepts of Programming Languages/Lab	4
MATH M25C Calculus with Analytic Geometry III	5
MATH M35 Applied Differential Equations	3
PHIL M09 Symbolic Logic	4
TOTAL minimum units required in major area	38-41

Suggested Course Sequence:

First Semester

CS M10A/M10AL	4
MATH M25A	5
Total	9

Second Semester

CS M10B/M10BL	4
Math 25B	5
Total	9

Third Semester

CS M20/M20L	4
MATH M31	3
Total	7

Fourth Semester

CS M30/M30L	4
CS M40	3
Total	7

1. Students with no previous background in any computer application (such as word processing), before taking CS M01/M01L, should complete one of the following courses: CIS M16, CIS M19 or CIS M28.
2. Students who have not completed MATH M06 or MATH M07, start from CS M01/M01L and complete MATH M06 or MATH M07 before taking CS M10A/M10AL.
3. Other students start from CS M10A/M10AL.

See Degree Requirements and Transfer Information section for General Education requirements.

Computer Programming Certificate

Certificate of Completion

The Computer Programming Certificate Program provides programming and program design skills necessary to train individuals to be computer software programmers. It is specifically designed for students who already received an Associate degree or above in other subject areas but plan to make career change to computer software development.

Required Courses:

	Units
CS M01/M01L Introduction to Computer Science/Lab	4
CS M10A/M10AL Introduction to Programming-C/Lab	4
CS M10B/M10BL ... Object-Oriented Programming Using C++/Lab ..	4
CS M10C/M10CL ... Windows Programming Using Visual C++/Lab ..	4
CS M10J/M10JL Java Fundamentals/Lab	4
CS M20/M20L Object-Oriented Data Structures & Program Design/Lab	4
TOTAL minimum units required	24

Suggested Course Sequence:

First Semester

CS M01/M01L	4
Total	4

Second Semester

CS M10A/M10AL	4
Total	4

Third Semester

CS M10B/M10BL	4
CS M10J/M10JL	4
Total	8

Fourth Semester

CS M10C/M10CL	4
CS M20/M20L	4
Total	8

Microsoft Local Area Network Certificate

Certificate of Completion

The Local Area Network Certificate Program provides specific technologies necessary to function effectively as a Microsoft Local Area Network (LAN) specialist/administrator. It is designed for students seeking employment and for those already employed but needing skills improvement. Successful program completion should qualify individuals for beginning positions in Microsoft local area network system administration.

Required courses

	Units
CS M71 ... Supporting MS Windows NT Server 4.0 - core Technology	1.5
CS M72 ... Networking Essentials	1.5
CS M76 ... Supporting MS Windows NT Server 4.0 – Enterprise Enterprise Technologies	1.5
CS M70 ... Implementing & Supporting MS Windows NT Workstation 4.0	1.5
or	
CS M73 ... Implementing & Supporting MS Windows 95	1.5
<i>2 electives:</i>	
CS M74 ... Internetworking with MS TCP/IP on MS Windows NT Workstation 4.0	1.5
CS M75 ... System Administration of MS SQL Server 6.0	1.5
TOTAL minimum units required	9.0

Microsoft Authorized Academic Training

Microsoft Certified System Engineer

The Moorpark College Computer Science Local Area Network Program is a Microsoft Authorized Academic Training Program. Students earning the Moorpark College Microsoft Local Area Network Certificate of Completion are encouraged to take the examinations to become a Microsoft Certified System Engineer.



Computer Science Courses

CS M01 -- 3 Units

Introduction to Computer Science

Prerequisite: None

Corequisite: Concurrent enrollment in CS M01L

Recommended Preparation: CIS M02, M17 or M28 if no computer experience.

Class Hours: 3 lecture

Introduces principle elements of computer science. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations - CS M01, M01L and M10A, M10AL combined maximum credit for one course and one lab.* ~~deleted (leave in all copy)~~

CS M01L -- 1 Unit

Introduction to Computer Science Laboratory

Prerequisite: None

Corequisite: Concurrent enrollment in CS M01

Class Hours: 3 laboratory

Provides hands-on experience with computers. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.* ~~deleted~~

CS M02 -- 3 Units

Introduction to UNIX and C

Prerequisite: None

Corequisite: Concurrent enrollment in CS M02L

Recommended Preparation: Familiarity with computer architecture and at least one high-level programming language

Class Hours: 3 lecture

Introduces UNIX operating system and the C programming language, including vi editor, C shell, shell scripts, and other UNIX utility programs as well as programming concepts and design in C. *Applies to Associate Degree. Transfer credit: CSU, UC*

CS M02L -- 1 Unit

Introduction to UNIX and C Laboratory

Prerequisite: None

Corequisite: Concurrent enrollment in CS M02

Class Hours: 3 lab

Provides hands-on work with Unix and C. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU, UC.*

CS M03 -- 3 Units

Introduction to Computer Hardware and Systems Software

Prerequisite: None

Recommended Preparation: CS M01

Class Hours: 3 lecture

Introduces computer hardware and systems software concepts from the user's viewpoint, including computer organization, data representation, operating systems, and systems software design and use. Intended for non-computer science majors. *Applies to Associate Degree. Transfer credit: CSU*

CS M10A -- 3 Units

Introduction to Programming with C

Prerequisite: MATH M06 or MATH M07

Corequisite: Concurrent enrollment in CS M10AL

Class Hours: 3 lecture

Introduces the organization of computers, emphasizing basic programming concepts: algorithms, data and control structures, debugging, program design, documentation, and structured programming. Demonstrates software engineering methodologies using C. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations: CS M01, M01L and 10A, 10AL combined: maximum credit for one course and one lab.*

CS M10AL -- 1 Unit**Introduction to Programming with C Laboratory**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M10A

Class Hours: 3 lab

Provides hands-on experience with basic programming concepts. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M10B -- 3 Units****Object-Oriented Programming Using C++**

Prerequisite: CS M10A/M10AL or proficiency in C

Corequisite: Concurrent enrollment in CS M10BL

Class Hours: 3 lecture

Introduces fundamentals of object-oriented programming methodology, such as message-passing, data-hiding, encapsulation, and class and inheritance using C++. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M10BL -- 1 Unit****Object-Oriented Programming Laboratory Using C++**

Prerequisite: CS M10A/M10AL or proficiency in C

Corequisite: Concurrent enrollment in CS M10B

Class Hours: 3 lab

Provides hands-on experience with object-oriented programming using C++. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M10C -- 3 Units****Windows Programming Using Visual C++**

Prerequisite: CS M10B/M10BL or proficiency in C++

Corequisite: Concurrent enrollment in CS M10CL

Class Hours: 3 lecture

Introduces main components of a Windows application, including development environment, messaging model, user interface, graphic device interface, and memory management. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M10CL -- 1 Unit****Windows Programming Laboratory Using Visual C++**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M10C

Class Hours: 3 lab

Provides hands-on experience with Windows programming using Visual C++. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M10J -- 3 Units****Java Fundamentals**

Prerequisite: None

Recommended Preparation: CS M10A or CS M10B

Corequisite: Concurrent enrollment in CS M10JL

Class Hours: 3 lecture

Introduces Java programming fundamentals, including Java language, Java object-oriented programming, Applet programming, GUI programming, animation programming, stand-alone application programming, and network programming. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M10JL -- 1 Unit****Java Fundamentals Lab**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M10J

Class Hours: 3 laboratory

Provides hands-on in Java fundamentals. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M18 -- 3 Units****Computer Programming - FORTRAN**

Prerequisites: MATH M05 and MATH M06 or MATH M07 or equivalent skills measured by the college assessment process

Corequisite: Concurrent enrollment in CS M18L

Class Hours: 3 lecture

Introduces the organization of computers using the FORTRAN language and basic programming concepts, including algorithms, data and control structures, debugging, program design, documentation, and structured programming. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: CSCI 4 (CS M18 & M18L)***CS M18L -- 1 Unit****Computer Programming Laboratory - FORTRAN**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M18

Class Hours: 3 lab

Provides hands-on experience in FORTRAN. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: CSCI 4 (CS M18 + M18L).***CS M19 -- 3 Units****Software Engineering with Ada**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M19L

Recommended Preparation: Knowledge of at least one high-level language

Class Hours: 3 lecture

Introduces concepts in software engineering using Ada. Includes data abstraction and Ada's types, generics, exception handling, packages, tasking and parallel programming. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M19L -- 1 Unit****Software Engineering Laboratory with Ada**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M19

Recommended Preparation: Knowledge of at least one high-level language

Class Hours: 3 lab

Provides hands-on experience with Ada. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU; UC.***CS M20 -- 3 Units****Object-Oriented Data Structure and Algorithm Design**

Prerequisite: CS M10B or proficiency in Object Oriented C++.

Corequisite: Concurrent enrollment in CS M20L

Class Hours: 3 lecture

Applies object-oriented programming methods to abstract data types such as stacks, queues, trees, and graphs. Introduces concepts of pointer variables, linked lists, list processing, recursion, simulation, algorithm analysis and verification as well as more advanced algorithm designs such as greedy algorithms and dynamic programming. *Applies to Associate Degree. Transfer credit: CSU, UC. CAN: CSCI 24 (CS M20+M20L)***CS M20L -- 1 Unit****Object-Oriented Data Structures and Algorithm Design Laboratory**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M20

Class Hours: 3 lab

Provides hands-on experience with object-oriented programming. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU, UC. CAN: CSCI 24 (CS M20+M20L)*

CS10M - CSU - UC

~~Associate Degree only~~

CS10S - CSU - UC

CS M22A/B -- 0.5 to 3 Units each**Independent Studies in Computer Science**

Prerequisite: A previous course in Computer Science

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of computer science through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

CS M30 -- 3 Units**Assembly Language and Digital Design**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M30L

Recommended Preparation: Knowledge of at least one high-level language and CS M20/M20L

Class Hours: 3 lecture

Introduces computer organization, assembly language programming, input-output programming, interrupt handlers and digital logic functions. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: CSCI 10 (CS M30 + M30L).*

CS M30L -- 1 Unit**Assembly Language and Digital Design Laboratory**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M30

Recommended Preparation: Knowledge of at least one high-level language and CS M20/M20L

Class Hours: 3 lab

Provides hands-on experience with assembly language. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: CSCI 10 (CS M30 + M30L).*

CS M40 -- 3 Units**Computer Architecture**

Prerequisite: None

Recommended Preparation: Knowledge of at least one high-level language and CS M30/M30L

Class Hours: 3 lecture

Introduces structure and organization of computer systems, including number systems, data representation, ALU design and function, memory micro programming, I/O handling and interrupts. *Applies to Associate Degree. Transfer credit: CSU; UC.*

CS M50 -- 3 Units**Files and Data Bases**

Prerequisite: None

Recommended Preparation: Knowledge of at least one high-level language and CS M30/M30L

Class Hours: 3 lecture

Introduces large file and data base management, including multi-file data bases, objectives of data base organization, and data base structure. Reviews file structures: sequential, indexed sequential, indexed, direct, inverted, tree, and ring. *Applies to Associate Degree. Transfer credit: CSU*

CS M60 -- 3 Units**Concepts of Programming Languages**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M60L

Recommended Preparation: Knowledge of at least one high-level language and CS M20/M20L

Class Hours: 3 lecture

Introduces basic concepts of programming languages, including syntax, BNF, scope of names, semantics, type checking, and storage management. Compares programming languages, such as Pascal, Ada, FORTRAN, and Lisp. *Applies to Associate Degree. Transfer credit: CSU; UC.*

CS M60L -- 1 Unit**Concepts of Programming Languages Laboratory**

Prerequisite: None

Corequisite: Concurrent enrollment in CS M60

Recommended Preparation: Knowledge of at least one high-level language and CS M20/M20L

Class Hours: 3 lab

Provides hands-on experience with programming languages. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU; UC.*

CS M80 -- 1 to 4 Units**Internship in Computer Science**

Prerequisite: Completion or concurrent enrollment in a course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

COUNSELING

See courses in Personal Growth

CRIMINAL JUSTICE

Public concern with rising crime rates and the increasing role of law enforcement in public service work has contributed to the growth of criminal justice agencies throughout the nation. There is a broad range of employment opportunities for men and women in all components of the Criminal Justice System. Never before has there been such a demand for qualified persons in these occupational fields as now. The Criminal Justice Program offers an education to students in the varied aspects of law enforcement, court procedures and corrections. A foundation of knowledge is provided for those interested in becoming competitive candidates for these rewarding and challenging positions.

Career Opportunities

Municipal Police Officer, County Deputy Sheriff, State Traffic Officer (CHP), University/College Police Officer, Park Ranger (State/County), Group Supervisor/Counselor, Private Security/Loss Prevention, County Marshall, Court Bailiff, State Police Officer, Border Patrol Agent, Custodial Officer, Private Investigation

Dean

Judith Gerhart, Phone (805) 378-1402

Faculty

Full-Time

David Harrington

Part-Time

Philip Anderson, James Murphy, Martin Rouse
Joseph Ruggiero, Michael Sayre, Michael Webb

Counselors

Mike Johnson, Ofelia Romero-Motlagh

■ **Criminal Justice Degree** (Occupational)

Associate in Science Degree

This program offers training of students in the varied aspects of the Criminal Justice System including law enforcement, courts and corrections. Background is provided for those interested in being recruited by criminal justice agencies as well as upgrading the skills of those already employed in this field.

Required Courses:	Units
CJ M01 Introduction to Criminal Justice	3
CJ M02 Concepts of Criminal Law	3
CJ M03 Community Relations	3
CJ M04 Legal Aspects of Evidence	3
CJ M05 Principles/Procedures of the Justice System	3
CJ M06 Criminal Justice Report Writing	3
CJ M41 Intro to Probation, Parole and Corrections	3

Required Additional Courses:

Select six (6) units from the following courses:

CJ M10 Patrol Procedures	3
CJ M11 Criminal Investigation	3
CJ M14 Juvenile Procedure	3
CJ M18 Narcotics Investigation	3
CJ M19 Vice Control	3

TOTAL minimum units required in major area 27

Recommended Courses: PS M03; PSY M01A; SOC M01

Suggested Course Sequence:

<u>First Semester</u>	
CJ M01	3
CJ M02	3
Total	6
<u>Second Semester</u>	
CJ M03	3
CJ M05	3
Total	6
<u>Third Semester</u>	
CJ M04	3
CJ M41	3
Any Elective Course	3
Total	9
<u>Fourth Semester</u>	
CJ M06	3
Any Elective Course	3
Total	6

See Degree Requirements and Transfer Information section for General Education requirements.

Criminal Justice Courses

CJ M01 -- 3 Units

Introduction to Criminal Justice

Prerequisite: None

Class Hours: 3 lecture

Introduces the history and philosophy of criminal justice in America, reviewing system recapitulation; sub-system identification; role expectations and interrelationships; crime, punishment and rehabilitation theories; and ethics, education and training issues. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: AJ 2*

CJ M02 -- 3 Units

Concepts of Criminal Law

Prerequisite: None

Class Hours: 3 lecture

Introduces historical development and philosophy of law, reviewing constitutional provisions; definitions; classification of crime and their application to the Criminal Justice System; legal research; and study of case law, methodology and concepts of law as a social force. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: AJ 4*

CJ M03 -- 3 Units

Community Relations

Prerequisite: None

Class Hours: 3 lecture

Explores the interrelationship and role expectations among the various agencies and the public, emphasizing the professional image of the Criminal Justice System and the development of positive relationships between the system and the public. Requires exploration of criminal justice practitioners and their agencies. *Applies to Associate Degree. Transfer credit: CSU; UC*

CJ M04 -- 3 Units

Legal Aspects of Evidence

Prerequisites: CJ M01 and CJ M02

Class Hours: 3 lecture

Introduces the origin, development, philosophy and constitutional basis of evidence, including constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; and judicial decisions interpreting individual rights. *Applies to Associate Degree. Transfer credit: CSU. CAN: AJ 6*

CJ M05 -- 3 Units

Principles and Procedures of the Justice System

Prerequisite: None

Class Hours: 3 lecture

Introduces the role and responsibilities of each segment within the Criminal Justice System: law enforcement, judicial, and corrections. Reviews each sub-system's procedures from initial entry to final disposition as well as the relationship each segment maintains with its system members. *Applies to Associate Degree. Transfer credit: CSU*

CJ M06 -- 3 Units

Criminal Justice Report Writing

Prerequisite: None

Class Hours: 3 lecture

Emphasizes observation and writing skills needed to record crime scenes, emergency response situations, and routine occurrences. Requires accurate, clear, concise, complete and acceptable standard written English appropriate for court presentation. Intended for criminal justice practitioners. *Applies to Associate Degree. Transfer credit: CSU*

**CJ M10 -- 3 Units
Patrol Procedures**

Prerequisite: None

Class Hours: 3 lecture

Introduces responsibilities, techniques, and methods of police patrol, including handling of complaints, mechanics of arrest, preliminary investigations, field note taking, and report writing. *Applies to Associate Degree. Transfer credit: CSU*

**CJ M11 -- 3 Units
Criminal Investigation**Prerequisites: CJ M01 and CJ M02

Class Hours: 3 lecture

Introduces fundamentals of investigation including crime scene search and recording; collection and preservation of physical evidence; scientific aids and modus operandi; sources of information; interviews and interrogation; and follow-up and case preparation. *Applies to Associate Degree. Transfer credit: CSU.*

**CJ M14 -- 3 Units
Juvenile Procedure**

Prerequisite: None

Class Hours: 3 lecture

Focuses upon the organization, functions, and jurisdiction of juvenile agencies, including the processing and detention of juveniles; juvenile case disposition; and juvenile statutes and court procedures. *Applies to Associate Degree. Transfer credit: CSU*

**CJ M18 -- 3 Units
Narcotics Investigation**

Prerequisite: None

Class Hours: 3 lecture

Reviews identification of marijuana, opiates, dangerous drugs, hallucinogens, and their paraphernalia. Includes principles of identifying and dealing with the "user"; laws and court decisions relating to the offender; fundamentals of search and arrest strategies; report writing and court testimony; and prevention and control of drug abuse within society. *Applies to Associate Degree. Transfer credit: CSU*

**CJ M19 -- 3 Units
Vice Control**

Prerequisite: None

Class Hours: 3 lecture

Reviews the knowledge and skill needed to recognize, investigate, and control vice offenders, including gambling, prostitution, liquor, sex offender violations, vice law, and corresponding court procedures. *Applies to Associate Degree. Transfer credit: CSU*

**CJ M22A/B -- 1 to 3 Units Each
Independent Studies in Criminal Justice**

Prerequisite: A previous course in Criminal Justice

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of criminal justice through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU*

**CJ M41 -- 3 Units
Introduction to Probation, Parole and Corrections**

Prerequisite: None

Class Hours: 3 lecture

Introduces legal and practical aspects, practices, and procedures of probation, emphasizing an analysis of rehabilitation and classification criminology methods. *Applies to Associate Degree. Transfer credit: CSU*

**CJ M60A-Z -- 1 to 3 Units Each
Topics in Criminal Justice**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

**CJ M80 -- 1 to 4 Units
Internship in Criminal Justice**Prerequisite: Completion or concurrent enrollment in a course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

**CJ M89A-Z -- 0.5 to 3 Units Each
Institutes in Law Enforcement**Prerequisites: CJ M01, M02, M03, M04 and M05 (Core) or possession of P.O.S.T. Basic Certificate

Class Hours: As arranged

Series concentrates on specialized law enforcement technology designed for criminal justice personnel. *Only offered credit/no-credit. Applies to Associate Degree.*

DANCE

People who study in the various specialties of dance (ballet, modern, jazz and tap) may decide on a professional career on stage, television or films. A large number become teachers, either in public school (K-12, community college or university), private school (pre-school, and K-12) and private colleges and universities. Some will teach in community recreation centers, private community studios or open their own studio. The dance program is designed for both the student who wishes to major in dance and the student seeking to experience dance technique classes. The grace, carriage and confidence one gains in dance as well as the physical agility and flexibility is beneficial to everyone in all aspects of life. Dance activity classes fulfill the Physical Education requirement for graduation.

Career Opportunities

Actor/Actress, Agent, Arts and Studio Management, Arts Consultant, Chiropractor, Choreographer, Community Center Leader, Costumer, Dance Critic/Writer, Dance Historian, Dance Teacher, Dancer, Fitness Trainer, Lighting Designer, Masseuse, Movement Consultant, Movement Therapist, Physical Therapist, Recreation Specialist, Sports Trainer, Stage Manager

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

Daniel Berney

Part-Time

Rene Baum, Kathryn Bingham, Avalon Garrett, Donald Hewitt, Margaret Hyun, Lisa Lock, Sandra Patterson, Elizabeth Maxwell, Dennon Rawles, Sayhber Rawles

Dance

Counselor
Don Henderson

■ Dance Degree

Associate in Arts Degree

The associate in arts degree program in dance provides training in four areas of technique: ballet, modern, jazzes and tap. Integral parts of the curriculum are practical experience in concert performance and production work as well as a theoretical background in choreography and dance history and appreciation. Completion of the associate in arts degree prepares the student to begin upper division work leading to a B.A. or B.F.A. in dance, or for continued training leading to a professional career in the field of dance and dance-related professions. It prepares the student for certain occupations related to teaching in community centers and private dance studios and choreographing for community theatre productions. Transfer students should consult four-year college or university catalogs for specific requirements or see a Moorpark College counselor. Most universities require an audition for level placement in technique.

Required Courses:	Units
DANC M01A Dance Appreciation	3
DANC M52 Children's Dance Theatre	3
DANC M51 or M55 .. Dance Performance or Ensemble	1.5 - 3

Select 4.5-6 units from the following:

DANC M10A Ballet I	1.5
DANC M10B Ballet II	1.5
DANC M10C Ballet III	1.5
DANC M10D Ballet IV	2.0
DANC M40 Ballet Variations	2.0

Select 3-6 units from the following:

DANC M11A Modern Jazz I	1.5
DANC M11B Modern Jazz II	1.5
DANC M11C Modern Jazz III	1.5
DANC M11D Modern Jazz IV	2
DANC M43 Jazz Dance Roots	2

Select 4.5-6 units from the following:

DANC M12A Modern Dance I	1.5
DANC M12B Modern Dance II	1.5
DANC M12C Modern Dance III	2
DANC M12D Modern Dance IV	2
DANC M14A-D Choreography, Modern Dance	2

Select 1.5-3 units from the following:

DANC M13A Tap I	1.5
DANC M13B Tap II	1.5

Plus 3-6 units from the following:

DANC M20 Free Dance/Improvisation	1.5
DANC M30 Ballroom Dance	1.5
DANC M31 World Dance	1.5
DANC M32 Swing Dance	1.5
DANC M60A-Z Topics in Dance (as offered)	1-3

TOTAL minimum units required in major area 28

Recommended Courses: ANAT M01; RT M03A; THA M20

See Degree Requirements and Transfer Information section for General Education requirements.

DANC M03 - DANCE History 3 units
Dance
CSU; UC

Dance Courses

DANC M01A -- 3 Units

Dance Appreciation

Prerequisite: None

Class Hours: 3 lecture

Examines dance through viewing dance performances and through lectures and discussions, focusing on the historical, cultural and artistic developments and factors that influence change in dance. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M10A -- 1.5 Units

Ballet I-Fundamentals

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Introduces basic ballet technique and terminology, including general principles of alignment, centering and posture. Requires exercises at the barre to develop flexibility, strength, control and coordination. Includes resilience and center practice of Port des Bras, simple adage and allegro movements. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M10B -- 1.5 Units

Ballet II-Beginning

Prerequisite: DANC M10A

Class Hours: 1 lecture, 2 activity

Introduces new movements and terminology as part of the basic ballet technique, both at the barre and in center, combining basic movements into adage and allegro patterns. Stresses heightened technical skills. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M10C -- 1.5 Units

Ballet III-Intermediate

Prerequisite: DANC M10B

Class Hours: 1 lecture, 2 activity

Introduces knowledge and development of intermediate technique both at the barre and in center, concentrating on the discipline of ballet form and the physical abilities necessary to execute movements. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M10D -- 2 Units

Ballet IV-Advanced

Prerequisite: DANC M10C

Class Hours: 1 lecture, 3 activity

Expands review of ballet, emphasizing analysis and application of kinesthetic principles to further develop skills, techniques, and physical capabilities. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M11A -- 1.5 Units

Modern Jazz I-Fundamentals

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Introduces basic movement skills of modern jazz technique, emphasizing understanding and appreciation of jazz as an artistic dance form. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M11B -- 1.5 Units**Modern Jazz II-Beginning**

Prerequisite: DANC M11A

Class Hours: 1 lecture, 2 activity

Develops basic skills of modern jazz technique, emphasizing compositional forms and rhythms that lead to understanding and appreciation of jazz as an artistic dance form. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M11C -- 1.5 Units**Modern Jazz III-Intermediate**

Prerequisite: DANC M11B

Class Hours: 1 lecture, 2 activity

Continues introduction of modern jazz, emphasizing style and form as well as increased technical and choreographic skills. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M11D -- 2 Units**Modern Jazz IV-Advanced**

Prerequisite: DANC M11C

Class Hours: 1 lecture, 3 activity

Offers advanced review of modern jazz, emphasizing performance for style and form as well as increased technical and choreographic skills. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M12A -- 1.5 Units**Modern Dance I-Fundamentals**

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Introduces modern dance as an art form. Reviews the fundamental techniques that develop flexibility, strength, control, coordination, endurance and form as well as the basic principles, evaluation and application of dance composition. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M12B -- 1.5 Units**Modern Dance II-Beginning**

Prerequisite: DANC M12A

Class Hours: 1 lecture, 2 activity

Develops basic modern dance skills and techniques, including simple improvisation and composition as well as the understanding of the principles of alignment and motion. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M12C -- 2 Units**Modern Dance III-Intermediate**

Prerequisite: DANC M12B

Class Hours: 1 lecture, 3 activity

Expands appreciation of dance as a creative art form. Focuses on modern dance techniques, emphasizing increased flexibility, strength, and coordination. Reviews dance phrase combinations by integrating rhythm, design, dynamics and motivation. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M12D -- 2 Units**Modern Dance IV-Advanced**

Prerequisite: DANC M12C

Class Hours: 1 lecture, 3 activity

Continues exploration of modern dance technique, emphasizing performance, composition and choreography. May be taken four (4) times for credit. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M13A -- 1.5 Units**Tap I-Fundamentals**

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Introduces some history of tap as well as basic tap techniques and elementary dances, routines and rhythm structures. Develops motor coordination and rhythm. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M13B -- 1.5 Units**Tap II-Beginning**

Prerequisite: DANC M13A

Class Hours: 1 lecture, 2 activity

Expands tap dancing techniques, including music theory concepts and syncopated rhythms. Further develops motor coordination and rhythm and expands historical awareness. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M14A -- 2 Units**Choreography, Modern Dance-Fundamentals**

Prerequisite: DANC M12B

Class Hours: 1 lecture, 3 activity

Introduces basic principles and practical applications of dance composition. Focuses on forms of expression; develops space, time and energy into dance; and integrates dance movement technique as a form of expression. Requires solo and small group choreography and improvisations. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M14B -- 2 Units**Choreography, Modern Dance-Beginning**

Prerequisite: Intermediate modern dance class

Class Hours: 1 lecture, 3 activity

Explores dance as a creative art form by integrating dance movement technique as a form of expression to communicate literal and non-literal themes. Requires solo and small group choreography and improvisations. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M14C -- 2 Units**Choreography, Modern Dance-Intermediate**

Prerequisite: Intermediate modern dance class

Class Hours: 1 lecture, 3 activity

Expands dance as a creative art form, combining movement with the use of music and sound. Requires substantial solo work performed in a concert setting. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M14D -- 2 Units**Choreography, Modern Dance-Advanced**

Prerequisite: Advanced dance class or equivalent

Class Hours: 1 lecture, 3 activity

Uses elements of space, time and energy to develop dance as an art form, working with literal and non-literal themes. Provides opportunity to choreograph a group dance for a concert piece. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M20A -- 1.5 Units
Free Dance/Improvisation I

Prerequisite: None

Recommended Preparation: Concurrent enrollment in modern dance

Class Hours: 1 lecture, 2 activity

Encourages joy of movement, allowing unique and creative expressions in dance. (Same course as Theatre Arts M17). May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M20B -- 1.5 Units
Free Dance/Improvisation II

Prerequisite: DANC M20A

Class Hours: 1 lecture, 2 activity

Provides creative, free environment and encourages expressive dance movements for enjoyment, communication and performance. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M20C -- 1.5 Units
Free Dance/Improvisation III

Prerequisite: A beginning dance class

Class Hours: 1 lecture, 2 activity

Encourages creation of appropriate movement responses to express ideas and feelings. Provides various stimulus situations to develop organic, spontaneous dance responses. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M22A/B -- 1 to 3 Units Each
Independent Studies in Dance

Prerequisite: A previous course in Dance

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of dance through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

DANC M30A -- 1.5 Units
Ballroom I

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Introduces history, music and fundamental practices of ballroom dancing. Includes basic steps, variations and styling techniques for the fox-trot, swing, waltz, cha-cha, tango, rumba, samba, mambo, polka and selected novelty dances. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M30B -- 1.5 Units
Ballroom II

Prerequisite: DANC M30A

Class Hours: 1 lecture, 2 activity

Expands expertise in ballroom dancing by reviewing basic steps and increasing styling techniques for the fox-trot, swing, waltz, cha-cha, tango, rumba, samba, mambo, polka and selected novelty dances. Requires attendance at out of class dance. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M31A -- 1.5 Units
World Dance, Ethnic Folk Forms I

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Focuses on understanding and appreciation of ethnic dance skills. Includes experiences in Folk, Square, and Round dancing. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M31B -- 1.5 Units
World Dance, Ethnic Folk Forms II

Prerequisite: DANC M31A

Class Hours: 1 lecture, 2 activity

Continues study of Folk, Square, and Ethnic dance skills. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M32 -- 1.5 Units
Swing Dance

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Introduces American Swing Dance in the 20th century, exploring dance vocabulary, dance courtesy, fundamentals of music related to dance and dance history. Includes vintage dance forms as well as current trends. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC pending*

DANC M40 -- 2 Units
Ballet Variations

Prerequisite: DANC M10B or equivalent

Class Hours: 1 lecture, 3 activity

Ballet Variations continues development of technical skills with emphasis on developing artistic expression through exposure to classical and contemporary variations. *Transfer credit: CSU, UC*

DANC M43 -- 2 Units
Jazz Dance Roots

Prerequisite: DANC M11C

Class Hours: 1 lecture, 3 activity

Explores the origins and influences of jazz and their effect on the styles and trends of the day. Reviews contributions from international dance companies and dance innovators, including Martha Graham, Jack Cole, Kathryn Dunham, Bob Fosse, Agnes DeMille and Jerome Robbins. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M51A -- 1.5 Units
Dance Performance/Production I

Prerequisite: Beginning dance class

Recommended Preparation: Concurrent enrollment in dance class

Class Hours: 1 lecture, 2 activity

Introduces and then applies basic elements of production (staging, lighting, publicity, make-up, costumes, set design and construction) through participation in a staged event/dance. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M51B -- 1.5 Units
Dance Performance/Production II

Prerequisite: DANC M51A

Recommended Preparation: Concurrent enrollment in dance class

Class Hours: 1 lecture, 2 activity

Requires practical involvement in the elements of dance production "behind the scenes" as well as on stage. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M51C -- 1.5 Units**Dance Performance/Production III**

Prerequisite: Beginning dance class

Recommended Preparation: Concurrent enrollment in another dance class

Class Hours: 1 lecture, 2 activity

Emphasizes practical experience of dance productions, concerts and demonstrations, emphasizing dance as a performing art. Reviews choreography, staging and the production elements of dance. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M51D -- 2 Units**Dance Performance/Production IV**

Prerequisite: Intermediate dance class

Recommended Preparation: Concurrent enrollment in dance class

Class Hours: 1 lecture, 3 activity

Offers practical experience in the many phases of dance productions, concerts and demonstrations. Primary focus on dance performance with some review of choreography and staging. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M52 -- 3 Units**Children's Dance Theatre**

Prerequisite: None

Recommended Preparation: Concurrent enrollment in dance technique class

Class Hours: 2 lecture, 4 activity

Offers opportunities for creating, organizing, producing and performing in a dance production for children. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU*

DANC M55 -- 3 Units**Dance Ensemble**Prerequisites: A previous dance course and concurrent enrollment in dance technique class

Class Hours: 2 lecture, 4 activity

Focuses on rehearsal and performance of choreography by students, faculty and/or outside guests. Requires performance in a formal concert. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC*

DANC M60A-Z -- 1 to 3 Units**Topics in Dance**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**DANC M60V -- 3 Units****Viewing Dance**

Prerequisite: None

Class Hours: 3 lecture

Views a variety of concert dances (live and video): ballet, modern, tap, jazz, and musicals. Encourages critical thinking and heightens appreciation of dance as art form. Choreographers could apply expanded viewpoints to future productions. May be taken two (2) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations*

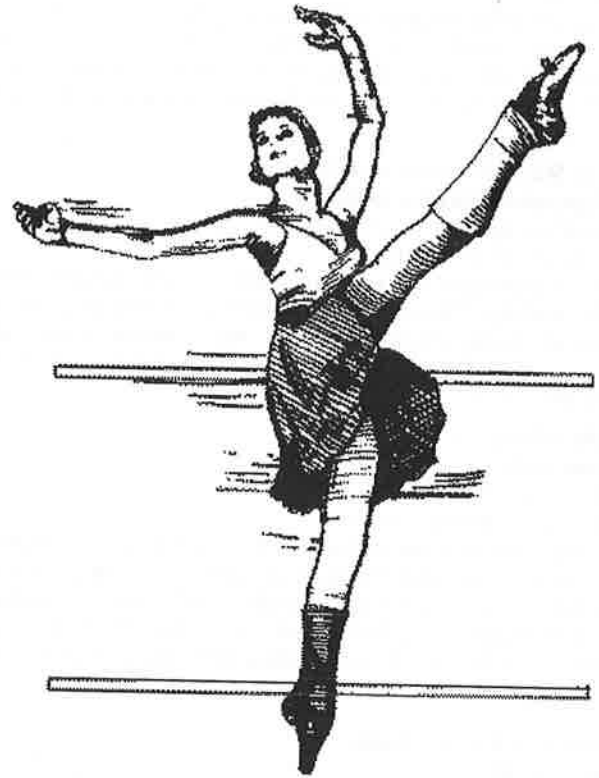
DANC M80 -- 1 to 4 Units**Internship in Dance**Prerequisite: Completion or concurrent enrollment in a course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *DANC formerly DANCE. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

DESIGN

See courses in Art, Graphics, and Interior Design



DRAFTING

The Drafting Technology program prepares the student for careers related to mechanical drafting and design, engineering, structural and artistic architecture, and computer animation. Students will be trained in the use of computer aided design (using AutoCAD), as well as conventional drafting machines and instruments. Advanced students will have the opportunity to take 3D and animation courses using the world renowned computer software 3-D Studio Max. They will then learn to prepare animated scenes for rendering using special effect lighting and surface materials.

Career Opportunities

Drafter, Architectural Assistant, Construction Assistant, Construction Trades, Building Plan Reader, Civil Engineering Assistant

Dean

To be announced, Phone (805) 378-1572

Faculty

Part-Time

Cheryl Barrett, Michael Berman, Tommie Craft, Jamie Crowley, Hariachi Ladan, Raymond Patrick

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

Preparation for the Major:

MATH 1 or equivalent skills that may be measured by the college assessment process.

Drafting Courses

DRFT M01 -- 3 Units

Introduction to Drafting

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces use and care of drafting equipment and instruments, lettering, theory of orthographic projection, pictorial drawings, sketches, and working drawings. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU - U.C. - NO*

DRFT M02A -- 3 Units

Computer-Aided Drafting I

Prerequisite: DRFT M01

Class Hours: 2 lecture, 3 lab

Introduces AutoCAD (Computer-Aided Design software). Explores CAD drawing and editing concepts, principles, and commands while preparing technical drawings. May be taken two (2) times for credit. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU, U.C. **

DRFT M02B -- 3 Units

Computer-Aided Drafting II

Prerequisite: DRFT M02A

Class Hours: 2 lecture, 3 lab

Introduces two-dimensional and three-dimensional drawings through exploration of intermediate and advanced functions. May be taken two (2) times for credit. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU, U.C. * (one course when combined with DRFT M02A)*

credit (one course when combined with DRFT M02A)

DRFT M03A -- 3 Units

Architectural Drafting I

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces fundamentals of preparing architectural drawings, emphasizing use and care of drafting equipment and instruments, lettering, line work and dimensioning. Focuses on preparing various plan, elevation and sectional views as well as details, sketches, working drawings, orthographic and isometric drawings. Presents basic elements of building requirements and codes. May be taken two (2) times for credit. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU*

DRFT M03B -- 3 Units

Architectural Drafting II

Prerequisite: DRFT M03A

Class Hours: 2 lecture, 3 lab

Introduces preparation and interpretation of architectural drawings and specifications, emphasizing wood frame construction and application of local planning ordinances, uniform building codes and architectural graphic standards. May be taken two (2) times for credit. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU*

DRFT M03C -- 3 Units

Architectural Drafting III

Prerequisite: DRFT M03B

Class Hours: 2 lecture, 3 lab

Introduces preparation and interpretation of architectural drawings, emphasizing heavy timber, concrete, masonry, and steel construction. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU*

DRFT M04 -- 3 Units

Architectural CAD

Prerequisites: DRFT M02B and DRFT M03

Class Hours: 2 lecture, 3 lab

Introduces development of architectural drawings, using computer-aided drafting and three-dimensions for a walk-through effect. May be taken two (2) times for credit. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU, U.C. - NO*

DRFT M06 -- 3 Units

Building Site Drafting

Prerequisite: DRFT M03

Class Hours: 2 lecture, 3 lab

Introduces civil engineering drafting, including survey notation, graphic translation of survey notes, grading, site planning and utilities. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU*

DRFT M08 -- 3 Units

Energy Conservation Code

Prerequisite: None

Class Hours: 3 lecture

Introduces requirements and necessary forms regarding Title 24 of the State Energy Code. *DRFT formerly DT. Applies to Associate Degree.*

DRFT M09 -- 3 Units

Fundamentals of Structural Design

Prerequisites: MATH M01 and DRFT M01

Class Hours: 3 lecture

Analyzes and designs complete structural calculations for a residential, commercial and industrial buildings. *DRFT formerly DT. Applies to Associate Degree. Transfer credit: CSU*

DRFT M10 -- 3 Units**Construction Cost Estimating**Prerequisites: MATH M01 and DRFT M01

Class Hours: 3 lecture

Introduces principles and practices for making quantity surveys and labor estimates on construction projects. Requires three (3) field trips. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU*

DRFT M11 -- 3 Units**Building Codes**

Prerequisite: None

Class Hours: 3 lecture

Introduces building codes related to structural, plumbing, heating, air conditioning, and electrical components of buildings constructed in Southern California. *DRFT formerly DT. Applies to Associate Degree.*

DRFT M13 -- 3 Units**Construction Materials**

Prerequisite: None

Class Hours: 3 lecture

Explores use and application of building materials to the structural composition of modern residential, commercial and industrial buildings. *DRFT formerly DT. Applies to Associate Degree.*

DRFT M14 -- 3 Units**Construction Blueprint Reading**

Prerequisite: None

Class Hours: 3 lecture

Focuses on reading construction drawings for typical buildings, including wood frame, masonry, concrete and steel construction used in residential, commercial and industrial projects. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU*

DRFT M20 -- 3 Units**3D Modeling (Computer Animation)**

Prerequisite: DRFT M02B

Class Hours: 2 lecture, 3 lab

Introduces 3D Studio Max Software, exploring 3D modeling and animation with spatial three-dimensional effects in a Windows NT networked environment. Explores creation, modeling, and modification of a fully mapped and rendered scene complete with lights, cameras, and backgrounds. Requires creation of a basic animation. May be taken two (2) times for credit. *DRFT formerly DT. Applies to Associate Degree. Transfer credit: CSU; ~~CSU~~ → NO*

DRFT M21 -- 3 Units**Technical Animation (Computer Animation)**

Prerequisite: DRFT M20

Class Hours: 2 lecture, 3 lab

Introduces advanced materials and environmental effects of advanced technical animations. Explores the use of motion controllers and track views for editing keyframes, pivot points to link objects, Inverse Kinematics to create character animations, and special effects such as space warps, ripples, waves, wind and bombs. Requires creation of a fully mapped and rendered animation complete with lights, cameras, backgrounds, and special effects. May be taken two (2) times for credit. *DRFT formerly DT. Applies to Associate Degree. Transfer credit: CSU; ~~CSU~~ → NO*

DRFT M22A/B -- 1 to 3 Units Each**Independent Studies in Drafting**

Prerequisite: A previous course in Drafting Technology

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of drafting technology/CAD through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *DRFT formerly DT. Applies to Associate Degree. Transfer credit: CSU.*

DRFT M30 -- 3 Units**Mechanical Drawing**

Prerequisite: DRFT M01

Class Hours: 2 lecture, 3 lab

Expands mechanical drawing skills, including complete working drawings; exploded view and assembly drawings; section views, screws and fasteners; and inking and lettering. *DRFT formerly DT. Applies to the Associate Degree. Transfer credit: CSU*

DRFT M32 -- 3 Units**Mechanical Blueprint Reading**

Prerequisite: None

Class Hours: 3 lecture

Focuses on interpreting mechanical drawings typical of those found in mechanical field theory, including common types of projections, dimensioning principles, and machine standards. Requires creative sketching and blueprint interpretation. *DRFT formerly DT. Applies to Associate Degree.*

DRFT M60A-Z -- 0.5 to 3 Units Each**Topics in Drafting Technology/CAD**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

DRFT M80 -- 1 to 4 Units**Internship in Drafting**Prerequisite: Completion or concurrent enrollment in a course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *DRFT formerly DT. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

DRFT M89A-Z -- 0.5 to 3 Units Each**Institutes in Drafting Technology/CAD**

Prerequisite: None

Class Hours: As arranged

Short lecture series emphasizes acquisition of specialized drafting skills through application of appropriate activities. Series only offered credit/no-credit. *DRFT formerly DT. Applies to Associate Degree.*

ECONOMICS

The major in economics leads to careers in business or government and offers valuable preparation for various professions including law and journalism. The study of economics provides the opportunity to build a solid foundation for graduate study in either economics or administration.

Career Opportunities

Most careers require bachelors or graduate degree.

Economist, Assessor, Financial Planner, Stock Broker, Securities Analyst, Management Trainee, Economic Development Coordinator

Dean

Al Nordquist, Phone (805) 378-1445

Faculty**Full-Time**

Peter Gucciardo, Robert Herman

Part-Time

Rex Edwards, Fred Starner

Counselor

Ofelia Romero-Motlagh

Economics Courses**ECON M01 -- 3 Units****Principles of Micro-Economics**

Prerequisite: None

Class Hours: 3 lecture

Introduces issues of economic policy, especially those related to the efficient use of scarce resources. Develops a method of thinking by investigating and applying the principles of economic inquiry to the consumption, production, and distribution of resources. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ECON 4*

ECON M02 -- 3 Units**Principles of Macro-Economics**

Prerequisite: None

Class Hours: 3 lecture

Introduces issues of economic policy, related to levels of employment as well as prices and rate of economic growth. Expands application of principles of economic inquiry. Focuses on economic institutions and policies that influence aggregate economic activity. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ECON 2*

ECON M04 -- 3 Units**Economic Development of the United States**

Prerequisite: None

Class Hours: 3 lecture

Introduces the evolution of U.S. economic institutions as revealed by economic analyses and quantitative data as well as the application of economics to social change and economic problems. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ECON M22A/B -- 1 to 3 Units Each**Independent Studies in Internship in Economics**

Prerequisite: A previous course in Economics

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of economics through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ECON M30 -- 3 Units**Introduction to Business and Economics**

Prerequisite: None

Recommended Prep: Completion of ENGL M02

Class Hours: 3 lecture

Examines basic concepts and functions of business and the application of economic principles. Explores business organization, ethics, finance, accounting, securities markets, supply and demand, the banking system, and international business, emphasizing practical applications. (Same course as BUS M30). *Applies to the Associate Degree. Transfer credit: CSU; UC*

ECON M60A-Z -- 1-3 Units Each**Topics in Economics**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the Schedule of Classes.

Developed topics include:**ECON M60A -- 3 Units****The USSR in Transition: The Economy**

Prerequisite: None

Class Hours: 3 lecture

Explores economic reforms in the Soviet Union. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ECON M80 -- 1 to 4 Units**Internship in Economics**

Prerequisite: Completion or concurrent enrollment in a course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

ELECTRONICS TECHNOLOGY

In today's world of high technology many jobs require various degrees of familiarity with electronics. There is a wide choice of careers for technology students, including occupations in business, industry, education and government. Whether or not an individual intends to devote his/her professional career to the field of electronics, it is beneficial to acquire some knowledge of electronics in this ever-changing technological environment. Electronics students can receive technical information to solve electronics problems by using the technical information exchange of the American Vacuum Society (AVS) BBS. Please call (805) 378-1400, Ext. 1780 for the BBS telephone number. The BBS is on line 24 hours/day, 2400/1200 baud, N81.

Career Opportunities**Associate Degree Level**

Automobile Electronics Technician, Communications Technician, Electronics Assembly Supervisor, Electronics Maintenance Technician, Electronics Metrology Technician, Electronics Troubleshooter, Field Service Representative, Instrumentation Technician, Numerical Control Technician, Test Equipment Technician, Computer Repair, Computer Technician, Electronics Assembly, Electronics Sales, Electronics Technician, Microwave Technician, Robotics Technician

Most careers require bachelors or graduate degree.

Electronics Instructor, Field Engineer, Sales Engineer, Technical Trainer

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Full-Time

Sergio Monteiro

Part-Time

Frank Jones, Mark Kopitz, Linda Perez, Craig Reinhart, Leon Rouge, Leonard Zakas

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

■ Electronics Technology Degree (Occupational)

Associate in Science Degree

Certificate of Achievement

The Moorpark College electronics technology program gives a foundation in electronics with an emphasis in communications and microcomputers. The goal of the program is to prepare the student for employment after two years of training. Graduates are provided a foundation in electronics common to many technical fields.

Historically, employment in the communication industry has been quite stable with good opportunities for the well-trained technician in both the private and public sector. Opportunities in the public sector include police, fire, and emergency medical communications. Opportunities in the private sector include radio and TV broadcasting and utility companies (telephone, gas, water and electrical power).

Microcomputers are used in almost every work place, and familiarity with them is often a necessary condition for employment. Microcomputer training is also valuable to the entrepreneurial individual who is willing to start his/her own business as a computer technician, configuring and repairing home PC's.

Students completing the courses required in the major receive a certificate of achievement. Students completing the additional general education requirements of the college also receive the associate degree.

Preparation for the Major:

- Electronics – Students with no prior experience with electronics are to take EL M1/M1L prior to or concurrently with EL M10/M10L.

Required Courses:	Units
EL M10/M10L .. Passive Circuits/Lab	4
EL M16/M16L .. Analog Circuits/Lab	4
EL M17/M17L .. Digital Circuits/Lab	4
EL M18	3
EL M21	2
EL M23	2
EL M25	2
EL M27	2
TOTAL minimum units required in major area	23

Recommended Course: EL M29, EL M30, EL M31

Suggested Course Sequence:

First Semester

EL M10/M10L	4
EL M16/M16L	4
Total	8

Second Semester

EL M17/M17L	4
EL M18	3
Total	7

Third Semester

EL M21	2
EL M23	2
Total	4

Fourth Semester

EL M27	2
EL M25	2
Total	4

See Degree Requirements and Transfer Information section for General Education requirements.

■ Network Engineer Degree (Occupational)

Associate in Science Degree

Certificate of Achievement

The network engineer option for the electronics technology program at Moorpark College prepares students for a career in the field of computer networking. This program offers a solid technical background that includes analog and digital electronics (listed in the Electronics Technology section), and DOS and Windows (listed in the Computer Information Systems section). In addition to these required courses, students are encouraged to take advantage of the courses in word processing, spreadsheets, databases (listed in the Computer Information Systems section), as well as C, C++, visual C and other programming languages (listed in the Computer Science section).

Required Courses:

	Units
CIS M17	1
CNSE M11	1.5
CNSE M20	2
CNSE M21	2
CNSE M23	2
EL M10/M10L	4
EL M16/M16L	4
EL M17/M17L	4
EL M18	3
EL M21	2
EL M23	2
EL M27	2
TOTAL minimum units required in major area	29.5

Suggested Course Sequence:

First Semester

CIS M17	1
EL M10/M10L	4
EL M16/M16L	4
Total	9

Second Semester

EL M17/M17L	4
EL M18	3
Total	7

Third Semester

EL M21	2
EL M23	2
CNSE M11	1.5
CNSE M20	2
Total	7.5

Fourth Semester

EL M27	2
CNSE M21	2
CNSE M23	2
Total	6

See Degree Requirements and Transfer Information section for General Education requirements.

Electronics Technology Courses

EL M01 -- 3 Units

Introduction to Electronics

Prerequisite: MATH M01 or equivalent skills measured by the college assessment process or one year of high school algebra

Class Hours: 3 lecture

Introduces basic concepts and theory of electronics, including applications to business, science, industry and entertainment. Reviews electron theory to microcomputers, emphasizing passive and active devices, amplifiers, oscillators and digital circuits. *Applies to Associate Degree.*

EL M01L -- 1 Unit

Introduction to Electronics Laboratory

Prerequisite: Concurrent or previous enrollment in EL M01

Class Hours: 3 lab

Provides hands-on experience, emphasizing the practical use of electronic parts, circuit breadboarding and measurement equipment. *Applies to Associate Degree.*

EL M02 -- 3 Units

Introduction to Microprocessors

Prerequisite: None

Class Hours: 3 lecture

Introduces operation and application of the microprocessor, including numbering systems and basic logic building blocks; partitioning and architecture; interfacing and interface devices; the TTY, CRT, keyboard, and cassette loader; and programming and microprocessor applications. Course stresses 8080 microprocessor. *Applies to Associate Degree.*

EL M08 -- 1.5 Units

PC Hardware for Novices

Prerequisite: None

Class Hours: 2.5 lecture, 1.5 lab for 8 weeks

Introduces the IBM compatible personal computer and how its individual features and components work as part of the complete system. Requires work with PC components, the Internet and basic DOS operations. May require a four-hour weekend field trip. May be taken two (2) times for credit. *Applies to Associate Degree.*

EL M10 -- 3 Units

Passive Circuits

Prerequisites: Previous experience in electronics or concurrent enrollment in EL M01/M01L

Corequisite: EL M10L

Class Hours: 3 lecture

Introduces main passive components of electronic circuits, including resistors, capacitors, and inductors. Reviews AC and DC circuits, noting their variation with temperature, current, and electronic environment as well as their reliability and manufacturing methods. *Applies to Associate Degree.*

EL M10L -- 1 Unit

Passive Circuits Laboratory

Prerequisite: None

Corequisite: EL M10

Class Hours: 3 lab

Provides hands-on experience, measuring AC and DC circuits, including electrical potential and currents (magnitude and phase) as a function of frequency and environmental factors (temperature, current, voltage humidity and aging) on passive devices. *Applies to Associate Degree.*

EL M16 -- 3 Units

Analog Circuits

Prerequisite: None

Corequisites: EL M10/M10L, EL M16L or equivalent electronics work experience

Class Hours: 3 lecture

Analyzes active electronic devices such as diodes, transistors, FETs and op-amps. Reviews DB, gain, frequency response and feedback. *Applies to Associate Degree.*

EL M16L -- 1 Unit

Analog Circuits Laboratory

Prerequisite: None

Corequisite: Concurrent enrollment in EL M16

Class Hours: 3 lab

Provides hands-on experience with building circuits through individual projects. *Applies to Associate Degree.*

EL M17 -- 3 Units

Digital Circuits

Prerequisites: EL M01/M01L or equivalent electronics work experience

Corequisite: EL M17L

Class Hours: 3 lecture

Introduces main digital logic functions (AND, OR and other gates; Flip-flops; counters; and decoders) and their applications (stopwatches, frequency counters, and digital oscilloscopes). *Applies to Associate Degree.*

EL M17L -- 1 Unit

Digital Circuits Laboratory

Prerequisites: EL M01/M01L or equivalent electronics work experience

Corequisite: Concurrent enrollment in EL M17

Class Hours: 3 laboratory

Provides hands-on experience building circuits through the design and construction of individual projects, such as digital clock, stopwatch, and hardware logic that control a microwave. Builds on individual needs. *Applies to Associate Degree.*

EL M18 -- 3 Units

PC Repair and Upgrade

Prerequisite: EL M08 or equivalent experience

Class Hours: 2.5 lecture, 1.5 lab

Designed for those needing advanced knowledge and skills to repair/upgrade personal computers. Introduces major operating systems and uses DOS commands to demonstrate basic PC operations. Reviews history of computing, types of processors, motherboards, cache, floppy drives, hard drives, video cards, monitors, modems, printers and scanners, internal operations, alternative operating systems, programming internet options and networking. Provides option to prepare for national A+ Computer Repair Certification exams. May be taken two (2) times for credit. *Applies to Associate Degree.*

EL M20 -- 3 Units

Communication Electronics

Prerequisites: EL M16/M16L

Class Hours: 3 lecture

Introduces modern communication devices and systems, covering analog and digital communications, antennas, transmission lines, fiber optics and microwaves as well as various modulation and demodulation techniques. *Applies to Associate Degree.*

EL M20L -- 1 Unit

Communication Electronics Laboratory

Prerequisites: EL M16/M16L and concurrent enrollment in EL M20

Class Hours: 3 laboratory

Provides hands-on experience constructing, testing and troubleshooting principles of com. electronics. *Applies to Associate Degree.*

EL M21 -- 2 Units**Microprocessors and Microcomputers**

Prerequisites: EL M17/M17L or equivalent electronics work experience
Class Hours: 1 lecture, 3 lab

Introduces microprocessors and applications, including typical programming techniques, I/O functions and interface. Discusses the Intel (80x86) Vine of microprocessors and implements simple programs. *Applies to Associate Degree.*

EL M22A/B -- 0.5 to 3 Units Each**Independent Studies in Electronics**

Prerequisite: A previous course in Electronics Technology
Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of anthropology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU.*

EL M23 -- 2 Units**PSpice: Circuit Analysis**

Prerequisites: CIS M15 or CIS M17 and EL M10/M10L and EL M16/M16L or equivalent work experience
Class Hours: 1.5 lecture, 1.5 lab

Introduces PSpice for computer simulation methods, covering basics of creating the circuits using passive (resistors, capacitors, inductors, transformers, diodes) and active (electric potential, current sources, transistors, FETs, operational amplifiers) devices. Emphasizes AC network analysis, including passive filters and Fourier analysis. May be taken four (4) times for credit. *Applies to Associate Degree.*

EL M24 -- 2 Units**Diagnostics, Trouble Shooting and Repair**

Prerequisites: EL M16/M16L and EL M17/M17L
Class Hours: 1 lecture, 3 lab

Introduces basic procedures and methods used in troubleshooting typical electronic equipment. Emphasizes systematic approach applied to analog and digital circuits. Provides hands-on experience with troubleshooting principles. *Applies to Associate Degree.*

EL M25 -- 2 Units**LabVIEW: Applications**

Prerequisites: CIS M17 and EL M8 or EL M18
Class Hours: 1 lecture; 3 lab

Introduces object-oriented data-acquisition and process-control system, emphasizing practical applications such as temperature control and sound digitization. Allows individual access to software. LabVIEW short for Laboratory Virtual Instrument Engineering Workbench. *Applies to Associate Degree.*

EL M27 -- 2 Units**Microcomputer Applications**

Prerequisites: EL M16/M16L and EL M21
Class Hours: 1 lecture, 3 lab

Introduces modern applications of microcomputers in science, engineering, and industry, focusing mainly on hardware but also some software. Includes I/O procedures for the serial and parallel ports, RS232C, IEEE-488, process control, measurement techniques, numeric control, and microprocessor development. *Applies to Associate Degree.*

EL M28 -- 3 Units**Industrial Electronics**

Prerequisites: EL M17/M17L and EL M21
Class Hours: 3 lecture

Introduces modern electronics in industry, covering electrical power systems, transformers, motors, actuators, and switches as well as various electronic circuits that control/actuate electromechanical devices such as power supplies, transducers, optoelectronic devices, computer control, and robotics. *Applies to the Associate Degree. Transfer Credit: CSU.*

EL M28L -- 1 Unit**Industrial Electronics Laboratory**

Prerequisite: Concurrent enrollment in EL M28
Class Hours: 3 lab

Provides hands-on experience with building, testing, and repairing modern industrial electronics circuits. Studies basic principles of process control through construction and operation of control electronics hardware. *Applies to the Associate Degree. Transfer credit: CSU*

EL M29 -- 1 Unit**Industrial Seminar**

Prerequisites: EL M16/M16L and EL M17/M17L
Class Hours: 1 lecture

Introduces various aspects of the electronics industry through series of guest lecturers. Topics include recent advancements in electronics, job placement, resume writing, job interviews, and working in the industrial environment. *Applies to Associate Degree.*

EL M30 -- 3 Units**Broadcast Engineering Certification**

Prerequisites: EL M16/M16L and EL M17/M17L or equivalent electronics work experience
Class Hours: 3 lecture

Introduces aspects of electronics, communications, regulations and engineering technology to pass the certification exam in broadcast engineering. Certification issued to those who pass test. *Applies to Associate Degree.*

EL M31 -- 3 Units**Telephone and Wire Communication Certification**

Prerequisites: EL M16/M16L and EL M17/M17L or equivalent electronics work experience
Class Hours: 3 lecture

Introduces aspects of electronics, communications, regulations and engineering technology to pass the certification exam in non-radiating technology given by the National Association of Radio and Telecommunications Engineers. Certification issued to those who successfully complete course. *Applies to Associate Degree.*

EL M80 -- 1 to 4 Units**Internship in Electronics**

Prerequisite: Completion or concurrent enrollment in a course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance course work under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluation. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. *May be taken four (4) times for credit. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

EL M89A-Z -- 0.5 to 3 Units Each**Institutes in Electronics**

Prerequisite: None

Class Hours: As arranged

Short lecture series develops appropriate electronics abilities and skills, emphasizing specialized knowledge in a particular segment of electronics. Series only offered credit/no-credit. *Applies to Associate Degree.*

ENGINEERING

The field of engineering is a particularly broad one that affords the student the choice of several areas in which to specialize. The lower-division course work described below is designed to provide basic preparation for any of these choices.

Career Opportunities

Most careers require bachelors or graduate degree.

Mechanical Engineer, Chemical Engineer, Civil Engineer, Electrical Engineer, Water Quality Engineer, Nuclear Engineer, Environmental Engineer, Sanitary Engineer, Process Engineer, Hydraulic Engineer, Project Engineer, Geotechnical Engineer, Systems Engineer, Computer Engineer, Stationary Engineer, Aerospace Engineer, Biomedical Engineer, Industrial Engineer, Manufacturing Engineer, Metallurgical Engineer, Mining Engineer, Naval Engineer, Petroleum Engineer, Plastics Engineer, Astronautical Engineer, Structural Engineer, Traffic Engineer, Electronic Systems Engineer, Automotive Engineer, Robotics Engineer, Artificial Intelligence Engineer, Military Pilot

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Full-Time

Fred Meyer

Part-Time

Robert Ayer, Hadi Darejeh, Michael Mitchell

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

Engineering Degree

Associate in Science Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Engineering. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Science degrees in Engineering offered by four-year institutions. Since the course work in Engineering is sequential, students may spend less time earning an Associate in Science Degree and/or Bachelor of Science Degree by deferring some of the university general education requirements until their junior and senior years and by giving priority to the requirements for a major in engineering. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

Mathematics — two years high school algebra plus trigonometry or MATH M3 and M7 or equivalent.

Chemistry -- one year high school chemistry or CHEM M12 or equivalent.

Physics -- one-year high school physics or PHYS M10A or equivalent.

Engineering students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:

	Units	
CHEM M01A	General Chemistry I	6
ENGR M04	Engineering and Design/CAD	3
ENGR M12	Engineering Materials	3
ENGR M16	Engineering Statics and Strength of Materials ..	4
or		
ENGR M20/M20L	Electrical Engineering Fundamentals/Lab	4
MATH M25A	Calculus with Analytic Geometry I	5
MATH M25B	Calculus with Analytic Geometry II	5
MATH M25C	Calculus with Analytic Geometry III	5
PHYS M20A/M20AL ..	Mechanics of Solids and Fluids/Lab	5
PHYS M20B/M20BL ..	Electricity and Magnetism/Lab	5
PHYS 20C/20CL	Wave Motion, Heat, Optics, Modern Physics/Lab ..	5
TOTAL minimum units required in major area		46

Recommended courses: CHEM M01B; CS M10A/M10AL; CS M10B/M10BL; CS M10C/M10CL; CS M18/M18L; MATH M35

Suggested Course Sequence:

First Semester

CHEM M01A	6
ENGR M04	3
MATH M25A	5
Total	14

Second Semester

ENGR M12	3
MATH M25B	5
PHYS M20A/M20AL	5
Total	13

Third Semester

ENGR M16*	4
MATH M25C	5
PHYS M20B/M20BL	5
Total	10 or 14

Fourth Semester

ENGR M20/M20L*	4
PHYS M20C/M20CL	5
Total	5 or 9

* This degree requires either ENGR M16 or ENGR M20/M20L

Engineering Courses

ENGR M04 -- 3 Units

Engineering and Design/CAD

Prerequisite: DT M01 or one year of high school drafting

Class Hours: 2 lecture, 3 lab

Introduces engineering as a profession by exploring systematic design techniques, written communication, and makeup of the various engineering programs. Requires extensive use of computer-aided drafting software and completion of design project. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGR 2*

ENGR M12 -- 3 Units

Engineering Materials

Prerequisites: CHEM M01A and PHYS M20A/M20AL

Class Hours: 3 lecture

Introduces engineering properties of materials, applying basic principles of the atomic and crystal structure of solids to the study of properties as well as to the selection and use of engineering materials. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGR 4*

ENGR M16 -- 4 Units**Engineering Statics and Strength of Materials**

Prerequisites: PHYS M20A/M20AL

Class Hours: 4 lecture

Covers vector algebra, equivalent force systems, free body diagrams and equilibrium, structural mechanics, behavior of deformable solids, stress and strain tension, compression, flexure, torsion, beams, columns, statically indeterminate problems, multi-axial stresses, and theories of strength. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGR 8*

ENGR M20 -- 3 Units**Electrical Engineering Fundamentals**

Prerequisite: PHYS M20B

Corequisites: ENGR M20L, MATH M35

Class Hours: 3 lecture

Introduces theory and analysis of electrical circuits, including the operational amplifier, circuit theorems, dc circuits, forced and natural responses of simple circuits, sinusoidal steady state analysis and the use of a standard computer-aided circuit analysis program. Reviews power, energy, impedance, phasers, and frequency response. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGR 6 (ENGR M20 & M20L)*

ENGR M20L -- 1 Unit**Electrical Engineering Fundamentals Laboratory**

Prerequisite: PHYS M20BL

Corequisite: ENGR M20

Class Hours: 3 lab

Provides hands-on experience in passive and active electrical circuits, reinforcing electrical engineering concepts. *Applies to the Associate Degree. Transfer credit: CSU; UC.*

**ENGR M22A/B -- 0.5 to 3 Units Each
Independent Studies in Engineering**

Prerequisite: A previous course in Engineering

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of engineering through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ENGR M80 -- 1 to 4 Units**Internship in Engineering**Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

ENGINEERING TECHNOLOGY

With emphasis on practical skills, the Engineering Technology courses are targeted at upgrade training for technicians, engineers and other employees who need to remain current in high technology areas. Additional courses will be developed in response to the needs of industry.

Career Opportunities

Laser Technician, Fiber Optic Technician, Fiber Optic Installer, Electro-Optic Technician, Research Technician, Electro-Optical Sales Specialist

Dean

Floyd Martin, Phone (805) 378-1459

Faculty**Full-Time**

Clinton Harper

Part-Time

Hadi Darejeh

Counselor

Edna Ingram

Engineering Technology Degree**Associate in Science Degree**

See Physics, Electro-Optics Option

Engineering Technology Courses**ET M10 -- 2 Units****Introduction to Lasers and Fiber Optics**Prerequisite: MATH M03 or two years of high school algebra

Class Hours: 1.5 lecture, 1.5 lab

Offers comprehensive introduction to theory, operation and applications of lasers, fiber optics and associated instrumentation. Emphasizes hands-on activities and practical applications. *Applies to Associate Degree.*

ET M20 -- 2 Units**Introduction to Robotic Technology**Prerequisite: PHYS M10A or one year of high school physics

Class Hours: 1.5 lecture, 1.5 lab

Introduces robotic technology, emphasizing hands-on, practical industrial applications. Includes mechanical and electrical aspects of robot design, interfaces and integration, sensors, computer control and programming, application case studies, robot economics and future trends. Provides on-campus robotics lab. Reviews more advanced topics such as underwater robotics, robotic rovers, robots in hazardous environments, machine vision, artificial intelligence, and medical applications. *Applies to Associate Degree.*

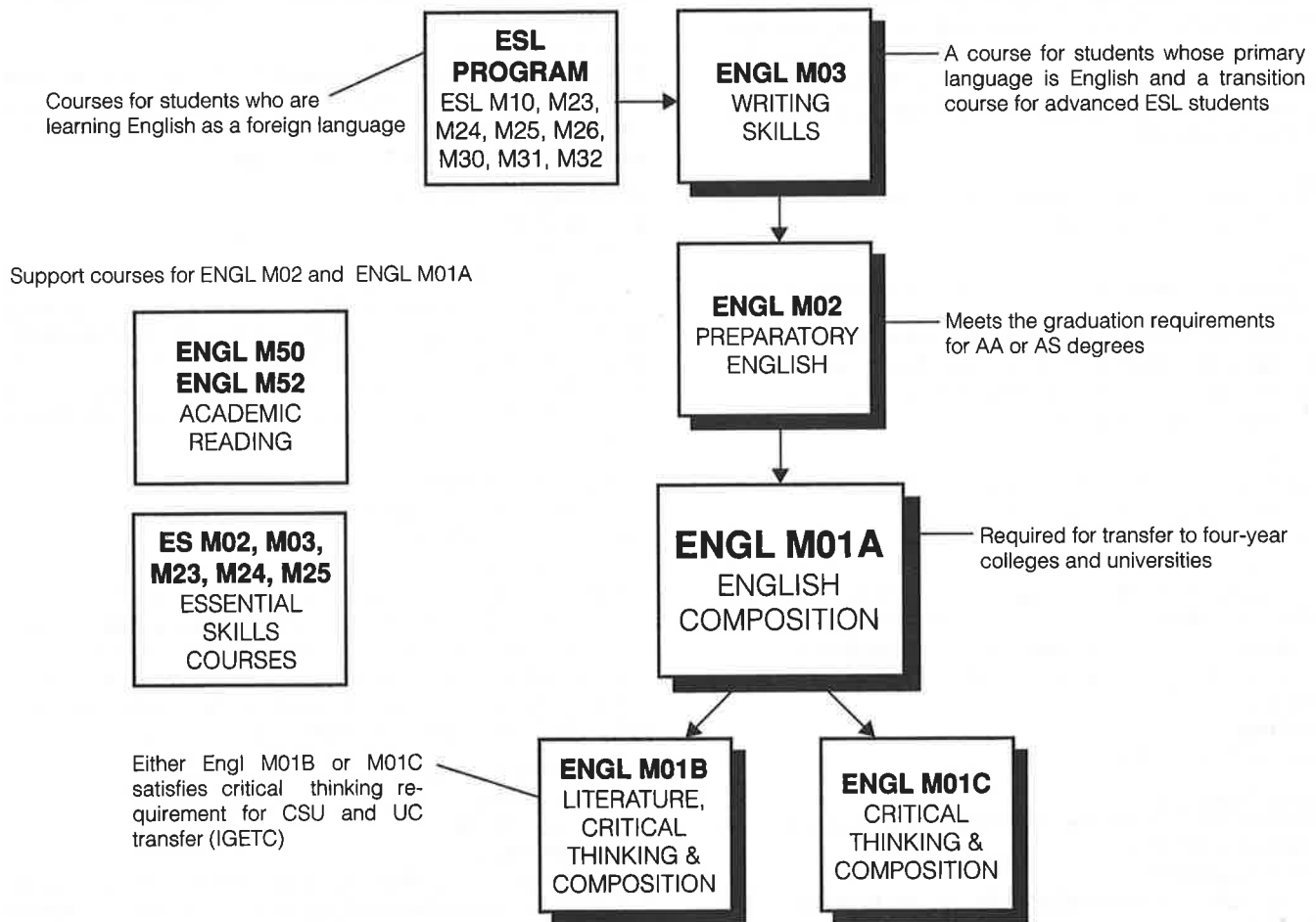
ET M80 -- 1 to 4 Units**Internship in Engineering Technology**Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

Sequence of English Courses at Moorpark College

To discover your best starting point in this course sequence, participate in the assessment process.



ADVANCED ENGLISH COURSES

(English M01A is a prerequisite for the following courses.)

ENGL M05	Radio/Television Script Writing	ENGL M20	Study of Drama
ENGL M10A/B	Creative Writing	ENGL M21	Contemporary Novels
ENGL M11	Report and Technical Writing	ENGL M25	Play Writing
ENGL M13A/B	Major American Writers I & II	ENGL M29A/B	Bible Literature, Old & New Testaments
ENGL M14	Study of Poetry	ENGL M30/31	Masterpieces in World Literature I & II
ENGL M15A/B	Survey of English Literature	ENGL M33	Modern European Fiction
ENGL M17	Shakespeare	ENGL M45	Hispanic American Literature
ENGL M18	The Modern American Novel	ENGL M46	African-American Literature
ENGL M19	Introduction to the Short Story	ENGL M47	Magazine Editing

ENGLISH

The study of English offers a basic understanding of writing skills and appreciation of literature. The exploration of the possibilities of language in the human experience is a vital foundation for all learning. *See chart on previous page.*

Career Opportunities

Most careers require bachelors or graduate degree.

Editor, Editor, House Publications, Copywriter, Journalist, Library Reference Worker, Television Writer, Technical Writer, Publicist, Researcher, Copy Editor, Program Developer, Civil Service Positions, Executive Assistant, Manager Trainee, Scenario Writer, Legal Aide, Report Writer, Proofreader, Novelist, Playwright, Biographer, Story Writer, Magazine Writer, Poet, Public Relations Worker

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

Barbara Baker, Gillian Dale, John Davie, Bona Dillon, Hugo Ekback, Norman Garber, Anne Kairschner, Diana Lopez, Judith Ramos, Patricia Ross, Hart Schulz, Pamela Sheridan, Sydney Sims, Michael Strumpf, Tracy Tennenhouse

Part-Time

Dale Alan Bailes, David Birchman, Stephen Bluestein, Jane Chapman, Jimmy Crawford, Janet Cross, Fred D'Astoli, Patti Della Corna, Deborah Dixon, Richard Edwards, Shaista Gill, Beth Gillis-Smith, Charles Grogg, John Hanft, Bobbie Harris, Heather Horn, Thomas Hughes, Derreatha Juarez, Clive Leeman, Heather McGehee, Ilene Miele, Steve Moes, James Neleson, Jean O'Sullivan, Lindy Ravling, Sandra Rayl, Monika Savic, Sandra Schulman, Jacalyn Scott, Nils Slattum, Hari Vishwanadha, Lori Wolf, Kimberly York

Counselors

Mike Johnson, Mary Martin

English Courses

ENGL M01A -- 3 Units

English Composition

Prerequisite: ENGL M02 or equivalent skills measured by the assessment process. *ESL 133*

Class Hours: 3 lecture

Emphasizes research and expository writing, demonstrating rhetorical organization, range of diction, clear sentence and paragraph construction, and command of the conventions of English usage. Develops analytical and interpretive reading skills. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGL 2; ENGL SEQ A (ENGL M01A+M01B).*

ENGL M1B -- 3 Units

Literature: Critical Thinking/Composition

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Emphasizes critical thinking and writing skills in close textual analysis of issues and themes in fiction, poetry and drama as well as in non-fictional literature and literary criticism. Reviews deductive and inductive reasoning, recognition and avoidance of logical fallacies, and relationships between language and meaning. Emphasizes detailed critical analysis. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGL 4; ENGL SEQ A (ENGL M01A+M01B).*

ENGL M01C - CSU; UC pending

ENGL M01C -- 3 Units

Critical Thinking and Composition

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Develops advanced levels of critical thinking, reading, and writing. Focuses on the development of logical reasoning as well as analytical and argumentative writing skills. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M02 -- 3 Units

Intro to College Writing (Formerly Preparatory English)

Prerequisite: None

Class Hours: 3 lecture

Introduces college level writing, emphasizing clear central ideas, coherent development, reasoned conclusions, variety of sentence structures, and freedom from basic grammar and punctuation errors. Stresses college-level reading. *Applies to Associate Degree.*

ENGL M03 -- 3 Units

Writing Skills

Prerequisite: None

Class Hours: 3 lecture, 2 lab

Involves intensive practice in developing ideas, making clear statements and organizing information at the level of the paragraph. Emphasizes grammar, spelling, vocabulary building, sentence structure and composing strategies for short writings. Requires word processing in a computer lab. May be taken two (2) times for credit. *Does not apply toward a degree.*

ENGL M05 -- 3 Units

Radio-Television Script Writing

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces the fundamentals of script format, professional methods, and the ethics and restrictions involved in the broadcasting media. Includes the preparation and analysis of dramatic scripts, program formats, public service announcements, local news, commercials, continuity, discussion programs, special events, talks and interviews. (Same course as RT M05). *Applies to the Associate Degree. Transfer credit: CSU*

ENGL M10A -- 3 Units

Creative Writing

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Workshop format. Concentrates on the techniques of writing fiction and poetry through the production of original works followed by discussion and analysis. *Applies to the Associate Degree. Transfer credit: CSU; UC CAN: ENGL 6*

ENGL M10B -- 3 Units

Creative Writing

Prerequisite: ENGL M10A

Class Hours: 3 lecture

Introduces advanced study of literary forms, emphasizing prose and poetry through practice, discussion and analysis. May be taken two (2) times for credit. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M11 -- 3 Units

Report and Technical Writing

Prerequisite: ENGL M1A

Class Hours: 3 lecture

Provides extensive practice writing proposals, memoranda, letters, technical reports, and technical manuals. Demands complete and accurate writing, demonstrating situational analysis, appropriate structuring, careful research and documentation, and incorporation of data and graphics. *Applies to the Associate Degree. Transfer credit: CSU*

ENGL M01B

CSU; UC pending

ENGL M13A -- 3 Units**Major American Writers I**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces American writing from the colonial era to the end of the Civil War, emphasizing works of major writers in their literary, historical and cultural contexts. Includes such authors as Bradstreet, Taylor, Franklin, Poe, Melville and Whitman. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGL 14; ENGL SEQ C (ENGL M13A+M13B).*

ENGL M13B -- 3 Units**Major American Writers II**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces American writing from the post-Civil War to the present, emphasizing works of major writers in their literary, historical and cultural contexts. Includes such authors as Twain, James, Hemingway, Faulkner and Wright. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGL 16; ENGL SEQ C (ENGL M13A+M13B).*

ENGL M14 -- 3 Units**Study of Poetry**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces the study of poetry, emphasizing imagery, figurative language, symbolism, rhythm and diction. Examples drawn from American and British poetry. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M15A -- 3 Units**Survey of English Literature**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Surveys major works of British Literature from the Anglo-Saxon period to the end of the 18th century in their literary, historical and cultural contexts. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGL 8; ENGL SEQ B (ENGL M15A+M15B).*

ENGL M15B -- 3 Units**Survey of English Literature**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Surveys major works of British Literature from the beginning of the 19th century to the present in their literary, historical and cultural contexts. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGL 10; ENGL SEQ B (ENGL M15A+M15B).*

ENGL M17 -- 3 Units**Shakespeare**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Surveys twelve plays, including romantic comedies, chronicles, tragedies, "dark" comedies, and romances. Includes lectures, critical papers, and discussions. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M18 -- 3 Units**The Modern American Novel**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces representative novels by prominent American authors from the post Civil War period to the present, emphasizing critical perspectives and major contributions as well as each work's relation to and reflection of its literary, historical and cultural backgrounds. *Transfer credit: CSU; UC*

ENGL M19 -- 3 Units**Introduction to Short Story**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces form and content of short stories, emphasizing critical reading and analysis of selected American and European literary examples. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M20 -- 3 Units**Study of Drama**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces the study of drama in its historical, cultural, and biographical context, including examples from ancient Greek tragedy to the Theatre of the Absurd. Emphasizes critical analysis demonstrated through major essays. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: ENGL 22*

ENGL M21 -- 3 Units**Contemporary Novels**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Reviews post-World War II novels, American and foreign, emphasizing their relevance, innovation, style and literary value. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M22A/B -- 1 to 3 Units Each**Independent Studies in English**

Prerequisite: A previous course in English

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of English through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ENGL M25 -- 3 Units**Play Writing**

Prerequisite: None

Class Hours: 3 lecture

Develops skills needed in writing for the theatre. Offers possible opportunity of production. (Same course as THA M21). *Applies to the Associate Degree. Transfer credit: CSU*

ENGL M29A -- 3 Units**Old Testament as Literature**

Prerequisite: None

Class Hours: 3 lecture

Introduces form, theme and style of the Books of the Old Testament, including the thirty-nine books from Genesis to Malachi. Includes historical perspective of the Old Testament Apocrypha. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M29B -- 3 Units**New Testament as Literature**

Prerequisite: None

Class Hours: 3 lecture

Introduces form, theme and style of the Books of the New Testament, including nine of the twenty-seven books of the New Testament, from Matthew to Revelation. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M25B - 3
Playwriting
CSU

ENGL M30 -- 3 Units**Masterpieces of World Literature I**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Reviews representative authors from the time of Homer to the Renaissance, emphasizing selected Greek, Roman, Medieval and Renaissance masterpieces. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M31 -- 3 Units**Masterpieces of World Literature II**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Reviews major literature from the Renaissance to the present, including selected masterpieces from America, Britain, France, Germany and Russia. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M33 -- 3 Units**Modern European Fiction**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces major modern European fiction, including such authors as Dostoyevsky, Tolstoy, Flaubert, Camus, Hesse, Gogol, Gide, Babel, and Mann. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M45 -- 3 Units**Hispanic American Literature**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Offers cross-cultural analytical examination of Hispanic American literature, emphasizing the influence of culture on each author's perception. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M46 -- 3 Units**African-American Literature**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces historical and critical analysis of African-American literature, emphasizing an understanding of the Black Experience as embodied in American writing. Includes readings from the 19th and 20th centuries. *Applies to the Associate Degree. Transfer credit: CSU; UC*

ENGL M47 -- 3 Units**Magazine Editing**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces the analysis, development, composition and layout of magazines or similar publications, emphasizing the coordination of feature stories and related articles with attractive pictorial displays. Also reviews graphic arts as related to magazine production. (Same course as JOUR M11A). *Applies to the Associate Degree. Transfer credit: CSU*

ENGL M48 -- 3 Units**Word Power**

Prerequisite: None

Class Hours: 3 lecture

Develops listening, speaking, reading, and writing vocabularies by developing word analysis and vocabulary expansion skills. Includes study of Greek and Latin roots, prefixes, suffixes, synonyms, antonyms, diction, word origins, contextual clues, and college level and professional vocabularies. Focuses on individual progress. *Applies to the Associate Degree.*

ENGL 44 - CSU; UC pending

ENGL M50 -- 3 Units**Academic Reading and Study Skills**

Prerequisite: None

Class Hours: 3 lecture

Introduces academic reading skills, emphasizing comprehension, speed, study skills, vocabulary development, awareness of current events, goal setting, and time management. *Applies to Associate Degree.*

ENGL M52 -- 3 Units**Advanced Academic Reading and Study Skills**

Prerequisite: None

Class Hours: 3 lecture

Offers advanced instruction and practice in analyzing prose from various disciplines and difficulty levels. Emphasizes ability to recognize sophisticated prose structures, idea organization, and interrelationship of concepts. Reviews making inferences, drawing conclusions, critically evaluating prose as well as developing vocabulary building, summary and study skills. *Applies to the Associate Degree. Transfer credit: CSU*

ENGL M60A-Z -- 1 to 3 Units Each**Topics in English**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**ENGL M60A -- 3 Units****The Poetry of Chaucer**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Examines Chaucer's language and literary techniques through discussion and close reading of his major works, emphasizing "The Canterbury Tales" and "Troilus and Criseyde." Requires critical analysis. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ENGL M60W -- 3 Units**Women in Medieval Literature**

Prerequisite: ENGL M1A

Class Hours: 3 lecture

Introduces the historical, religious, and literary works of the Middle Ages with attention to their presentation of the nature and status of women. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ENGL M80 -- 1 to 4 Units**Internship in English**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

ENGL M89A-Z -- 0.5 to 3 Units Each**Institutes in English**

Prerequisite: None

Class Hours: As arranged

Series of special lectures and discussions on selected topics of interest in English. Offered credit/no-credit only. *Applies to Associate Degree.*

ENGL M95 -- 3 Units**Honors in English: Approaches to Literary Study**

Prerequisite: ENGL M01A (with a grade B or better)

Class Hours: 3 lecture

Introduces the aims and methods of literary scholarship and criticism, emphasizing both literary and critical theory. Includes the terms and concepts necessary for meaningful discussions of and writing about fiction, poetry and drama. Studies three or four literary texts from a variety of contemporary critical approaches, preparing students for upper-division university-level work. *Applies to Associate Degree. Transfer credit: CSU; UC pending.*

ENGLISH AS A SECOND LANGUAGE

The English as a Second Language program prepares students for transfer-level courses and improves language facility in social and job situations.

Dean

Rene Rodriquez, Phone (805) 378-1404

Faculty**Full-Time**

Gillian Dale, Judith Ramos

Part-Time

Stephen Bluestein, Patricia Della Corna, Monika Savic, Jacalyn Scott

Counselors

Chuck Brinkman, Mike Johnson

English as a Second Language Courses**ESL M10 -- 4 Units****Introduction to ESL**

Prerequisite: None

Class Hours: 4 lecture, 1 lab

Helps incoming international students adjust to daily life transactions, including social and work situations. Emphasizes skills and knowledge needed for everyday verbal and written communication. Requires an hour of individualized work in language lab each week. *Does not apply toward a degree.*

ESL M23 -- 4 Units**Fundamentals in Listening and Speaking**

Prerequisite: None

Class Hours: 4 lecture, 1 lab

Develops the listening and speaking skills of beginning students of English, emphasizing vocabulary acquisition, accurate pronunciation, and mastery of basic sentence structures. Requires participation in paired and small group conversations, word games, and class discussions. Includes responding to video clips, popular songs and radio news; lecture and note taking; role playing; and student oral presentations. Brief writings and reading and grammar study supplement oral language practice. May be taken three (3) times for credit. Formerly ENGL 4A. *Does not apply toward a degree.*

ESL M24 -- 4 Units**Listening and Conversation Practice**

Prerequisite: ESL M23

Class Hours: 4 lecture, 1 lab

Provides practice in intermediate level English speaking and listening skills, emphasizing pronunciation, vocabulary, American English speech patterns, sentence phrasing, syllabication, and idioms. Requires participation in paired, group, and class projects that improve comprehension and verbal expression, such as speeches, debates, and discussion of news clips. Includes reading, writing and grammar study to increase oral language proficiency. May be taken three (3) times for credit. Formerly ENGL 4B. *Does not apply toward a degree.*

ESL M25 -- 4 Units**Academic Communication**Prerequisite: ESL M24 or equivalent command of English listening and speaking skills

Class Hours: 4 lecture, 1 lab

Provides instruction in and practice of college-level academic listening and speaking skills, allowing effective comprehension needed for success in transfer-level academic college courses. Includes expansion of vocabulary-building, listening, and discussion skills, demonstrated through oral and written critiques and through individual and group activities. Includes practice with diverse presentations (live speakers, video, TV, drama, documentary, lecture and group discussion). Formerly ENGL 4C. *Does not apply toward a degree.*

ESL M26 -- 1 Unit**Accent Reduction / American English Pronunciation**

Prerequisite: None

Recommended Preparation: ESL M23 and M24

Class Hours: 3 lab

Emphasizes minimizing accents and mastering American English pronunciation. Includes speech diagnosis, introduction to the American English language, dynamics of sound formation, phonetic alphabet usage, intonation, stress, interpretation of a range of spoken and printed materials, vocabulary acquisition, and the development of a lifelong spoken language improvement plan. Lab requires teacher-supervised oral exercises and student practice of material on both audio and videotapes. Learning tapes model speech patterns, and blank tapes record speech production. *May be taken three (3) times for credit. Formerly ENGL 7. Applies to Associate Degree.*

ESL M30 -- 4 Units**Reading and Writing Fundamentals**Prerequisite: ESL M23 or appropriate score on ESL assessment test

Class Hours: 4 lecture, 1 lab

Offers practice in beginning level English reading and composition skills to students whose native language is not English but who have gained some fluency in spoken English. Uses newspapers, grocery ads, magazines and beginning texts. Introduces basic English syntax and sentence structure, spelling, phonics, present/past/future tenses as well as paragraph writing and revising. May be taken three (3) times for credit. Formerly ENGL 6A. *Does not apply toward a degree.*

ESL M31 -- 4 Units**Practice/Application in Reading and Writing**Prerequisite: ESL M30 or appropriate score on ESL assessment test

Class Hours: 4 lecture, 1 lab

Offers practice in intermediate reading and writing to strengthen and improve English vocabulary, reading comprehension and writing. Requires readings at the college-level and compositions based on world events, readings and personal experience. May be taken three (3) times for credit. Formerly ENGL 6B. *Does not apply toward a degree.*

ESL M32 -- 4 Units

Academic Reading and Writing

Prerequisite: ESL M31 or appropriate score on ESL assessment test
Class Hours: 4 lecture, 1 lab

Offers practice in advanced English reading and composition skills to strengthen vocabulary, comprehension and critical analysis of cross-cultural, college-level reading selections. Requires multi-paragraph essays and college essay-question responses. May be taken three (3) times for credit. Formerly ENGL 6C. *Does not apply toward a degree.*

ESL M33 -- 3 Units

Intensive English

Prerequisite: ESL M32
Class Hours: 2 lecture, 3 lab

Provides practice in expository writing, emphasizing understanding readings, formulating ideas and thinking critically. Includes rhetorical patterns as well as outline, summary, synthesis and critique. Introduces library and on-line research techniques. Requires practical application and one-on-one work with instructor during scheduled computer lab. *Applies to Associate Degree. CSU; UC Pending*

ENVIRONMENTAL SCIENCE

Environmental Science is a multidisciplinary field covering the physical, biological, economical, and legal aspects of the environment.

Career Opportunities

A.S. Degree (Environmental Technology)

For information on Environmental Technology Option, refer to page 91.

Field Technician, Hazardous Waste Management, Drinking & Waste Water Laboratory Technician, Air Quality Enforcement, Environmental Testing and Auditing, Consulting Firms

B.S. Degree

Regulatory - Compliance Manager, Health and Safety Managers, Industrial Hygienists and Toxicology, Urban Planning/Environmental Analyst, Research; Teaching, Resource Manager; Ranger

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Full-Time

Muthena Naseri

Part-Time

Gary Gilmartin, Dagmar Gloutak, Robert Miller, Rashid Sani

Counselors

Mary Martin, Danita R. Redd

Environmental Studies Degree

Associate in Arts Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Environmental Studies. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Arts degrees in Environmental Studies offered by four-year institutions. Since the course work in environmental studies is sequential, students may spend less time earning an Associate in Arts Degree and/or Bachelor of Arts Degree by deferring some of the university general education requirements until their Junior and Senior years and giving priority to the requirements for a major in environmental studies. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics – two years high school algebra or MATH M3 or equivalent.

Environmental Studies students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:

	Units
ANTH M02 Cultural Anthropology	3
CHEM M12 Introductory Chemistry I	5
ECON M01 Principles of Micro-Economics	3
ENSC M01 Environmental Science	4
ENSC M02 Environment and Human Interactions	4
GEOL M02 Physical Geology	3
GEOL M02L Physical Geology Lab	1
MATH M15 Introductory Statistics	5
MATH M16A Applied Calculus I	3
MATH M16B Applied Calculus II	3
POLS M03 American Government and Politics	3
TOTAL minimum units required in major area	37

Suggested Course Sequence:

First Semester

ECON M01	3
ENSC M01	4
POLS M03	3
Total	10

Second Semester

ENSC M02	4
MATH M15	5
Total	9

Third Semester

CHEM M12	5
MATH M16A	3
Total	8

Fourth Semester

ANTH M02	3
GEOL M02	3
GEOL M02L	1
MATH M16B	3
Total	10

See Degree Requirements and Transfer Information section for General Education requirements.

Environmental Science Degree

Associate in Science Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Environmental Science. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Science degrees in Environmental Science offered by four-year institutions. Since the course work in environmental science is sequential, students may spend less time earning an Associate in Science Degree and/or Bachelor of Science Degree by deferring some of the university general education requirements until their Junior and Senior years and giving priority to the requirements for a major in environmental science. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics – two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Chemistry – one year high school chemistry or CHEM M12 or equivalent.
- Physics – one-year high school physics or PHYS M10A or equivalent.

Environmental Science students are strongly encouraged to take advantage of summer school offerings.

Required Courses:	Units
BIOL M02A General Biology I	4
BIOL M02B General Biology II	4
CHEM M01A General Chemistry I	6
CHEM M01B General Chemistry II	6
ECON M01 Principles of Micro-Economics	3
ENSC M01 Environmental Science	4
ENSC M02 Environment and Human Interactions	4
MATH M25A Calculus with Analytic Geometry I	5
MATH M25B Calculus with Analytic Geometry II	5
MATH M25C Calculus with Analytic Geometry III	5
PHYS M20A/M20AL .. Mechanics of Solids and Fluids/Lab	5
PHYS M20B/M20BL .. Electricity and Magnetism/Lab	5
TOTAL minimum units required in major area	56

Suggested Course Sequence:

<u>First Semester</u>	
CHEM M01A	6
ECON M01	3
ENSC M01	4
Total	13
<u>Second Semester</u>	
CHEM M01B	6
ENSC M02	4
MATH M25A	5
Total	15
<u>Third Semester</u>	
BIOL M02A	4
MATH M25B	5
PHYS M20A/M20AL	5
Total	14
<u>Fourth Semester</u>	
BIOL M02B	4
MATH M25C	5
PHYS M20B/M20BL	5
Total	14

See Degree Requirements and Transfer Information section for General Education requirements.

Environmental Technology Degree

Associate in Science Degree

Environmental Technology Option (Occupational)

This occupational program is designed to award an Associate in Science Degree in Environmental Technology to those students who have completed the requirements listed. These requirements were specified by a Moorpark College Industrial Advisory committee of working professionals in the environmental field and will be reviewed annually. Graduates of this program are prepared to provide technical support to engineers, scientists and other professionals in this fast-growing field.

Preparation for the Major:

Mathematics -- two years high school algebra or MATH M03 or equivalent.

Required Courses:

	Units
CIS M28 Microsoft Office Professional	3
CHEM M12 Introductory Chemistry I	5
CHEM M13 Introductory Chemistry II	5
EL M01/M01L Introduction to Electronics/Lab	4
ENGL M01A* English Composition (D1)	3
ENGL M11 Report and Technical Writing	3
ENSC M01/M01L* .. Environmental Science (A2)	4
ENSC M02/M02L* .. Environment and Human Interactions (A1)	4
ENSC M04 Environmental Regulations	1.5
ENSC M05 Environmental Sampling & Instrumentation ..	1.5
GEOL M01 Introductory Geology	3
H ED M01* Health and Society (E1)	2
MATH M15* Introductory Statistics (D2)	5
PHYS M01 Descriptive Physics	3
SPCH M01* Introduction to Speech (C2)	3
TOTAL required units in major	50-21 (GE) = 29

*General Education (A1-E1 define general education categories)

Recommended Electives: CIS; CS M01/M01L; DRFT M01, M02A; PSY M11

We strongly recommend CA Drivers License P with Hazard Material endorsement and Red Cross approved CPR course.

See Degree Requirements and Transfer Information section for General Education requirements.

Environmental Technology Certificate

Certificate of Achievement

ENSC M01/M01L .. Environmental Science/Lab	4
ENSC M04 Environmental Regulations	1.5
CIS M28 Microsoft Office	3
GEOL M01 Introductory Geology	3
MATH M09 Pre-Algebra	3
ENSC M02 Environment & Human Interactions	4
ENSC M05 Environmental Sampling & Instrumentation ...	1.5
EL M01/M01L Introduction to Electronics/Lab	4
ET R104 Safety and Emergency Response	4
or (Oxnard College)	
FT R65 Hazardous Materials (Oxnard College)	3
TOTAL units required	27 or 28

For further information, contact Professor Muthena Naseri at (805) 378-1400, ext. 1753.

Environmental Science Courses**ENSC M01 -- 3 Units****Environmental Science**

Prerequisite: None

Corequisite: ENSC M01L

Class Hours: 3 lecture

Introduces the fundamental laws of physics and chemistry controlling the natural processes operating in the world. Emphasizes the interrelationships between humans, their environment and the impact of technology on the global environment. Discusses the existence, measurement and control of energy, air, water and noise pollution. (Physical Science credit). *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

ENSC M01L -- 1 Unit**Environmental Science Lab**

Prerequisite: None

Corequisite: ENSC M01

Class Hours: 3 lab

Clarifies environmental concepts presented in ENSC M01. Requires four field trips: utility plant, waste water treatment facility, recycling/recovery center and college nature center. Stresses scientific method, elements of statistics and sample, and the completion of a research-based oral presentation. *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU; UC pending.*

ENSC M02 -- 4 Units**Environment and Human Interactions**

Prerequisite: None

Class Hours: 3 lecture, 3 lab

Introduces biological principles governing ecosystems, referencing major world biomes and major CA plant communities. Reviews basic concepts and toxicological terminology associated with urban environmental issues, including environmental health. Emphasizes the impact of world demography and population dynamics. Requires field trips. (Biological Science credit). *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

ENSC M03 -- 3 Units**Energy Resources and Conservation**

Prerequisite: None

Class Hours: 3 lecture

Surveys current energy resources, physics of energy and environmental utilization, alternate methods of energy generation and various energy conservation methods. Emphasizes practical application relevant to today's economy and technology. *ENSC formerly Env Sc. Applies to the Associate Degree. Transfer credit: CSU*

ENSC M04 -- 1.5 Units**Environmental Regulations**

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Introduces current laws and regulations governing air and water pollution, solid waste, hazardous material, and pesticides. Reviews federal, state, and local regulation as well as appropriate regulatory agencies. May be taken four (4) times for credit. *ENSC formerly Env Sc. Applies to the Associate Degree.*

ENSC M05 -- 1.5 Units**Environmental Sampling and Instrumentation**

Prerequisite: None

Class Hours: 72 lab total

Introduces instrumentation used to collect and monitor environmental field data, including hands-on operation, calibration, and basic maintenance of instruments. Includes sampling procedures and data collection from automatic recording devices. *ENSC formerly Env Sc. Applies to the Associate Degree. Transfer credit: CSU.*

ENSC M06 -- 3 Units**Water Science**

Prerequisite: None

Class Hours: 4 lecture for 12 weeks

Introduces basic physical, chemical, and biological properties of water as well as wastewater treatment properties, including coagulation, sedimentation, filtration, disinfection, anaerobic digestion, and softening. Emphasizes California Code of Regulations for water standards. Prepares students for California Department of Health Services Operator Certification Examinations, grades 1 & 2. Requires field trips. *ENSC formerly Env Sc. Applies to the Associate Degree. Transfer credit: CSU.*

ENSC M20 -- 3 Units**Environmental Systems**

Prerequisite: None

Class Hours: 2 lecture, 3 activity/lab

Introduces geographic and geologic concepts; soils (types, textures and structure); basic rock types; elements of weather and oceanic influences, including tides and currents. Provides first-hand experience in collecting, measuring, interpreting and reporting field data. Requires field trip to a selected environment (e.g., deserts of Death Valley or Baja, Mexico), plus 32 hours of pre- and post-trip lectures. *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU*

ENSC M22A/B -- 0.5 to 3 Units Each**Independent Studies in Environmental Science**

Prerequisite: A previous course in Environmental Science

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of environmental science through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ENSC M60A-Z — 0.5 to 3 Units Each**Topics in Environmental Science**

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *ENSC formerly Env Sc.*

Developed topics include:**ENSC M60A — 1 Unit****The Desert Biome**

Prerequisite: None

Class Hours: 48 lab total

Introduces the desert biome, reviewing geographic features, adaptation of fauna and flora, and effect of human impact. Requires six-day field trip to selected deserts. *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU.*

ENSC M60B — 1 Unit**The Urban Environment**

Prerequisite: None

Class Hours: 48 lab total

Examines the historical development, shapes, requirements, and contributions of cities to human culture. Requires field trips to three major metropolitan areas in California (Los Angeles, Santa Barbara and San Diego). *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU.*

ENSC M60C — 1 Unit**The Redwoods**

Prerequisite: None

Class Hours: 48 lab total

Reviews world forests, especially the California Coast Redwood Forest. Requires six-day field trip to the Redwood National Park as well as pre- and post-trip preparation and evaluation. *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU.*

ENSC M60D — 1 Unit**Microscale Chemistry**

Prerequisite: None

Class Hours: 48 lab total

Provides hands-on experience with general and organic chemistry on microscale level. Lab activities explore physical properties (density, refraction index), solvent extraction, acid base titrations, and gas chromatography. May require field trips. *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU.*

ENSC M80 -- 1 to 4 Units**Internship in Environmental Science**Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *ENSC formerly Env Sc. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

ESSENTIAL SKILLS

Essential Skills classes are offered to students who need specific information, abilities, and techniques to improve their chances of succeeding in all of their college classes, in the job market, and in the society. In completing the Skills Developmental Laboratory course(s), students will become prepared to undertake successfully further education and training at a college level.

Dean

Ed Tennen, Phone (805) 378-1447

Faculty**Full-Time**

Patricia Dozen

Part-Time

Jeanette Hosek, Sandra Schulman

Counselors

Letrisha Mai, Mary Martin, Danita R. Redd

Essential Skills Courses

Enrollment in an Essential Skills course is possible at almost any time during the semester. Course credit is recorded when the required hours have been completed on an individualized schedule. These courses are only graded credit/no-credit. The units do not apply toward a degree. For more information, contact Center for Learning Assistance Services (CLAS; L-222). Call (805) 378-1556.

ES M01 -- 1 Unit**Library Success Skills**

Prerequisite: None

Class Hours: 16 lecture total

Introduces basic library research skills, including use of the card catalog, various indexes, and basic reference sources as well as compilation of a bibliography. Offered credit/no-credit only. *Does not apply toward a degree.*

ES M02 -- 0.5 to 1.5 Units**Skills Development Laboratory - Reading**

Prerequisite: None

Class Hours: 24-72 laboratory total

Provides intensive individualized work developing reading skills. Includes teaching and tutorial assistance as well as use of multimedia materials and computer-aided instruction. Offered credit/no-credit only. May be taken four (4) times for credit. *Does not apply toward a degree.*

ES M03 -- 0.5 to 1.5 Units**Skills Development Laboratory - Writing**

Prerequisite: None

Class Hours: 24-72 laboratory total

Provides intensive individualized work developing writing skills. Includes teaching and tutorial assistance as well as use of multimedia materials and computer-aided instruction. Offered credit/no-credit only. May be taken four (4) times for credit. *Does not apply toward a degree.*

ES M04 -- 0.5 to 1.5 Units**Skills Development Laboratory - Mathematics**

Prerequisite: None

Class Hours: 24-72 laboratory total

Provides intensive individualized work developing basic math and computing skills. Includes teaching and tutorial assistance as well as use of multimedia materials and computer-aided instruction. Offered credit/no-credit only. May be taken four (4) times for credit. *Does not apply toward a degree.*

ES M05 -- 0.5 to 1.5 Units**Skills Development Laboratory - Study Skills**

Prerequisite: None

Class Hours: 24-72 laboratory total

Provides intensive individualized work developing effective study skills. Reviews effective test-taking as well as test anxiety and stress reduction techniques. Includes teaching and tutorial assistance as well as use of multimedia materials and computer-aided instruction. Offered credit/no-credit only. May be taken four (4) times for credit. *Does not apply toward a degree.*

ES M06 -- 0.5 to 1.5 Units**American English Pronunciation**

Prerequisite: None

Class Hours: 24-72 laboratory total

Provides intensive individualized work to improve American English pronunciation. Reviews simplified augmented alphabet (44 sounds), spelling mastery, and vocabulary building. Students practice communication skills with peers and instructors. Offered credit/no-credit only. May be taken four (4) times for credit. *Does not apply toward a degree.*

**ES M08 – 1 Unit
Vocabulary Development**

Prerequisite: None

Class Hours: 1 lecture

Expands college-level vocabulary for better understanding of textbooks and other readings. Offered credit/no-credit only. May be taken two (2) times for credit. *Does not apply toward a degree.*

ES M10 -- 1 Unit**Pre Math 9**

Prerequisite: None

Class Hours: 2 lecture for 8 weeks

Reviews arithmetic with positive whole numbers, including addition, subtraction, multiplication and division as well as place value, rounding and estimation, factoring and order of operations. Emphasizes solving real-world problems. Allows use of hand-held calculator. Prepares students for eventual success in MATH M09. Offered credit/no-credit only. May be taken two (2) times for credit. *Does not apply toward a degree.*

ES M11 -- 1 Unit**Pre Math 1**

Prerequisite: None

Class Hours: 2 lecture for 8 weeks

Reviews arithmetic and pre-algebra topics needed for success in algebra, emphasizing arithmetic with fractions, decimals and signed numbers, percent, proportion and measurement. May include a brief introduction to algebra. Offered credit/no-credit only. May be taken two (2) times for credit. *Does not apply toward a degree.* NOTE: This course is not a prerequisite for Math 1.

ES M23 – 1 Unit**College Reading Skills**

Prerequisite: None

Class Hours: 1 lecture

Offers intensive individualized instruction to develop and improve individual reading skills. Works one-on-one and in small group with instructor. Offered credit/no-credit only. *Does not apply toward a degree.*

ES M24 – 1 Unit**Speed Reading Skills**

Prerequisite: None

Class Hours: 1 lecture, 1 lab

Introduces speed reading techniques, using speed reading software in the CLAS Computer Lab. Includes individualized needs assessment. Offered credit/no-credit only. *Does not apply toward a degree.*

ES M33 – 1 Unit**Grammar/Punctuation Review**

Prerequisite: None

Class Hours: 1 lecture, 1 lab

Reviews rules and conventions of English grammar and punctuation, emphasizing the ability to write clear, concise, correct sentences and to join them coherently in paragraphs. Offered credit/no-credit only. *Does not apply toward a degree.*

ES M55 – 1 Unit**College Study Skills**

Prerequisite: None

Class Hours: 1 lecture

Offers instruction to develop and improve individual study skills, such as time management, note-taking and test-taking strategies, and one-on-one small group instruction. Offered credit/no-credit only. *Does not apply toward a degree.*

ES M89A -- 1 Unit**Fundamentals of Tutor Training**

Prerequisite: None

Class Hours: 1 lecture

Introduces methods of peer tutoring, emphasizing learning strategies, study skills, and interactive learning strategies. Offered credit/no-credit only. *Does not apply toward a degree.*

EXOTIC ANIMAL TRAINING AND MANAGEMENT

This program offers preparation for students interested in entering the expanding animal care industry. The increasing importance of zoos and wildlife education to the efforts of conservation as well as the use of animals in various entertainment fields present many career options to graduates of this curriculum.

Career Opportunities

Zoo Keeper, Animal Trainer, Conservation/Wildlife Educator
Humane Officer, Animal Handler, Veterinary Assistant, Kennel Worker
Animal Control Officer

Dean

Judith Gerhart, Phone (805) 378-1402

Faculty

Full-Time

James Patterson, James Peddie, Gary Wilson

Part-Time

Carole Doria, Kristin Romero, Cynthia Wilson, Brenda Woodhouse

Counselor

Chuck Brinkman

Procedures for Applying to the EATM Program

Applicants will be selected in the Spring semester for admission into the Fall classes subject to available openings. The requirements, procedures, application dates and program offerings are subject to change. Consult the EATM staff or counselor for current information. Phone: (805) 378-1441.

Qualifying Requirements

1. One of the following must be completed before applying to the program:
 - a) High school graduation and GPA of 2.5 or
 - b) General Education Development (GED) with a score of 45 and a minimum of 12 units of college with a 2.25 GPA or
 - c) High school graduate with less than a 2.5 GPA and a minimum of 12 units of college with a GPA of 2.25.
2. The following documents must be on file at the EATM Program Office at Moorpark College by January 31:
 - a) All official high school and college transcripts
 - b) Completed EATM program application form
 - c) Three letters of recommendation from counselors, instructors, or employers other than relatives

3. Application materials will be reviewed by the selection committee to evaluate the applicant's prior experience with animals, academic background, and level of performance in school and work. The highest ranking applicants will be invited to the EATM facility at Moorpark College for an interview. The purpose of this interview is three-fold:
 - a) To assess the applicant's potential for success in the EATM program and the animals industry.
 - b) To visit the EATM facility and tour the Moorpark College campus.
 - c) To attend informational sessions conducted by staff and students which address the issues of housing, finances, time commitment, transportation, safety and other relevant topics as well as to answer all questions. Through this process, the applicant will be better served in making the decision to attend this program if selected.
4. All applicants must demonstrate freedom from physical handicaps, as certified by a physician, which would affect their ability to safely and satisfactorily perform the responsibilities required of all EATM students. It is the applicant's responsibility to check with the EATM Program Office to see that all required documents are on file at Moorpark College.

Recommendations:

Because the Exotic Animal Training and Management Program annually receives more applicants than can be admitted into this program, it is strongly recommended that the applicant do the following to improve his/her chances for admission:

1. The applicant should have completed the general education requirements as described under Moorpark College's "Degree Requirements and Transfer Information" located in the college catalog.
2. A broad base of experience in caring for both domestic and exotic animals in a variety of job/volunteer situations will enhance an application.

Program Requirements:

The EATM program prepares the student for positions in the animal care industry that often involves working with dangerous animals. The student works with some dangerous animals at the college's facility and at other animal facilities during their course of study. Therefore, students admitted to the program are expected to strictly adhere to the rules and regulations of the program in order to ensure the safety of the students, animals, staff, and public. Furthermore, all students are expected to maintain the highest personal and ethical standards of conduct consistent with professional standards as perceived by the program staff and professional personnel at the facilities where students perform externships. Any information indicating that such standards are not maintained is subject to review by the program staff which may impose disciplinary or corrective sanctions including dismissal from the program.

For successful completion of the EATM program, a minimum grade of C is necessary in all courses required for the major. Because much of the EATM program is sequential in nature, a minimum grade of C in each required course must be obtained before continuing to the next semester. In addition, each student's performance and conduct will be reviewed by the program staff at the conclusion of each semester to determine whether the student may proceed to the next semester.

Exotic Animal Training and Management Degree (Occupational)

Associate in Science Degree

Certificate of Achievement

This program is designed to prepare students for a variety of career options in the animal industry. Entry-level positions exist in zoos, oceanariums, animal parks, government facilities, and the entertainment field. Students completing the courses required in the major receive a certificate of achievement. Students completing the additional general education requirements of the college also receive the associate degree.

Required Core Courses: Units

EATM M01	..... Animal Diversity	3.5
EATM M02	..... Animal Health and Safety	2
EATM M03	..... Exotic Animal Nutrition	2
EATM M04	..... Animal Behavior	3.5
EATM M05	..... Zoo Horticulture	3
EATM M06	..... Animal Anatomy/Physiology	3
EATM M10	..... Projects in EATM	1
EATM M11A	.... Exotic Animal Care and Handling	5
EATM M11B	.... Exotic Animal Care and Handling	1
EATM M11C	.... Exotic Animal Care and Handling	5
EATM M13A	.... Animal Facility Operations	3
EATM M13B	.... Animal Facility Operations	6
EATM M13C	.... Animal Facility Operations	1
EATM M13D	.... Animal Facility Operations	6
EATM M15	..... Education & Entertainment in Animal Parks	3
EATM M21A	.... Exotic Animal Training	1
EATM M23A	.... Elementary Veterinary Procedures	4
EATM M23B	.... Elementary Veterinary Procedures	4
EATM M45A	.... Advanced Education & Entertainment in Animal Parks	2
EATM M45B	.... Advanced Education & Entertainment in Animal Parks	2
HED M05	..... Safety and First Aid	3

Required Additional Courses:

Select one of the following options:

General Exotic Animal Training and Management Option

This option is for students interested in preparing for the widest range of careers in the animal field. Students are required to complete the core curriculum plus the following courses:

EATM M15L	.... Education & Entertainment Lab	1
EATM M21B	.... Exotic Animal Training	1
EATM M21L	.... Exotic Animal Training Laboratory	2
EATM M40	..... Field Experience in EATM	3

Animal Behavior Management Option

This option is for students interested in the management of the behavior of animals in captivity including zoo animals and animals used for entertainment or other animal training situations. Students are required to complete the core curriculum plus the following courses:

EATM M21B	.... Exotic Animal Training	1
EATM M21L	.... Exotic Animal Training Laboratory (2x)	4
EATM M40	..... Field Experience in EATM	2

Wildlife Education Option

This option is for students interested primarily in wildlife or conservation education jobs for private education firms, zoos, theme parks, and wildlife rehabilitation centers. Students are required to complete the core curriculum plus the following courses:

EATM M15L Education & Entertainment Lab	1
EATM M21L Exotic Animal Training Laboratory	2
EATM M40 Field Experience in EATM	2
EATM M46 Wildlife Education	3
TOTAL minimum units required in major area	71-72

Suggested Course Sequence:

FIRST YEAR:

	Units
<u>First Semester</u>	
EATM M01	3.5
EATM M02	2
EATM M05 or H ED M05	3
EATM M11A	5
EATM M15	3
Total	16.5

Interim

EATM M11B	1
Total	1

Second Semester

EATM M03	2
EATM M04	3.5
EATM M05 or H ED M05	3
EATM M06	3
EATM M11C	5
EATM M15L	1
Total	17.5

Summer Session

EATM M13A	3
EATM M40	1-3
Total	4-6

SECOND YEAR:

General EATM Option

Third Semester

EATM M10	1
EATM M13B	6
EATM M21A	1
EATM M23A	4
EATM M45A	2
Total	14

Interim

EATM M13C	1
Total	1

Fourth Semester

EATM M13D	6
EATM M21B	1
EATM M21L	2
EATM M23B	4
EATM M45B	2
Total	15

Animal Behavior Management Option

Third Semester

EATM M13B	6
EATM M21A	1
EATM M21L	2
EATM M23A	4
EATM M45B	2
Total	15

Interim

EATM M13C	1
Total	1

Fourth Semester

EATM M10	1
EATM M13C	6
EATM M21B	1
EATM M21L	2
EATM M23B	4
EATM M45B	2
Total	16

Wildlife Education Option

Third Semester

EATM M10	1
EATM M13B	6
EATM M21A	1
EATM M21L	2
EATM M23A	4
EATM M45A	2
Total	16

Interim

EATM M13C	1
Total	1

Fourth Semester

EATM M13D	6
EATM M23B	4
EATM M45B	2
EATM M46	3
Total	15

Exotic Animal Training and Management Courses

EATM M01 -- 3.5 Units

Animal Diversity

Prerequisite: None

Class Hours: 3 lecture, 1.5 lab

Introduces invertebrate and vertebrate animals, both terrestrial and marine, reviewing classification, general characteristics, adaptations, animal recognition, evolutionary history, and basic concepts of ecology and conservation. Includes classroom animal demonstrations. *Applies to the Associate Degree. Transfer credit: CSU*

EATM M02 -- 2 Units

Animal Health and Safety

Prerequisite: Enrollment in EATM major

Class Hours: 2 lecture

Introduces health and safety problems of keeping animals in captivity, emphasizing preventive medical programs as well as procedures for proper hygiene, quarantine, vaccinations, and safety. Reviews zookeeper safety with a consideration of zoonoses. *Applies to Associate Degree.*

EATM M03 -- 2 Units

Exotic Animal Nutrition

Prerequisite: EATM M02

Class Hours: 2 lecture

Introduces basic factors relating to the feeding and nutritional needs of exotic animals in captivity as well as in the wild. *Applies to Associate Degree.*

EATM M04 -- 3.5 Units

Animal Behavior

Prerequisite: None

Class Hours: 3 lecture, 1.5 lab

Introduces the study of animal behavior, emphasizing learning theory and classical and operant conditioning. Applies concepts of ethology and behavior modification to the maintenance and training of animals in captivity. Requires training a rat and conducting an observational research project on captive animals. (Same course as PSY M12). *Applies to Associate Degree. Transfer credit: CSU*

EATM M05 -- 3 Units

Zoo Horticulture

Prerequisite: Enrollment in EATM program

Class Hours: 2 lecture, 3 lab

Introduces the interrelationship of plants and zoo animals. Provides opportunity to learn and apply skills in soils; plant growth; weed, insect, and disease control; irrigation and fertilization principles; identification and uses of plants; planting and care of lawns, ground covers, flowers, trees, and shrubs including proper pruning and training. Stresses the relationship of plants and zoo animals found in the EATM facility. *Applies to Associate Degree.*

EATM M07 - CSU

EATM M06 -- 3 Units

Animal Anatomy/Physiology

Prerequisite: Enrollment in EATM major

Class Hours: 3 lecture

Introduces the science of veterinary medicine as it applies to non-domestic mammals, birds, reptiles, amphibians, fish, and invertebrates. Provides practical system-by-system approach to each group's basic structure (anatomy) and function (physiology). *Applies to the Associate Degree. Transfer credit: CSU*

EATM M10 -- 1 to 3 Units

Projects in EATM

Prerequisites: EATM M01 and EATM M04 or PSY M12 and EATM M11B

Corequisite: EATM M13B or EATM M13C

Class Hours: 3-9 lab

Requires participation in a variety of externships, each emphasizing a different area of the animal industry and providing professional contacts. May be taken four (4) times for credit. *Applies to Associate Degree.*

EATM M11A -- 5 Units

Exotic Animal Care and Handling

Prerequisite: Enrollment in EATM major

Class Hours: 1 lecture, 12 lab

Develops essential zoo keeping skills through "hands-on" experience caring for the college's animal collection. Emphasizes maintenance of domestic and non-domestic animals in captivity. *Applies to Associate Degree.*

EATM M11B -- 1 Unit

Exotic Animal Care and Handling

Prerequisite: EATM M11A

Class Hours: 12 lab for 4 weeks

Provides practice of zoo keeping skills at America's Teaching Zoo during the break between the fall and spring semesters. *Applies to Associate Degree.*

EATM M11C -- 5 Units

Exotic Animal Care and Handling

Prerequisite: EATM M11A

Class Hours: 1 lecture, 12 lab

Introduces strategies for catching and restraining animals as well as construction of animal enclosures. Provides application of skills while working in the college's animal facility. *Applies to Associate Degree.*

EATM M13A -- 3 Units

Animal Facility Operations

Prerequisites: EATM M11C and EATM M01

Class Hours: 24 lab for 6 weeks

Provides experience in the operation of an animal facility, reviewing effective workplace teams, training workers, animal behavior management, and environmental enrichment programs. Emphasizes how to properly use common hand tools, tie common knots, maneuver a trailer, and perform routine vehicle maintenance. *Applies to Associate Degree.*

EATM M13B -- 6 Units

Animal Facility Operations

Prerequisite: EATM M13A

Class Hours: 2 lecture, 12 lab

Explores issues involving the operation of an animal facility, emphasizing how to evaluate workers, prepare a business plan and budget, and understand the system of state and federal regulations governing the care of captive wildlife. Reviews career options and job application strategies in the animal care field. *Applies to Associate Degree.*

EATM M13C -- 1 Unit

Animal Facility Operations

Prerequisite: EATM M13B

Class Hours: 12 lab for 4 weeks

Provides practice of zoo keeping and leadership skills at America's Teaching Zoo during the break between fall and spring semesters. *Applies to Associate Degree*

EATM M13D -- 6 Units

Animal Facility Operations

Prerequisite: EATM M13B

Class Hours: 2 lecture, 12 lab

Introduces advanced issues of managing an animal facility, including how to manage time, reduce job stress, maintain an animal record system, deal with visitors, transport animals, and prepare a grant proposal. Also reviews the animal rights movement, ethics, animal collection management, and zoo conservation efforts. *Applies to Associate Degree*

EATM M15 -- 3 Units

Education and Entertainment in Animal Parks

Prerequisite: Enrollment in EATM major

Class Hours: 2 lecture, 3 lab

Introduces techniques of interpretation utilized in zoos and live animal presentations, including public speaking, program design, animal handling, public relations methods and problems of animal parks. Requires live animal presentations. *Applies to Associate Degree.*

EATM M15L -- 1 Unit

Education and Entertainment Laboratory

Prerequisite: EATM M15

Class Hours: 3 lab

Requires performance of educational and entertaining presentations using live animals, demonstrating effective interpretation and presentation techniques. *Applies to Associate Degree.*

EATM M21A -- 1 Unit

Exotic Animal Training

Prerequisites: EATM M13A and EATM M04 or PSY M12

Class Hours: 1 lecture

Explores advanced techniques for training a variety of animals. Addresses general concepts of training, including shaping, controlling aggressive behavior, and modifying undesirable behavior. *Applies to Associate Degree.*

EATM M21B -- 1 Unit

Exotic Animal Training

Prerequisite: EATM M21A

Class Hours: 1 lecture

Explores specialized, advanced techniques for training exotic animals in varying situations including film, husbandry and protected contact training. *Applies to Associate Degree.*

EATM M21L -- 2 Units

Exotic Animal Training Laboratory

Prerequisites: EATM M13A and EATM M04 or PSY M12

Corequisite: EATM M21A or M21B

Class Hours: 6 lab

Requires using appropriate techniques to train three animals (bird, herbivore, and either primate or carnivore), demonstrating the importance of proper timing and accurate reading of animals' body language. May be taken two (2) times for credit. *Applies to Associate Degree.*

EATM M22A/B -- 1 to 3 Units Each

Independent Studies in Exotic Animal Training and Management

Prerequisite: A previous EATM course

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of exotic animal training and management through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU*

EATM M23A -- 4 Units

Elementary Veterinary Procedures

Prerequisite: EATM M03 and EATM M06

Class Hours: 3 lecture, 3 lab

Introduces science of veterinary medicine as it applies to non-domestic animals, birds, and reptiles, including a practical approach to the recognition, diagnosis, treatment and nursing care related to various disease processes on an organ system by organ system basis. *Applies to the Associate Degree. Transfer credit: CSU*

EATM M23B -- 4 Units

Elementary Veterinary Procedures

Prerequisite: EATM M23A

Class Hours: 3 lecture, 3 lab

Expands basic veterinary information and skills by introducing concepts of laboratory diagnostic aids, nursing care for non-domestic animals, disease processes and mechanisms, reproduction and newborn care, and the process of death. Requires practical application of skills throughout the course. *Applies to the Associate Degree. Transfer credit: CSU*

EATM M26L -- 1 Unit

Nonhuman Primate Behavior Laboratory

Prerequisite: EATM M04 or PSY M12

Class Hours: 6 lab for 8 weeks

Reviews primate behavior and applies that information to successfully handling and training nonhuman primates. Requires hands-on experience with primates under direct instructor supervision. *Applies to Associate Degree.*

EATM M40 -- 1 to 3 Units

Field Experience in EATM

Prerequisite: EATM M11B

Class Hours: 48-144 lab total

Provides hands-on experience working with a variety of animal species under the supervision of a professional zookeeper. Experience provided at the Los Angeles Zoo and the Santa Barbara Zoo. May be taken four (4) times for credit. *Applies to Associate Degree.*

EATM M45A -- 2 Units

Advanced Education and Entertainment in Animal Parks

Prerequisite: EATM M15

Class Hours: 6 lab

Requires advanced live animal presentations before all types of audiences. Includes demonstrating effective speaking techniques, announcing animal shows, writing original show scripts, selecting music, and handling a range of live-show problems. May be taken two (2) times for credit. *Applies to Associate Degree.*

EATM M45B -- 2 Units

Advanced Education and Entertainment in Animal Parks

Prerequisite: EATM M45A

Class Hours: 6 lab

Involves live animal presentations before all types of audiences. Requires active participation in the development, organization, and presentation of a large-scale animal show with repeated performances, along with small stage presentations. May be taken two (2) times for credit. *Applies to Associate Degree.*

EATM M46 -- 3 Units

Wildlife Education

Prerequisite: EATM M15L

Corequisite: EATM M45B

Class Hours: 2 lecture, 3 lab

Requires design, development and implementation of wildlife education programs for audiences of various ages, cultural orientations, and developmental levels. Involves gathering information on environmental and conservation issues and incorporating this material into educational presentations. May be taken two (2) times for credit. *Applies to Associate Degree.*

EATM M60 A-Z -- 1 - 3 Units Each

Topics in Exotic Animal Training and Management

Prerequisites: To be determined

Class Hours: To be determined

Each course allows in-depth exploration of topics in this field. When offered, each course is announced in the semester's Schedule of Classes. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

EATM M80 -- 1 to 4 Units

Internship in Exotic Animal Training and Management

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

FRENCH

Study in the French language provides specialists to work in areas such as anthropology, economics, political science, literature, and sociology. While teaching is the principle area of employment, other careers may be found in interpreting, translating, research, diplomacy, libraries, and the publishing business.

Career Opportunities

Most careers require bachelors or graduate degree.

Translator, Diplomatic Office, Tutor, Editor, Foreign-Exchange Trader, Foreign Clerk, Foreign Service Officer

Dean

Rene Rodriguez, Phone (805) 378-1404

Faculty

Part-Time

Sami Dagher, Sara Wheeler

Counselors

Mary Martin, Ofelia Romero-Motlagh

French Courses

FREN M01 -- 4 Units Elementary French I

Prerequisite: None

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Introduces the French language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. Requires individualized work in the language lab each week. *FREN formerly FR. Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: FREN 2; FREN SEQ A (FREN M01+M02)*

FREN M02 -- 4 Units Elementary French II

Prerequisite: FREN M01 or 2 years of high school French

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Expands basic principles of grammar and pronunciation, developing the ability to understand and to express French in oral and written form. Requires individualized work in the language lab each week. *FREN formerly FR. Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: FREN 4; FREN SEQ A (FREN M01+M02)*

FREN M03 -- 4 Units Intermediate French I

Prerequisite: FREN M02 or 3 years of high school French

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Expands study of basic grammar and composition, emphasizing ease of reading and mastery of speaking and writing. Requires individualized work in the language lab each week. *FREN formerly FR. Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: FREN 8; FREN SEQ B (FREN M03+M04)*

FREN M04 -- 4 Units Intermediate French II

Prerequisite: FREN M03 or 4 years of high school French with an equivalent fluency

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Emphasizes grammar review, vocabulary development, oral and written expression, and study of representative literary works. Requires individualized work in language lab each week. *FREN formerly FR. Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: FREN 10; FREN SEQ B (FREN M03+M04)*

FREN M22A/B -- 1 to 3 Units Each Independent Studies in French

Prerequisite: A previous course in French

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of French through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *FREN formerly FR. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations*

FREN M31A -- 3 Units Beginning Conversational French

Prerequisite: None

Class Hours: 3 lecture

Provides basic understanding and use of French in practical situations, emphasizing elementary grammar and principles of usage for non-native speakers. May be taken two (2) times for credit. *FREN formerly FR. Applies to Associate Degree.*

FREN M31B -- 3 Units Intermediate Conversational French

Prerequisite: FREN M31A

Class Hours: 3 lecture

Expands introduction and use of French for non-native speakers, emphasizing intermediate grammar and principles of usage. May be taken two (2) times for credit. *FREN formerly FR. Applies to Associate Degree.*

FREN M60A-Z -- 1 to 3 Units Each Topics in French

Prerequisites: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:

FREN M60A -- 3 Units Advanced Studies in French

Prerequisite: FREN M4

Class Hours: 3 lecture

Expands knowledge, potential and advanced use of French through individual and group writing as well as through oral discussion based on a variety of written works. May be taken two (2) times for credit. *FREN formerly FR. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

FREN M80 -- 1 to 4 Units

Internship in French

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *FREN formerly FR. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

GEOGRAPHIC INFORMATION SYSTEMS

Geographic Information Systems is a new technology of computer mapping that records, stores and analyzes information about the features that make up the earth's surface.

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Part-Time

Andrea Ehr Gott

Counselor

Olfelia Romero-Motlagh

Geographic Information Systems Courses

GIS M01 -- 3 Units

Introduction to Mapping and GIS

Prerequisite: None

Class Hours: 3 lecture

Introduces basic cartographic principles, including map types, scales, projections, coordinate systems as well as Geographic Information Systems (GIS) technology and software. Provides hands-on experience with the retrieval and application of data in business or academic areas. Covers GIS concepts of raster/vector conversions, thematic mapping, geocoding and data acquisition as well as various applications (resource management, business marketing, site selection and crime analysis). *Applies to Associate Degree. Transfer credit: CSU; UC, pending*

GEOGRAPHY

Geography is the study of place and space; it is the description of land, sea, and air, and the distribution of plant and animal life including humans and their activities. The most rapidly increasing area of employment for people trained in geography is planning, at all levels — local, regional, and national. Education is a second major career area for geographers, while a background in geography is an asset in travel, recreation, industry, and international trade and commerce.

Career Opportunities

Most careers require bachelors or graduate degree.

Economic Geographer, Aerial Photo Interpreter, Research Marketing Analyst, Resource Planning Analyst, Environmental Impact Analyst, Environmental Research Assistant, Cartographer, Demographer, Regional Analyst, Political Geographer, City or County Planner

Dean

Al Nordquist, Phone (805) 78-1445

Faculty

Part-Time

Monem Abdel-Gawad, June Anderson, Gilbert Dewart, Andrea Ehr Gott

Counselor

Olfelia Romero-Motlagh

Geography Courses

GEOG M01 -- 3 Units

Our Physical Environment

Prerequisite: None

Class Hours: 3 lecture

Introduces physical elements of weather, climate, landforms, vegetation, soils, hydrography, and the effects of the earth's interior structure. Emphasizes the interrelationships between people and their physical environment. Requires field trips. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: GEOG 2; GEOG 6 (GEOG M01+M01L)*

GEOG M01L -- 1 Unit

Physical Environment Lab

Prerequisite: Completion of or concurrent enrollment in GEOG M01

Class Hours: 3 lab

Introduces earth-sun relations as well as map and air photo reading and interpretation. Provides hands-on practice in landscape description, measurement and analysis. Requires written reports. Requires local field trips. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: GEOG 6 (GEOG M01 + M01L)*

GEOG M02 -- 3 Units

Cultural Environment

Prerequisite: None

Class Hours: 3 lecture

Introduces basics of geography, including its objectives, main divisions, and basic principles. Emphasizes social and cultural relationships with the environment. Involves analysis of current world problems as well as urban and rural fieldwork. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: GEOG 4*

GEOG M03 -- 3 Units

Geography of World Affairs

Prerequisite: None

Class Hours: 3 lecture

Surveys world geography, emphasizing the regions, people, and economic activities characteristic of the major political areas of the world. Explores how world affairs are affected by the way humans occupy the earth. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOG M04 -- 3 Units**Resource Utilization**

Prerequisite: None

Class Hours: 3 lecture

Introduces physical and cultural factors influencing the location of economic activities; analysis of the principal economic production systems involved with agriculture, foodstuffs, resources and industrialization; and contemporary problems of international economic power struggles. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOG M05 -- 3 Units**Introduction to Meteorology**

Prerequisite: None

Class Hours: 3 lecture

Introduces meteorological phenomena, including atmospheric circulation and behavior, clouds, precipitation, wind systems, storms, and air pollution. Focuses on interrelationships between land, ocean, and atmosphere as well as weather instruments and their roles in reporting general and aviation weather conditions. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOG M05L -- 1 Unit**Introduction to Meteorology Laboratory**

Prerequisite: Completion of or concurrent enrollment in GEOG M05

Class Hours: 3 lab

Emphasizes hands-on experience with meteorological observation, cloud identification, instrumentation, interpretation of weather charts and data, weather system identification and analysis. Requires field trips. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOG M06 -- 2 Units**Map Use and Interpretation**

Prerequisite: None

Class Hours: 2 lecture

Introduces map reading, analysis, and interpretation, including history and practical use of maps, map projections, and aerial photography. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOG M07 -- 3 Units**The Human Impact**

Prerequisite: None

Class Hours: 3 lecture

Introduces historical review of human modifications of the natural environment, including vegetation, animal life, soils, landforms, water and atmosphere. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOG M10 -- 3 Units**Geography of California**

Prerequisite: None

Class Hours: 3 lecture

Reviews human involvement with various California landscapes, including the state's historical settlement, resource utilization and physical environment. Requires field trips on local land use patterns. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOG M22A/B -- 0.5 to 3 Units Each
Independent Studies in Geography

Prerequisite: A previous course in geography

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of geography through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

GEOG M60A-M -- 1 to 3 Units Each**Topics in Physical Geography**

Prerequisite: Prior course in geography

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**GEOG M60A -- 3 Units****Volcanism and Human Activity**

Prerequisite: None

Class Hours: 3 lecture

Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.

GEOG M60B -- 3 Units**Glacial Landscapes**

Prerequisite: None

Class Hours: 3 lecture

Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.

GEOG M60C -- 3 Units**Regional Geomorphology**

Prerequisite: None

Class Hours: 3 lecture

Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.

GEOG M60N-Z -- 1 to 3 Units Each**Topics in Cultural Geography**

Prerequisite: Prior course in Geography

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**GEOG M60N -- 3 Units****Landscape Analysis**

Prerequisite: None

Class Hours: 3 lecture

Introduces procedures of field examination and data collection in areas such as settlement patterns, population changes and land use. Reviews the observation, mapping and analysis of landscapes affected by human activity. Requires field trips. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

GEOG M80 -- 1 to 4 Units**Internship in Geography**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

GEOLOGY

This program presents a study of the earth, its physical, chemical and biological forces at work.

Career Opportunities

Most careers require bachelors or graduate degree.

Field Geologist, Mining Geologist, Engineering Geologist, Researcher, Consultant, Librarian, Park Naturalist, Geological Technician, Technical Writer/Editor, Laboratory Research Worker, Aerogeologist, Map Editor

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Part-Time

Monem Abdel-Gawad, June Anderson, Terry Davis, Gilbert Dewart, Roberta Harma, Gerald Simila

Counselors

Letrisha Mai, Mary Martin, Danita R. Redd

Geology Degree

Associate in Science Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Geology. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Science degrees in Geology offered by four-year institutions. Since the course work in geology is sequential, students may spend less time earning an Associate in Science Degree and/or Bachelor of Science Degree by deferring some of the university general education requirements until their Junior and Senior years and giving priority to the requirements for a major in geology. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics – two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Chemistry – one year high school chemistry or CHEM M12 or equivalent.
- Physics – one year high school physics or PHYS M10A or equivalent if student plans to take PHYS M20A/M20AL.

Geology students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:

	Units
CHEM M01A	6
CHEM M01B	6
GEOL M02	3
GEOL M02L	1
GEOL M03	3
GEOL M04	4
MATH M15	5
..... or	
MATH M25C	5
MATH M25A	5
MATH M25B	5
PHYS M10A/M10AL ..	5
..... or	

PHYS M20A/M20AL ..	5
PHYS M10B/M10BL ..	5

or

PHYS M20B/M20BL ..	5
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TOTAL minimum units required in major area 48

Suggested Course Sequence:

First Semester

CHEM M01A	6
GEOL M02	3
GEOL M02L	1
Total	10

Second Semester

CHEM M01B	6
MATH M15 or MATH M25C	5
Total	11

Third Semester

GEOL M03	3
MATH M25A	5
PHYS M10A/M10AL or	
PHYS M20A/20AL	5
Total	13

Fourth Semester

GEOL M04	4
MATH M25B	5
PHYS M10B/M10BL or	
PHYS M20B/M20BL	5
Total	14

See Degree Requirements and Transfer Information section for General Education requirements.

Geology Courses

GEOL M01 -- 3 Units

Introductory Geology

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces the composition, structure, and modification of earth and its physical systems. Includes identifying common rocks, minerals, physical processes and geologic structures in the lab and in the field. *Applies to the Associate Degree. Transfer credit: CSU; UC*

GEOL M02 -- 3 Units

Physical Geology

Prerequisite: None

Class Hours: 3 lecture

Introduces materials and structure of the earth, origin and development of land forms as well as the principles and processes of geology including erosion and sedimentation, volcanic, glacial and earthquake activity. Focuses on global tectonics. *Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: GEOL 2 (GEOL M02+M02L); CAN GEOL 6 (GEOL M02 only)*

GEOL M02L -- 1 Unit

Physical Geology Lab

Prerequisite: None

Corequisite: GEOL M02

Class Hours: 3 lab

Provides hands-on experience in direct observation and scientific analysis of geologic data. Emphasizes mineral and rock formation and identification; topographic and geologic map interpretation; and laboratory and field observation and identification. Requires field trips. *Applies to the Associate Degree. Transfer credit: CSU; UC; CAN: GEOL 2 (GEOL M02+M02L)*

GEOL M03 -- 3 Units**Earth History**

Prerequisite: None

Class Hours: 3 lecture

Introduces geologic history of the earth and evolution of life revealed by fossil records. Reviews elementary problems in paleontology, stratigraphy, and structure and geologic mapping. *Applies to the Associate Degree.*

*Transfer credit: CSU; UC.***GEOL M04 -- 4 Units****Mineralogy**

Prerequisites: GEOL M02, GEOL M02L and CHEM M12

Class Hours: 2 lecture, 6 lab

Introduces principles of rock-forming mineralogy, emphasizing crystallography, mineral chemistry, physical properties, occurrence, origin, and associations of common minerals. May require field trips. *Applies to the Associate Degree.* *Transfer credit: CSU; UC.*

GEOL M05 -- 3 Units**The World Ocean**

Prerequisite: None

Class Hours: 3 lecture

Introduces the geological, physical and chemical characteristics of the ocean. Reviews formation of the ocean basins, ocean currents, waves, tides, beaches, chemistry and marine pollution. *Applies to the Associate Degree.* *Transfer credit: CSU; UC.*

GEOL M21 -- 3 Units**Geology of California**

Prerequisite: None

Class Hours: 3 lecture

Focuses on geologic provinces of California including topography, structure, geologic history, lithology and mineral resources. Requires field trips. *Applies to the Associate Degree.* *Transfer credit: CSU; UC.*

GEOL M22A/B -- 0.5 to 3 Units Each**Independent Studies in Geology**

Prerequisite: A previous course in geology

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of geology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree.* *Transfer credit: CSU; UC credit limitations.*

GEOL M41 -- 3 Units**Geology of the National Parks and Monuments**

Prerequisite: None

Class Hours: 3 lecture

Introduces physical and historical geology of the national parks and monuments in western America. Requires field trips. *Applies to the Associate Degree.* *Transfer credit: CSU.*

GEOL M51 -- 1-3 Units**Field Geology**

Prerequisite: A previous course in Geology

Class Hours: 3-9 lab

Reviews field studies and geologic processes exemplified in specific localities. May be taken two (2) times for credit. *Applies to the Associate Degree.* *Transfer credit: CSU.*

GEOL M61 -- 3 Units**Geologic Hazards**

Prerequisite: None

Class Hours: 3 lecture

Introduces geologic hazards to environment, including landslides, earthquakes and floods. Emphasizes local conditions. May require field trips. *Applies to the Associate Degree.* *Transfer credit: CSU; UC.*

GEOL M80 -- 1 to 4 Units**Internship in Geology**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree.* *Transfer credit: CSU, credit limitations.*

GERMAN

Study in the German language provides specialists to work in areas such as anthropology, economics, political science, literature, and sociology. While teaching is the principle area of employment, other careers may be found in interpreting, translating, research, diplomacy, libraries, and the publishing business.

Career Opportunities

Most careers require bachelors or graduate degree.

Translator, Diplomatic Office, Tutor, Editor, Foreign-Exchange Trader, Foreign Clerk, Foreign Service Officer

Dean

Rene Rodriguez, Phone (805) 378-1404

Faculty

Part-Time

Jane Chapman, Andrea Fuchs

Counselor

Ofelia Romero-Motlagh

German Courses

GERM M01 -- 4 Units**Elementary German I**

Prerequisite: None

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Introduces German language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. Requires individualized work in the lab each week. *GERM formerly GER.* *Applies to the Associate Degree.* *Transfer credit: CSU; UC. CAN: GERM 2; GERM SEQ A (GERM M01+M02)*

GERM M02 -- 4 Units**Elementary German II**

Prerequisite: GERM M01 or 2 years of high school German with equivalent fluency

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Further explores German language and culture, emphasizing people and history as well as speaking and writing proficiency. Requires individualized work in the language lab each week. *GERM formerly GER. Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: GERM 4; GERM SEQ A (GERM M01+M02)*

GERM M03 -- 4 Units**Intermediate German I**

Prerequisite: GERM M02 or 3 years of high school German with equivalent fluency

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Offers intensive review of basic grammar, including extension and refinement of fundamentals and increased proficiency in reading, writing, and speaking skills. Focuses on culture through study of selected literature and contemporary society. Requires individualized work in the language lab each week. *GERM formerly GER. Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: GERM 8; GERM SEQ B (GERM M03+M04)*

GERM M04 -- 4 Units**Intermediate German II**

Prerequisite: GERM M03 or 4 years of high school German

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Expands intensive review of basic grammar, including extension and refinement of fundamentals and increased proficiency in reading, writing, and speaking skills. Focuses on culture through study of selected literature and contemporary society. Requires individualized work in the language lab each week. *GERM formerly GER. Applies to the Associate Degree. Transfer credit: CSU; UC. CAN: GERM 10*

GERM M22A/B -- 1 to 3 Units Each**Independent Studies in German**

Prerequisite: A previous course in German

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of German through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *GERM formerly GER. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations*

GERM M31A -- 3 Units**Beginning Conversational German**

Prerequisite: None

Class Hours: 3 lecture

Provides basic understanding and use of German in practical situations, emphasizing elementary grammar and principles of usage for non-native speakers. May be taken two (2) times for credit. *GERM formerly GER. Applies to the Associate Degree. Applies to Associate Degree.*

GERM M31B -- 3 Units**Intermediate Conversational German**

Prerequisite: GERM M31A

Class Hours: 3 lecture

Expands introduction and use of German for non-native speakers, emphasizing intermediate grammar and principles of usage. May be taken two (2) times for credit. *GERM formerly GER. Applies to the Associate Degree. Applies to Associate Degree.*

GERM M80 -- 1 to 4 Units**Internship in German**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *GERM formerly GER. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

GRAPHICS

The Graphics program is designed to prepare students for entry-level employment in advertising agencies, printing and publishing, department stores, television and motion picture studios, advertising departments of large companies, commercial art studios, desktop publishing, production art, graphics photography, electronic pre-press or offset printing and bindery operations. Some the training offered at Moorpark College may prepare them for a free lance career. Students will learn to draw, paint, plan, design, think two-dimensionally and three-dimensionally, and to satisfy art directors and clients as well as provide new opportunities for careers in graphics and print technology.

Career Opportunities

Advertising Artist, Illustrator, Designer, Graphic Artist, Mural Artist, Type Designer, Graphic Arts Technician, Showcard Artist, Desktop Publisher, Production Artist, Process Camera Operator, Sign Painter, Silk Screen Artist, Sketch Artist, Title Designer, Stencil Maker, Commercial Artist, Paste-Up Camera Artist, Electronic Prepress, Stripper/Platemaker, Press Operator, Computer Technician, Sales Representative

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

John Grzywacz-Gray, Sexton Stewart

Part-Time

Sol Dember, Nancy Haberman, Susan Gardner, Joseph Martin, Kerry Mehle, Julie Morton, Ruben Reyes, Douglas Sutherland, Leland Swindel, Sueann Valentine-Wheeler

Counselors

Don Henderson, Edna Ingram

Graphics Degree (Occupational)

Associate in Science Degree

This program is designed to prepare students for careers in the creative and print technology aspects of Graphics. This degree offers specialization in three areas: Graphic Design, Print Technology and Desktop Publishing.

Required Core Courses:	Units
GR M10 Introduction to Graphics	3
GR M20 Macintosh and IBM Operating Systems	2
GR M30 Production Art Techniques	3
TOTAL Core Units	8

Recommended Courses: ART M01C, M04B, M12B, M13A/B; GR M41.

Select one of the following options to complete your Graphics AS Degree:

Graphic Design Option

Core Plus the Following: ADD GR M24 - 3

ART M04A Color and Design	3
ART M12A Drawing and Composition	3
PHOT M01A Beginning Photography	3
GR M26 Computer-Assisted Illustration (Macintosh)	3
GR M27 Electronic and Digital Photography	3
GR M31 Graphic Design I	2
GR M32 Graphic Design II	2
GR M30 Advertising Design	2
GR M34 Lettering and Typography	2
GR M40 Beginning Illustration	3
GR M70 Reproduction Process	2
GR M90 Portfolio	3
TOTAL units required in Graphic Design	38

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Print Technology Option

Core Plus the Following:

GR M24A Desktop Publishing I	3
GR M24B Desktop Publishing II	3
GR M25 Computer Publication Design	3
GR M27 Electronic and Digital Photography	3
GR M71 Offset Printing I	3
GR M72 Offset Printing II	3
GR M75 Process Camera	3
GR M85 Estimating and Scheduling	3
TOTAL units required in Print Technology	32

Desktop Publishing Option

Core Plus the Following:

ART M4A Color and Design	3
ART M12A Drawing and Composition	3
CIS M60D Webpage Design w/HTML	1
GR M24A Desktop Publishing I	3
GR M24B Desktop Publishing II	3
GR M25 Computer Publication Design	3
GR M26 Computer-Assisted Illustration (Macintosh)	3
GR M27 Electronic and Digital Photography	3
GR M31 Graphic Design I	2
GR M34 Lettering and Typography	2
GR M70 Reproduction Process	2
GR M75 Process Camera	3
TOTAL units required in Desktop Publishing	39

See Degree Requirements and Transfer Information section for General Education requirements.

Computerized Composition (Occupational)

Associate in Science Degree

This program is designed to prepare the students for various careers in the expanding computer graphics and composition industry. The curriculum provides emphasis on business, operational and technical skills for those students desiring to enter into sales, sales support or servicing the computer graphics industry.

Required Courses for All Options:	Units
CIS M15 Intro to the PC and DOS	1
CIS M11 Intro to Information Systems	3
CIS M11L CIS Introduction Lab	1
GR M10 Intro to Graphics	3

Required Additional Courses:

Select one of the following options:

Sales

BUS M30 Intro to Business and Economics	3
BUS M35 Sales Techniques	3
BUS M37 Marketing	3
BUS M39 Business Communication Techniques	3
GR M30 Production Art Techniques	3
GR M75 Process Camera I	3

Application Specialist

BUS M39 Business Communication Techniques	3
GR M21 Intro to Windows & Desktop Publishing	2
GR M24A Desktop Publishing I (IBM Compatible)	3
GR M24B Desktop Publishing II	3
GR M75 Process Camera I	3
GR M71 Offset Printing I	3

Field Service Engineer

CS M10/M10L . Intro to Computer Science/Pascal/Lab	4
CS M17A/M17AL . Computer Programming with C/Lab	4
EL M10/M10L . Passive Circuits/Lab	4
EL M16/M16L . Analog Circuits/Lab	4
EL M17/M17L . Digital Circuits/Lab	4
EL M21 Microprocessors and Microcomputers	2
EL M24 Diagnostics, Trouble Shooting & Repair	2
TOTAL units required in major area	25-32

See Degree Requirements and Transfer Information section for General Education requirements.

Computer Graphics Certificate

Certificate of Achievement

ART M04A Color and Design	3
ART M01C Art History	3
ART M12A Drawing and Composition	3
GR M10 Introduction to Graphics	3
GR M20 Macintosh & IBM Operating Systems	2
GR M23 Introduction to Computer Graphics	3
GR M25 Computer Publications Design	3
GR M26 Computer-Assisted Illustration	3
GR M27 Electronic and Digital Photography	3
GR M31 Introduction to Graphic Design I	2
GR M70 Reproduction Process	3
PHOT M1A Beginning Photography	3
TOTAL units required	33

Desktop Publishing Certificate

Certificate of Achievement

GR M10	Introduction to Graphics	3
GR M20	Macintosh and IBM Operating System	2
GR M24A	Desktop Publishing I	3
GR M25	Computer Publication Design	3
GR M26	Computer-Assisted Illustration	3
GR M27	Electronic and Digital Photography	3
GR M31	Graphic Design I	2
TOTAL units required		19

Recommended Courses:

ART M04A, ART M12A, GR M34, GR M70, PHOT M01A

Printing Technology Certificate

Certificate of Achievement

This program prepares students for various occupations in the offset lithography industry. Emphasis is upon basic and advanced skills in preparatory and production techniques.

Required Courses:

	Units	
GR M10	Intro to Graphics	3
GR M20	Macintosh and IBM Operating Systems	2
GR M21	Intro to Windows & Desktop Publishing	2
GR M23	Introduction to Computer Graphics	3
GR M24A	Desktop Publishing I	3
GR M24B	Desktop Publishing II	3
GR M27	Electronic and digital Photography	3
GR M30	Production Art Techniques	3
GR M71	Offset Printing I	3
GR M72	Offset Printing II	3
GR M75	Process Camera I	3
GR M85	Estimating and Scheduling	3
Total units required		34

Graphics Courses

GR 10 -- 3 Units

Introduction to Graphics

Prerequisite: None
 Class Hours: 3 lecture
 Introduces advertising, printing, and the history of graphics. Provides practical applications in design, desktop publishing, camera, and various printing processes. Reviews employment trends and opportunities. *Formerly GC 10. Applies to Associate Degree. Transfer credit: CSU*

GR M20 - 2 Units

Macintosh and IBM Operating Systems

Prerequisite: None
 Class Hours: 1 lecture, 3 lab
 Introduces basic theory and entry-level skills on multiple computer publishing platforms. Emphasizes both operating systems, typography, True Type/Postscript Levels, and printing to Postscript. Provides practical applications in creating text and bitmapped graphics using applets of each operating system. May be taken two (2) times for credit. *Formerly GRD 29. Applies to Associate Degree. Transfer credit: CSU*

GR M21 -- 2 Units

Introduction to Windows & Desktop Publishing: PageMaker

Prerequisite: None
 Class Hours: 1 lecture, 3 lab
 Introduces use of Windows and Adobe PageMaker on PC platform as well as basic principles and applications of desktop publishing. Includes graphics measuring system, typography, proofing and editing techniques. *Formerly GC 20. Applies to Associate Degree. Transfer credit: CSU*

GR M22A/B - 1 to 3 Units Each

Independent Studies in Graphics

Prerequisite: A previous course in Graphics
 Class Hours: 1 to 3 as arranged
 Allows an independent project (approved by instructor and dean) to expand knowledge of graphics through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Formerly GRD 22A/B. Applies to Associate Degree. Transfer credit: CSU*

GR M23 -- 3 Units

Introduction to Computer Graphics (Macintosh)

Prerequisite: None
 Class Hours: 2 lecture, 3 lab
 Surveys computer graphics applications on the Macintosh Computer and introduces basic web design issues. Provides hands-on experience with Adobe Photoshop, Adobe Illustrator and QuarkXpress. *Formerly GRD 30. Applies to Associate Degree.*

GR M24A -- 3 Units

Desktop Publishing I (IBM Compatible): PageMaker

Prerequisite: GR M21
 Class Hours: 2 lecture, 3 lab
 Introduces fundamentals and basic operating procedures of Adobe PageMaker in the Windows environment, emphasizing practical application and principles of layout and typography. Requires creation of camera-ready documents for the reproduction process. *Formerly GC 23A. Applies to Associate Degree.*

GR M24B -- 3 Units

Desktop Publishing II: PageMaker

Prerequisite: GR M24A
 Class Hours: 2 lecture, 3 lab
 Introduces advanced techniques in the production of commercial publications such as business packages, business forms, newsletters and product sheets. Emphasizes production variations and professional problem-solving skills. Includes basics of scanning and color proofing techniques. *Formerly GC 23B. Applies to Associate Degree.*

GR M25 -- 3 Units

Computer Publications Design (Macintosh): Quark Express

Prerequisite: GR M23
 Class Hours: 2 lecture, 3 lab
 Introduces principles of publication design using Quark Xpress. Explores informational graphics and design alternatives, emphasizing effective and efficient communication of information. Covers software, type, graphic elements, screens, photographs, illustrations, templates, style sheets, spot color and process color separations. Requires production of newsletter and other publications. *Formerly GRD 32. Applies to Associate Degree.*

GR M26 -- 3 Units

Computer-Assisted Illustration (Macintosh): Illustrator

Prerequisite: GR M23
 Class Hours: 2 lecture, 3 lab
 Introduces principles of design and computer illustration using Macintosh Computer and appropriate software. Emphasizes organization of visual material, including design concepts, typography, space, shape, line, and texture. Stresses creativity. *Formerly GRD 31. Applies to Associate Degree.*

GR M27 -- 3 Units**Electronic and Digital Photography: Photo Shop**

Prerequisite: A course in the discipline

Class Hours: 2 lecture, 3 lab

Introduces electronic photography and image processing on the Macintosh computer, using silver halide films, electronic still cameras and various scanning techniques to produce photographic output. May be taken two (2) times for credit. *Formerly GRD 60E. (Same course as PHOT M601). Applies to Associate Degree. CSU*

GR M30 -- 3 Units**Production Art Techniques**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces mechanical and electronic applications of production art techniques for graphic reproduction. Emphasizes principles of design, including the creation of rough, comprehensives, camera-ready art and the use of overlay materials. Explores electronic methods of production art as well as digital and film color proofing techniques. *Formerly GC 21. Applies to Associate Degree. Transfer credit: CSU*

GR M31 -- 2 Units**Graphic Design I**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Introduces conceptual, production, and visual design methods, emphasizing commercial art. Provides hands-on production experience. *Formerly GRD 20. Applies to Associate Degree. Transfer credit: CSU*

GR M32 -- 3 Units**Graphic Design II**

Prerequisite: GR M31 or concurrent enrollment

Class Hours: 2 lecture, 3 lab

Introduces basics of advertising and graphic design, reviewing trademark, ad, package, cover and poster design. Requires production projects. *Formerly GRD 20A. Applies to Associate Degree. Transfer credit: CSU*

GR M33 -- 2 Units**Advertising Design**

Prerequisite: GR M32

Class Hours: 1 lecture, 3 lab

Introduces advertising layouts and their translation into camera-ready artwork, including rendering, type specifications and figure indication. Includes developing and executing comprehensive presentations, flat ads, packaging, posters and point-of-sale displays. May be taken two (2) times for credit. *Formerly GRD 20B. Applies to Associate Degree. Transfer credit: CSU*

GR M34 -- 2 Units**Lettering and Typography**

Prerequisite: GR M31 or concurrent enrollment

Class Hours: 1 lecture, 3 lab

Introduces basic lettering with pen and brush. Includes construction of letters in Gothic, Roman, Italic, Script, Text and Modern type, emphasizing character form and distribution essential for page layouts. *Formerly GRD 21. Applies to Associate Degree. Transfer credit: CSU*

GR M40 -- 3 Units**Beginning Illustration**

Prerequisite: ART M12A or concurrent enrollment

Class Hours: 2 lecture, 3 lab

Introduces pen and ink, watercolor, collage and colored pencil techniques as principle means of self-expression. Analyzes topical themes and individual story lines as potential subject matter for weekly drawings. *Formerly GRD 40A. Applies to Associate Degree. Transfer credit: CSU*

GR M41 -- 3 Units**Intermediate Illustration**

Prerequisite: GR M40

Class Hours: 2 lecture, 3 lab

Introduces advanced studies in pen and ink, watercolor washes and mixed media, exploring individual style appropriate to magazine, newspaper and book illustration. *Formerly GRD 40B. Applies to Associate Degree. Transfer credit: CSU*

GR M42 -- 3 Units**Advanced Illustration**

Prerequisite: GR M41

Class Hours: 2 lecture, 3 lab

Emphasizes development of individual style through advanced illustration techniques. Requires Individual projects. May be taken two (2) times for credit. *Formerly GRD 40C. Applies to Associate Degree. Transfer credit: CSU*

GR M50 -- 3 Units**Airbrush Techniques for Advertising & Industry**

Prerequisite: GR M10 or GR M40 or suitable portfolio

Class Hours: 2 lecture, 3 lab

Introduces airbrush techniques for advertising, commercial art and industrial use. Emphasizes preparing illustrations and retouching black and white photographs as well as appropriate equipment maintenance. Provides critique of all production assignments. Students must have access to an airbrush for the duration of the class. *Formerly GRD 41A. Applies to Associate Degree.*

GR M51 -- 3 Units**Airbrush Techniques for Advertising & Industry (Advanced)**

Prerequisite: GR M50

Class Hours: 2 lecture, 3 lab

Introduces advanced techniques and treatments for producing full color art illustrations and color photo retouching, using transparent dyes, transparent colors and opaque designer colors. Emphasizes practical tips for producing acceptable commercial and industrial illustrations. Provides classroom demonstrations and project critiques. Students must have access to an airbrush for the duration of the class. *Formerly GRD 41B. Applies to Associate Degree.*

GR M52 -- 3 Units**Airbrush Painting**

Prerequisite: GR M50

Class Hours: 2 lecture, 3 lab

Provides specialized training in a variety of common airbrush techniques in both black and white and color. Emphasizes commercial, industrial and high tech applications and presentations. *Formerly GRD 42. Applies to Associate Degree.*

GR M60A-Z -- 1 to 3 Units Each**Topics in Graphics**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *Formerly GRD 60A-Z.*

Developed topics include:**GR M60A -- 1 Unit****Airbrush Practice**

Prerequisite: A previous airbrush course

Class Hours: 3 lab

May be taken four (4) times for credit.

GR M60B – 1 to 3 Units**Computer Graphics Practice**Prerequisites: GRD M30 and GRD M31 or GRD M32

Class Hours: 3-9 lab as arranged

May be taken four (4) times for credit.

GR M60G — 3 Units**Creating Background Illustration Scenes for Animation**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces special techniques and use of color to produce final background scenes, using various subjects, effects, and media. Emphasizes special effects for television, movies and commercials. May be taken three (3) times for credit.

GR M70 -- 2 Units**Reproduction Process**Prerequisites: GR M30 and GR M32

Class Hours: 1 lecture, 3 lab

Introduces advanced techniques in the operation of single and 2-color lithographic printing presses, emphasizing multi-color stripping, platemaking and press operation. Uses PMS Color guides and color measurements with the densitometer. Includes pre-press color proofing techniques. *Formerly GC 40. Applies to Associate Degree.*

GR M71 -- 3 Units**Offset Printing I**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Provides theory and practice in small lithographic press operation and stripping/platemaking procedures. Emphasizes operational functions of the printing units, inking units, dampening and delivery units as well as support preparation for stripping; impositioning and assembly; and selection, care and making of presensitive lithographic plates. *Formerly GC 41A. Applies to Associate Degree. Transfer credit: CSU*

GR M72 -- 3 Units**Offset Printing II**

Prerequisite: GR M71

Class Hours: 2 lecture, 3 lab

Emphasizes skills needed for entry-level positions within the printing industry, including stripping, platemaking, and press operation and adjustment. *Formerly GC 41B. Applies to Associate Degree. Transfer credit: CSU*

GR M73 -- 2 Units**Screen Printing I**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Introduces screen-printing and its artistic and commercial application. Includes preparation of various screen printing stencil methods, preparation and care of screens, and use of transparent and opaque inks. *Formerly GC 45A. Applies to Associate Degree. Transfer credit: CSU*

GR M74 -- 2 Units**Screen Printing II**

Prerequisite: GR M73

Class Hours: 1 lecture, 3 lab

Introduces advanced techniques for utilizing photo screen-printing singly or in combination with other stencil methods. Includes instruction and practice of the process camera and its application to screen-printing; basic line photography and contact printing; and single and multicolor printing and posterization techniques. Explores special printing on various surfaces. *Formerly GC 45B. Applies to Associate Degree. Transfer credit: CSU*

GR M75-- 3 Units**Process Camera I**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces characteristics of photographic materials and use of a gallery camera for the production of line negatives. Includes instruction and practice in darkroom techniques, use of filter, contact printing, color proofing, posterization techniques and the diffusion transfer process. *Formerly GC 31A. Applies to Associate Degree. Transfer credit: CSU*

GR M76 -- 3 Units**Process Camera II**

Prerequisite: GR M75

Class Hours: 2 lecture, 3 lab

Introduces advanced theory and practice on the gallery camera. Emphasizes halftone photography, including rescreening, duo-tones, dot manipulation techniques, and halftones for the PMT process. *Formerly GC 31B. Applies to Associate Degree. Transfer credit: CSU*

GR M80 – 1 –4 Units Each**Internship in Graphics**Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitation*

GR M85 -- 3 Units**Estimating and Scheduling**Prerequisites: GR M21 and GR M75 and GR M71

Class Hours: 3 lecture

Introduces how to establish estimates and printing costs through price catalogs and budgeted hourly rates. Uses traditional and computer estimating software. *Formerly GC 50. Applies to Associate Degree. Transfer credit: CSU*

GR M90 -- 2 Units**Portfolio**

Prerequisite: 6 units in Graphics program, including GR M75

Class Hours: 1 lecture, 3 lab

Develops professional presentation of artwork that demonstrates graphic design potential as well as variety of experience. Includes self-promotional concept, resume, and cover letter needed to secure employment. *Formerly GRD 50. Applies to Associate Degree. Transfer credit: CSU*

HEALTH EDUCATION

The objective of the Health Education major is the development and education of students in preparation for professional careers in a variety of health fields. The curricula, based upon a foundation in the liberal arts and the natural and behavioral sciences, are directed to special preparation for the various activities in the specific health fields.

Career Opportunities

Most careers require bachelors or graduate degree.

Athletic Trainer, Hospital Administrator, Health Education Teacher, Community Health Educator, Public Health Administrator, Health Officer, Fitness Instructor, School Health Coordinator, Health Research/Statistician

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Full-Time

James Bittner, Ronald Halleran, Delbert Parker, Nancy Stewart

Part-Time

Leslie Daily, Katherine Holland-Dichter, De Dow, Paul Keysaw, Vance Manakas, Pauletta Matsui, Eldin Onsgard, Sandra Patterson, George Ragsdale

Counselor

Donna Proske-Allyn

Health Education Courses

HED M01 -- 2 Units

Health and Society

Prerequisite: None

Class Hours: 2 lecture

Introduces major health concepts that contribute to healthful living, including personal fitness, mental health, personal relationships, harmful substances, environmental health, communicable diseases, chronic and degenerative disease, reproduction and contraception, and consumer health. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU; UC. (HE M01, M02 and M07 combined, maximum credit, one course.)*

HED M02 -- 2 Units

Women's Health

Prerequisite: None

Class Hours: 2 lecture

Focuses on nature and function of women's health in our society. Introduces major female health problems, emphasizing both the individual's and the community's role in understanding medical advances and implementing their effects. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU; UC. (HE M01, M02 and M07 combined, maximum credit one course.)*

HED M04 -- 0.5 Unit

Fitness Assessment

Prerequisite: None

Class Hours: 8 lecture total

Introduces established procedures that assess physical fitness, emphasizing an evaluation of body composition (percent body fat), strength, flexibility, cardiovascular endurance, vital capacity and nutrition. May be taken four (4) times for credit. Does NOT fulfill PE/Health requirement for Associate Degree. *HED formerly HE. Applies to the Associate Degree.*

HED M05 -- 3 Units

Safety and First Aid

Prerequisite: None

Class Hours: 3 lecture

Introduces how to offer assistance in emergency first aid situations. Successful course completion qualifies student for the American Red Cross Standard First Aid certificate and the Adult Cardiopulmonary Resuscitation card (Adult CPR card). *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU; UC*

HED M06 -- 3 Units

Prevention and Treatment of Athletic Injuries

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces basic concepts, skills and practices for the athletic trainer, including medical aspects of athletic training, athletic therapy, modalities, strength, conditioning, rehabilitation and diagnostic techniques. Provides hands-on experience responding to the athletically injured. Does NOT fulfill PE/Health requirement for Associate Degree. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU; UC.*

HED M07 -- 3 Units

Personal Health

Prerequisite: None

Class Hours: 3 lecture

Introduces components and skills of health and wellness, reviewing positive behavioral changes and their effect on life. Emphasizes self-responsibility based on self-analysis and assessment. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU; UC. (H ED M01, M02, and M07 combined, maximum credit, one course.)*

HED M10A — 0.5 Unit

Alcohol Awareness Seminar

Prerequisite: None

Class Hours: 8 lecture total

Examines the physical, psychological and social effects of alcohol use and abuse including history, case studies, and treatment modes. Emphasizes local information and resources. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

HED M10B — 0.5 Unit

AIDS Seminar

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Introduces full range of information on AIDS, including prevention, testing, counseling, support groups, and medical care. Uses speakers and film to enhance discussion. Reviews local services. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

HED M10C — 0.5 Unit

Women's Health Issues

Prerequisite: None

Class Hours: 8 lecture total

Emphasizes importance of women's participation in own health care, since present decisions affect future health and wellness. Reviews specific health issues for discussion and application. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10D — 0.5 Unit
Weight Management**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Examines causes and effects of being overweight, including physiological, social, and cultural issues. Emphasizes nutrition, exercise and lifestyle changes as means to weight management. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10E — 0.5 Unit
Athletic Injuries Seminar**

Prerequisite: None

Class Hours: 8 lecture total

Examines medical aspects of athletic injury management, including prevention, first-aid, treatment, evaluation and reconditioning. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10F — 0.5 Unit
Stress Management**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Examines physical, emotional, cognitive, and behavioral aspects of stress, including sources, symptoms, physiology of the stress response, burn-out, and effective coping strategies such as induction of the relaxation response. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10G -- 0.5 Unit
Cardiopulmonary Resuscitation**

Prerequisite: None

Class Hours: 8 lecture total

Teaches proficiency in blocked airway management and basic cardiopulmonary resuscitation techniques in adult, child and infant situations. Procedures applicable to individuals with cardiovascular disease but also to those suffering from sudden death due to drowning, electrocution, sensitivity reaction, asphyxia, drug overdose, heart attack and anesthesia idiosyncrasy. Reviews early warning signs, risk factors and prevention of heart disease. May be taken four (4) times for credit. (Only 0.5 unit total may be applied to health requirement). *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10H -- 0.5 Unit
Domestic Violence / Issues and Information**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Introduces definition of domestic violence and abuse, including review of behavioral characteristics of domestic violence, interplay of power and control in a relationship, cycle of violence, and social and legal resources available. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10J -- 0.5 Unit
Date Rape / Self Defense**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Emphasizes recognition of the sexual, physical, and psychological abuse possible in dating relationships. Reviews elements of a healthy relationship, appropriate communication strategies, risks and vulnerabilities in dating relationships, and self defense tactics. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10K -- 0.5 Unit
Smoking and Your Health**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Examines the primary and secondary effects of tobacco use (smoking and chewing) and reviews ways to stop its use. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10M -- 0.5 Unit
Healthful Eating**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Examines basic elements of nutrition and offers techniques and strategies for healthy eating. Includes cooking demonstrations. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10N – 0.5 Unit
Men's Health**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Explores connections between the way men live their lives (exercise, nutrition, stress) and the quality of their health. Emphasizes need for men to participate in own health care, since present decisions affect future health and wellness. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10P -- 0.5 Unit
Fitness for Life**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Introduces key concepts in physical fitness, developing practical tools to assess personal levels of fitness and to create successful exercise programs in injury-free environments. Reviews consumer tips for health and fitness industry. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

**HED M10Q – 0.5 Unit
Health and Sexuality**

Prerequisite: None

Class Hours: 8 lecture total

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 7.5 contact hours. Introduces health and human sexuality, including review of basic sexual anatomy, physiology of sexual response, sexually transmitted diseases, common impediments to healthy sexual functioning, sexual enhancement, and communication skills for achieving greater intimacy. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU*

HED M22A/B – 1 to 3 Units Each**Independent Studies in Health Education**

Prerequisite: A previous course in Health Education

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of health education through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU.*

HED M60A-Z -- 0.5 to 3 Units Each**Topics in Health Education**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU.*

HED M80 -- 1 to 4 Units**Internship in Health Education**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *HED formerly HE. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

HEALTH SCIENCES

A Health Science career represents excellent employment opportunities in the ever-expanding fields of health services and research.

Career Opportunities

Dentist, Health Information Technology, Health Care Administration, Medical Doctor, Health Science Technologies, Occupational Therapy, Physical Therapy, Registered Nurse, Radiologic Technologist, Pharmacist, Veterinarian, Environmental, Occupational, and Public Health

Dean

Victoria Bortolussi, Phone (805) 378-1405

Faculty

Full-Time

Guadalupe Aldana, Patricia Burkard, Denise Byrne, Beatrice Epping, Clint Harper, Carol Higashida, Kimberly Hoffmans, Linda Loisselle, Jo Ann Moore, Brenda Shubert

Part-Time

Linda Allen, Janice Garcia, William Jones, Sandra Joseph, Jamee Maxey- D'Angelo, Gary Metelak, Tamara Moro, Jody Nevandro, Dalila Sankarian, Julie Ann Walker

Health Sciences Institute Counselors Pre-professional

Edna Ingram, Letrisha Mai, Mary Martin, Danita R. Redd

Nursing and Radiography

Frank Bianchino, Gail Goodman

Clinical Joint Appointments

Meade Butler (Los Robles Regional Medical Center)
 Karla Carsey-Rounds (Kaiser Permanente, Woodland Hills)
 Karen Ruballo (Kaiser Permanente, Panorama City)
 Catherine O'Brien (Simi Valley Hospital)
 J. Michael Richardson (Holy Cross Medical Center)

Health Sciences Degree

The Moorpark College Health Sciences Institute (HSI) offers associate degree options for a variety of careers in health sciences:

Career transfer associate degrees

Graduates are eligible for licensure and employment at the entry level of the profession. This degree also provides for transfer to a bachelor degree professional education program. Career transfer associate degrees are offered in nursing and radiologic technology.

Pre-professional transfer associate degrees

Graduates are prepared for transfer for a bachelor degree preparatory to the professional education program. The Institute offers Pre-professional transfer associate degrees in: Pre-dentistry, Pre-medicine, Pre-nursing, Pre-occupational Therapy, Pre-pharmacy, Pre-physical Therapy, Pre-radiologic Technology and Pre-veterinary Medicine.

Within the Health Science Institute, course work can also be completed for transfer programs in chiropractic medicine, physician assistant, dental hygiene, health care administration, nutrition and others. Prospective students are strongly urged to consult the HSI counselors and the catalogs of the professional and undergraduate degree programs for transfer requirements to develop an Education plan prior to enrolling for courses. Counseling appointments and Orientation Seminars can be scheduled by calling (805) 378-1428.

Transfer Information

California State University, Northridge offers a Bachelor of Science in Health Science with five options, all of which require PSY M01A; SOC M01. Additional requirements:

1. *Health Education*: BIOL M01; BIOL M16 or ENSC M02; CHEM M12; H ED M01; MATH M07.
2. *Environmental and Occupational Health*: BIOL M02A; CHEM M01A, M01B or M12, M13 and M08, M09; MATH M07; MICR M01; PHSO M01; PHYS M10A/M10AL, M10B/M10BL.
3. *Health Administration*: BIOL M01; BUS M02A, M02B, M02C; CHEM M12; PHSO M01.
4. *Physical Therapy*: ANAT M01; BIOL M01; CHEM M01A, M01B or M12, M13; MATH M07; PHSO M01; PHYS M10A/M10AL, M10B/M10BL.
5. *Nursing*: ANAT M01; Chemistry - 1 course; MICR M01; PHSO M01; MATH M07, M15.
6. *Radiologic Technology*: ANAT M01; BIOL M02A; CHEM M12; MATH M07; PHYS M10A, M10AL, M10B, M10BL; PHSO M01

Nursing Science

Students wishing to transfer for a Bachelor of Science in Nursing (BSN) have two options:

- a. Complete the *Moorpark College Associate Degree in Nursing* and apply to transfer 56-70 units to a RN to BSN program. These programs are designed for the Associate Degree Nursing (A.D.N.) graduate with Registered Nurse (RN) licensure. In the California State University system, the following courses may be additional requirements: separate Anatomy and Physiology courses; 1 course in U.S. History and Political Science; additional units in Humanities; 1 course in Chemistry with lab, 1 organic chemistry course.

California colleges and universities offering the RN to BSN:

California State University Dominguez Hills, Fresno, Hayward, Long Beach, Northridge, San Bernardino; Mount St. Mary's College; University of Phoenix.

- b. Satisfy the transferable lower-division science and general education requirements and apply to a BSN program. The accepting institution determines transferable courses. Generally acceptable courses are: ANAT M01; ANTH M02; BIOL M02A/M02B; CHEM M01A/M01B, M08, M09; ENGL M01A; MICR M01; NT S M01; PHYS M10A/M10AL, M10B/M10BL; PSY M01A/M01B; SOC M01.

California colleges and universities offering a BSN:

Azusa Pacific University; Biola University; California State University, Bakersfield, Chico, Fresno, Fullerton, Hayward, Humboldt, Long Beach, Los Angeles, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, Sonoma, Stanislaus; Mount St. Mary's College; Pacific Union College; University of Southern California.

Radiologic Technology

Students wishing to apply for admission to a program leading to a Bachelor's Degree in Radiologic Technology (BSRT) have two options:

- a. Complete the *Moorpark College Associate Degree in Radiologic Technology* and apply for transfer to an accepting institution. California State University, Northridge has articulated specific courses with Moorpark College granting transferable units in science, general education and radiologic technology.
- b. Satisfy the transferable lower-division science and general education requirements and then apply to a BSRT program. Major requirements for upper-division standing at: California State University, Northridge: ANAT M01; BIOL M02A; CHEM M12; MATH M07; PHSO M01; PHYS M10A/M10AL, M10B/M10BL.

Pre-Professional Programs: Dental, Medical, Occupational Therapy, Pharmacy, Physical Therapy, and Veterinary

Moorpark College offers courses that will generally meet the basic education requirements for several professional schools. These schools generally require a Bachelor's Degree for admission. Students are advised to determine and satisfy specific requirements for the professional school to which they expect to apply by consulting a counselor and the school catalog.

The general lower-division course requirements for these schools commonly include: BIOL M02A, M02B; CHEM M01A, M01B, plus one year of organic chemistry; MATH M07, (MATH M25A/B recommended); PHYS M10A/M10AL, M10B/M10BL. For veterinary school the requirements are: BIOL M02A; CHEM M01A, M01B; ENGL M01A, M01B; MATH M15; PHYS M10A/M10AL; ZOO M01; (Additional lower-division Chemistry after transfer), 8 units of Humanities/Social Sciences.

The California dental schools are: Loma Linda University, University of California: Los Angeles, San Francisco, University of Pacific, University of Southern California.

The California medical schools are: Loma Linda University, Stanford University, University of California: Davis, Irvine, Los Angeles, San Diego, San Francisco, University of Southern California.

The California occupational schools and programs in physical therapy are: California State University at Long Beach, Northridge, and Sacramento offer a Bachelor's Degree in Physical Therapy, California State University at Fresno offers a combined 3+3 Bachelor / Masters Degree. The remaining offer an entry level Masters Degree: UC San Francisco jointly with San Francisco State; Loma Linda; California Osteopathic Medicine; Mount St. Mary's; Samuel Merritt; University of the Pacific.

The California veterinary school is: University of California, Davis.

Health Science Institute Paths

The Health Science Institute offers four paths to prepare for the major. Each path has a core of required courses.

Pre-Professional Transfer Associate Degrees

These two paths are for the student who plans to meet the requirements for transfer for a bachelor degree preparatory to professional education.

Path #1 includes: Pre-Dentistry, Pre-Medicine, Pre-Pharmacy, Pre-Veterinary Medicine.

Path #2 includes: Pre-Nursing, Pre-Occupational Therapy, Pre-Physical Therapy, Pre-Radiologic Technology

Career Transfer Associate Degrees

This path is for the student to obtain the Associate Degree in Nursing or Radiography in preparation for transfer for the Bachelor's degree

Path #3 includes: Associate Degree Nursing Science - Transfer, Associate Degree Radiologic Technology - Transfer

Non-Transfer Career Degree

This path is for the student to complete the minimal requirement for the Associate Degree with no plans to transfer.

Path #4 includes: Associate Degree Health Information Technology, Associate Degree Nursing, Associate Degree Radiologic Technology

Important Notes for HSI Students:

- The total required units in each major is found by adding the units of the Path Core Courses to the additional units required in the particular major.
- Courses in the major may be used to fulfill many of the general education requirements. Please see a HSI counselor for advice on course selection and additional information.
- Course work, in addition to that shown in these associate degree programs, may be needed, based on the intended four-year transfer institution and the professional school's specific requirements.
- Additional upper division course work WILL be needed after transfer
- THE A.A. OR A.S. DEGREE REQUIRES GENERAL EDUCATION UNITS IN ADDITION TO THE MAJOR UNITS.

HSI Associate Degree Paths 1-4

HSI Path #1 Core Courses

Majors within this path:

Pre-Dentistry, Pre-Medicine, Pre-Pharmacy, Pre-Veterinary Medicine.

Other related career paths:

Osteopathic Medicine, Podiatric Medicine, Chiropractic Medicine, and Optometry.

Required Courses:

	Units
HS M20 Introduction to Health Sciences	2
CHEM M01A General Chemistry I	6
CHEM M01B General Chemistry II	6
BIOL M02A General Biology I	4
BIOL M02B General Biology II	4
ENGL M01A English Composition	3
ENGL M01C Critical Thinking and Composition	3
TOTAL	28

Recommended additional core courses: CHEM M07A, CHEM M07B

Required: Completion of transfer General Education courses. Make a counseling appointment by calling (805) 378-1428.

Pre-Dentistry AA Option

Add the following courses:

MATH M07	College Algebra and Trigonometry	5
MATH M15	Introductory Statistics	5
MATH M16A	Applied Calculus I	3
PHYS M10A	General Physics I	4
PHYS M10AL	General Physics I Laboratory	1
PHYS M10B	General Physics II	4
PHYS M10BL	General Physics II Laboratory	1
PSY M01X	Introduction to Psychology	3
TOTAL		26

Recommended Courses:

Life Drawing, Sculpture, MATH M16B, HS M19A or HS M19B, see Path #1 recommendations.

Pre-Medical/Pre-Pharmacy AA Option

Add the following courses:

MATH M07	College Algebra and Trigonometry	5
MATH M15	Introductory Statistics	5
MATH M16A	Applied Calculus I	3
PHYS M10A	General Physics I	4
PHYS M10AL	General Physics I Laboratory	1
PHYS M10B	General Physics II	4
PHYS M10BL	General Physics II Laboratory	1
ENGL M01B	Literature: Critical Thinking/Composition	3
TOTAL		26

Recommended Courses:

MATH M16B, PSY M01A, PSY M01B, ANPH M01 (or ANAT M01 and PHSO M01), MICR M01, HS M19A or HS M19B, See Path #1 recommendations.

Pre-Medical/Pre-Pharmacy AS Option

Add the following courses:

MATH M25A	Calculus with Analytic Geometry I	5
MATH M25B	Calculus with Analytic Geometry II	5
MATH M25C	Calculus with Analytic Geometry III	5
PHYS M20A	General Physics I	4
PHYS M20AL	General Physics I Laboratory	1
PHYS M20B	General Physics II	4
PHYS M20BL	General Physics II Laboratory	1
ENGL M01B	Literature: Critical Thinking/Composition	3
TOTAL		28

Pre-Medical AS degree recommended courses:

PSY M01A, ANPH M01 (or ANAT M01 and PHSO M01), MICR M01, PHYS M20C, PHYS M20CL, HS M19A or HS M19B

Pre-Pharmacy AS degree recommended courses:

PSY M01B, ECON M01, SPCH M01 or SPCH M02 (for USC), PHYS M20C, PHYS M20CL, HS M19A or HS M19B, see Path #1 recommendations.

Pre-Veterinary Medicine AA Option

Add the following courses:

MATH M07	College Algebra and Trigonometry	5
MATH M16A	Applied Calculus I	3
PHYS M10A	General Physics I	4
PHYS M10AL	General Physics I Laboratory	1
PHYS M10B	General Physics II	4
PHYS M10BL	General Physics II Laboratory	1
TOTAL		18

Recommended courses:

MATH M16B, HS M19A or HS M19B, see Path #1 recommendations.

HSI Path #2 Core Courses

Majors within this path: Pre-Nursing Transfer, Pre-Occupational Therapy, Pre-Physical Therapy, Pre-Radiologic Technology Transfer

Other related career paths: Public Health, Dental Hygienist, Health Care Manager, Medical Records Technologist, Nutritionist, Physician Assistant, Human Performance/Sports Medicine

Required Courses:

	Units	
HS M20	Introduction to Health Science	2
BIOL M02A	General Biology I	4
MATH M07	College Algebra and Trigonometry	5
ANAT M01	General Human Anatomy	4
PHSO M01	Human Physiology	5
ENGL M01A	English Composition	3
PSY M01A	Introduction to Psychology	3
SOC M01*	Introduction to Sociology	3
or		
ANTH M02	Cultural Anthropology	3
SPCH M01	Introduction to Speech	3
or		
SPCH M02**	Elements of Public Speaking	3
TOTAL		32

* Must be SOC M01 for the Pre-physical Therapy Option.

**Must be SPCH M02 for transfer to USC.

Required: Completion of transfer General Education courses.

Make a counseling appointment by calling (805) 378-1428.

Pre-Nursing Transfer AS Option

Add the following courses:

MICR M01	Principles of Microbiology	5
CHEM M12*	Introductory Chemistry I	5
CHEM M13*	Introductory Chemistry II	5
TOTAL		15

* (For UCLA CHEM M01A & M01B may be substituted)

Recommended Courses: HS M15, HS M19A or M19B, MATH M15, NTS M01, NTS M05, Computer Literacy Course, PSY M01A, PSY M01B, PSY M04, PSY M07, PSY M09, PSY M10.

Pre-Occupational Therapy AA Option

Add the following courses:

ENGL M01B	Literature: Critical Thinking/Composition	3
ENGL M01C	Critical Thinking and Composition	3
CHEM M12	Introductory Chemistry I	5
MATH M15	Introductory Statistics	5
PHYS M01	Descriptive Physics	3
PHYS M01L	Descriptive Physics Laboratory	1
PSY M01X	Introduction to Psychology	3
PSY M8	Abnormal Psychology	3
<i>and one of the following art classes:</i>		
ART M08A	Beginning Ceramics	3
ART M09A	Ceramic Design	3
ART M14A	Silk-Screen-Serigraph Printmaking	2
ART M23	Beginning Stained Glass Design	3
TOTAL		28-29

Recommended courses: NTS M01, HS M19A or HS M19B

Pre-Physical Therapy AA Option

Add the following courses:

CHEM M01A	..... General Chemistry I	..... 6
CHEM M01B	..... General Chemistry II	..... 6
MATH M15	..... Introductory Statistics	..... 5
PHYS M10A	..... General Physics I	..... 4
PHYS M10AL	..... General Physics I Laboratory	..... 1
PHYS M10B	..... General Physics II	..... 4
PHYS M10BL	..... General Physics II Laboratory	..... 1
CIS M11	..... Introduction to Information Systems	..... 3
CIS M11L	..... Introduction to Information Systems Lab	..... 1
TOTAL		36

Recommended Courses: NTS M01, HS M19A or M19B

Pre-Radiologic Technology

Transfer AA Option

Add the following courses:

PHYS M10A	..... General Physics I	..... 4
PHYS M10AL	..... General Physics I Laboratory	..... 1
PHYS M10B	..... General Physics II	..... 4
PHYS M10BL	..... General Physics II Laboratory	..... 1
TOTAL		10

Recommended: HS M15, HS M19A or HS M19B

HSI Path #3 Core Courses

Majors within this path:

Nursing Science AS and Transfer, Radiologic Technology AS and Transfer

Required Courses:

Units

HS M16	..... Basic Skills for the Health Care Provider	..... 1
HS M20	..... Introduction to Health Science	..... 2
BIOL M2A	..... General Biology I	..... 4
MATH M07*	..... College Algebra and Trigonometry	..... 5
ANAT M01	..... General Human Anatomy	..... 4
PHSO M01	..... Human Physiology	..... 5
ENGL M01A	..... English Composition	..... 3
CHEM M12	..... Introductory Chemistry I	..... 5
TOTAL		26

* Most common transfer requirement, refer to transfer institution catalog.

Additional Requirements: Completion of General Education courses. Make a counseling appointment by calling (805) 378-1428.

Nursing Science AS and Transfer Option

Add the following courses:

MICR M01	..... Principles of Microbiology	..... 5
PSY M01X	..... Introduction to Psychology	..... 3
SOC M01	..... Introduction to Sociology	..... 3
or		
ANTH M02	..... Cultural Anthropology	..... 3
SPCH M01	..... Introduction to Speech	..... 3
Required Nursing Science courses (See page 117)		36.5
TOTAL		53.5

Recommended Courses: HS M15, M18, M19A or M19B, NT S M01, PHYS M01, PSY M01B, M03, M07, M11, M30

For UCLA take: MATH M25A, CHEM M01A, CHEM M01B, for other transfer programs take CHEM M13, MATH M15, computer literacy course.

Radiologic Technology AS and Transfer Option

Add the following courses:

PHYS M10A	..... General Physics I	..... 4
PHYS M10AL	..... General Physics I Laboratory	..... 1
PHYS M10B	..... General Physics II	..... 4
PHYS M10BL	..... General Physics II Laboratory	..... 1
Required Radiologic Technology Courses (see pg. 118)		57
TOTAL		67

Additional Requirements:

Computer literacy course or challenge with a grade of C or better. CIS M17 recommended (1 unit).

HSI Path #4 Core Courses

Majors within this path: Health Information Technology, Nursing Science, Radiologic Technology

Required Courses:

Units

ANPH M01	..... Intro to Human Anatomy and Physiology	..... 3
ANPH M01L	..... Intro to Human Anatomy and Physiology Lab	..... 2
ENGL M01A	..... English Composition	..... 3
HS M16	..... Basic Skills for the Health Care Provider	..... 1
	(not required for HIT)	..... 1
HS M20	..... Introduction to Health Sciences	..... 2
TOTAL		11

Additional Requirements:

MATH M01 (5 units) or qualify for MATH M03
CHEM M12 (5 units) or completion of high school chemistry with a grade of "C" or higher.

Completion of General Education courses.

Make a counseling appointment by calling (805) 378-1428.

Nursing Science AS Option

Add the following courses:

BIOL M01	..... Principles of Biology	..... 4
MICRO M01	..... Principles of Microbiology	..... 5
PSY M01A	..... Introduction to Psychology	..... 3
SOC M01	..... Introduction to Sociology	..... 3
or		
ANTH M02	..... Cultural Anthropology	..... 3
SPCH M01	..... Introduction to Speech	..... 3
Required Nursing Science Courses (see page 117)		37
TOTAL		55

Radiologic Technology AS Option

Add the following courses:

PHYS M05	..... Radiation Physics	..... 3
PHYS M05L	..... Radiation Physics laboratory	..... 1
HS M19A	..... Beginning Medical Terminology	..... 3
or		
HS M19B	..... Advanced Medical Terminology	..... 3
Required Radiologic Technology Courses (see page 118)		57
TOTAL		64

Additional Requirements:

Computer literacy course or challenge with a grade of C or better. CIS M17 recommended (1 unit).

Associate in Science Degrees for Career

Entry Nursing Science -- Radiologic Technology

Application Procedure

Academic Year 1999-2000

This application period is for *all* applicants, including request for Advanced Placement. The application period for receipt by the Nursing/Radiography counselors of all applicant information and transcripts is:

Nursing

September 1 - October 15 — Spring and Fall admission

Radiography

February 1 - March 15 — Summer session admission

Advanced Placement

September 1 - October 15 and Feb 1 - March 15.

Qualifying Requirements

Before the applicant will be considered for admission, all qualifying requirements must be completed with official high school and college transcripts on file in the Counseling Office at Moorpark College. It is the applicant's responsibility to verify with the transcript clerk in the Admissions Office that official transcripts are on file at Moorpark College prior to scheduling an application counseling interview.

1. The following *must be completed before* submission of the application: High school graduation or General Education Development (GED) with a score of 45 or successfully pass the California High School Proficiency Exam. (CHSPE)

2. College GPA of 2.5

3. **MATH M01 - Elementary Algebra**

Qualify for MATH M03 - Intermediate Algebra or complete MATH M01 Elementary Algebra or equivalent college course with a minimum grade of C.

4. English: Completion of ENGL M02 - Intro to College Writing or equivalent readiness measured by the assessment process.

5. Additional Nursing Science prerequisite qualifying requirements:

ANAT M01 and PHSO M01 or ANPH M01/M01L or equivalent. Completion of a minimum 5-unit college Anatomy and Physiology course with a laboratory and a minimum grade of C.

CHEM M12 or equivalent. High school chemistry with minimum grade of C or complete a minimum 4-unit college chemistry course with a laboratory and a minimum grade of C.

MICRO M01 or equivalent. Completion of a minimum 4-unit college Bacteriology/Microbiology course with a laboratory and a minimum grade of C.

Medical Terminology - Although *not a requirement*, a course in Medical Terminology is highly recommended.

HS M16 or equivalent. Completion of a minimum of a 1-unit clinical skills course with a laboratory and a minimum grade of C.

6. Additional **Radiologic Technology** prerequisite qualifying requirements:

ANAT M01 and PHSO M01 or ANPH M01/M01L or equivalent. Completion of a minimum 5-unit college Anatomy and Physiology course with a laboratory and a minimum grade of C.

HS M16 or equivalent. Completion of a minimum of a 1-unit clinical skills course with a laboratory and a minimum grade of C.

HS M19A or M19B- Medical Terminology. Completion of a minimum 3-unit college Medical Terminology course with a minimum grade of C. **PHSC M01/M01L or PHYS M05/M05L or PHYS M10A/M10AL and M10B/M10BL or equivalent.** Completion of a minimum 5-unit college Radiation Physics course with a laboratory and a minimum grade of C. *Please note:* PHYS M10A/M10AL and M10B/M10BL are required for transfer to California State University Northridge's Radiography Program.

7. Performance Standards.

In compliance with the 1990 American with Disabilities Act, the Health Sciences does not discriminate against qualified applicants with disabilities. These performance standards, reflected in specific course/program objectives, are to assist each applicant in determining eligibility and the need for accommodations or modifications. The Faculty in conjunction with the community clinical facilities will determine, on an individual basis, whether the necessary accommodations or modifications can reasonably be made.

- a. **Critical Thinking** - ability sufficient for safe clinical judgment: calculating, reasoning, analyzing, prioritizing, synthesizing data. Examples: Identify cause-effect relationships in clinical situations, develop care plans.
- b. **Interpersonal** - abilities sufficient to interact with individuals, families, and groups with diverse social, emotional, cultural, and intellectual backgrounds: function effectively under stress. Example: Establish rapport with diverse clients and colleagues.
- c. **Communication** - abilities sufficient for effective verbal and written interactions. Examples: Explain diagnostic/treatment procedures, health teaching, document and interpret actions and client responses.
- d. **Mobility** - physical abilities sufficient to move from room to room and maneuver in small spaces and reach overhead equipment. Examples: Move around client's rooms, equipment/machines, workspaces, and diagnostic/treatment areas: administer Emergency/CPR procedures.
- e. **Motor Skills** - gross and fine motor abilities sufficient to provide safe and effective care. Examples: Calibrate, move and use equipment/machines: lift, position and transfer clients.
- f. **Hearing** - ability sufficient to monitor and assess health needs. Examples: Hear monitor alarm, emergency signals, auscultatory sounds, cries for help.
- g. **Visual** - ability sufficient for observation and visual assessment in well lit and dimly lit areas. Examples: Observe patient/client responses and changes in condition.
- h. **Tactile** - ability sufficient for physical assessment and positioning. Examples: Perform palpation, functions of physical examination and/or those related to intervention, e.g., insertion of needle, positioning.

All interested applicants should contact the Counseling Office for an appointment for a monthly group *Counseling Orientation Seminar*.

Enrollment Process

1. Upon completion of the *Qualifying Requirements* and with all official transcripts on file at Moorpark College, the applicant is to schedule an appointment with a Nursing/Radiography Counselor in order to review transcripts. The applicant is to *arrive thirty minutes* prior to the appointment to receive and *complete* a program *application*.
2. All programs are impacted. Each qualified applicant will be assigned a number by the use of random tables. Once assigned a priority number, *that number will not change*. Each class will be selected on the basis of priority and available openings.
 - a. Each selected applicant must decide either to enter the class or remove his/her name from the eligibility list. Once the applicant's name is removed, the application process must be begun again to be considered for admission.
 - b. Those qualified applicants who are not selected due to limited openings must submit a *Renewal of Application* during the application period in order to be retained on the waiting list.

- c. There will be ten alternates selected for each admission class to serve on standby for admission until the end of the first week of class. If not admitted, these alternates will be first admissions into the next class.
- 3. The Health Science Department will contact applicants regarding acceptance/admission.
- 4. Admission may be denied to an applicant who has failed or withdrew failing from a program and whose overall record makes program completion unlikely (example: two program withdrawals); or who has health and/or safety deficits which place clients at risk.

Enrollment Requirements

After students have been selected by the above procedure, the following requirements must be met prior to the clinical lab experience:

- a. A *Physical Exam* documented on the Moorpark College Nursing and Radiography Health Appraisal form available in the Student Handbook, which considers freedom from communicable diseases and ability to function in a hospital setting.
 - i. *Proof of Immunity to Rubeola, Mumps, Rubella, Hepatitis B, Varicella*
 - ii. Current immunity status *VDRL*.

Evidence of physical and emotional fitness upon admission and throughout each program is expected and is subject to medical opinion of the college physician and to medical opinion or policy of hospitals or agencies used as sites.

- b. *Current Cardiopulmonary Resuscitation C* certification, renewable every two years either *HS M18* or Red Cross Certificate: *CPR-C*.
- c. *Malpractice Insurance*. Paid as part of the first and third semester course registration fees.

For more information concerning these three admission requirements, refer to the *Health Science Nursing* or *Radiography Student Handbooks* available in the Moorpark College Bookstore.

Program Requirements

All students admitted to a Health Science program are expected to maintain the highest personal and ethical standards of conduct consistent with professional standards as perceived by the faculty and professional personnel in the agencies used as extended campus sites. Any information indicating that such standards are not maintained is subject to review by members of the faculty that may recommend to the college dismissal from the program.

The conviction of a felony may prohibit licensure as a Health Care professional. Each case is reviewed and determined by the appropriate California Licensing Board. The Board considers the nature and severity of the offense, subsequent acts or crimes, compliance with the sanctions and evidence of rehabilitation.

Some courses are taken on campus concurrently with supervised clinical laboratory experience in selected hospitals and health care agencies. The clinical sites extend from northern Ventura County to northwestern portions of the San Fernando Valley, within an approximate 40-mile radius from Moorpark College. Each student is responsible for his or her own transportation. For successful completion of a Health Sciences program, a minimum grade of C is necessary in all courses required for the major. The student must maintain an overall GPA of 2.0 to continue in a Health Sciences program.

A materials fee is mandatory at registration for many of the Nursing and Radiography courses. The materials fees range from \$8.00 to \$105.00.

Advanced Placement

Opportunities for advanced placement are available to: Licensed Vocational Nurses, Limited Permit X-Ray Technicians, others with Health Care credentials and transfer students from accredited colleges or pro-

grams and readmission applicants, based on space available. Limited Permit X-Ray Technicians may be admitted to Advanced Placement Level I Spring semester after passing the RADT M01B Challenge Exam or successful completion of RADT M01B fall semester. For others, there are several options available depending on the qualifications and needs of the applicant. Please review the Credit by Examination Policy discussed in the Academic Policies section of this catalog.

Advanced placement applicants will have access to open spaces *with priority given to former Moorpark College Health Science students in good standing*. Credit for courses taken at another institution will be evaluated on an individual basis. *Advanced placement applicant students are not accepted or readmitted into the last semester of a Health Science program.*

Continuing Education

Graduate nurses lacking California licensure requirements may be admitted into the open spaces to complete any needed courses as specified by the California Board of Registered Nursing.

Moorpark College has been approved by the Board of Registered Nursing as a *Continuing Education Provider (number 02811)*.

The Board of Registered Nursing recognizes academic courses for continuing education credit with "...one (1) academic semester unit equaling fifteen (15) continuing education hours. The course content must be relevant to the practice of nursing and related to the scientific knowledge or technical skills required for the practice of nursing or be related to direct and/or indirect patient/client care...at a level above that which is required for licensure." Examples of such courses offered at Moorpark College are: ANTH M01, M02; CD M40; Foreign Languages; HS M15; NS M22A/B, M89A-Z; NT S M01, M03, M04, M05; PSY M03, M04, M05, M08, M09, M10, M11, M30; SOC M02, M04, M05; SPED M10A, M10B, M10C. Courses may be taken for credit/no credit or a letter grade, and a *grade slip or transcript documents proof of attendance*. If there is any question of approval, *it is the individual's responsibility to contact the Board of Registered Nursing*.

After completion of 12 units in residence at Moorpark College, students who hold a current California license as a Registered Nurse or a Radiologic Technologist and are presently enrolled and in good standing at Moorpark College may petition through the Nursing/Radiography Counselor for units of credit through the appropriate Nursing/Radiography program applicable toward an A.S. degree.

Health Information Technology Degree

Associate in Science Degree

Health Information Technology (HIT) is a regional program jointly offered by Moorpark College and Santa Barbara City College throughout the Tri-Counties and Antelope Valley. Pending accreditation review by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in cooperation with the Council on Accreditation of the American Health Information Management Association (AHIMA), graduates will be eligible to apply for writing the national qualifying exam for certification as an Accredited Record Technician (ART).

Distance Learning

Courses in the Health Information Technology (HIT) program are offered through distance learning. Rather than attend a class at set times each week, students meet as a small group near the community college on a weekly basis at mutually convenient times/locations for the majority of group members. A student facilitator, selected by the group, will lead/moderate discussion sessions, where course content, exercises and assignments will be discussed. For those students who have computer/internet access, bulletin boards, chatrooms and faculty office hours are available online.

Qualifying Requirements

Qualify for MATH M03 (Intermediate Algebra) or complete MATH M01 (Elementary Algebra); Complete ENGL M02 (Intro to College Writing) or demonstrate equivalent readiness measured by the assessment process.

Enrollment Process

To begin the Health Information Technology Program, enroll in the HIT 100 Health Information Management course and attend one of the mandatory orientation sessions. To assist students with registration and to provide information on the courses, three mandatory sessions are offered each fall semester at three sites in the Region. Attendance at a mandatory session is required for admission into the HIT Program. To make a counseling appointment at Moorpark College, call (805) 378-1428.

Credit/Graduation

Upon completion of the HIT Program requirements and the institution's general education graduation requirements, students have the option of graduating with an Associate of Science Degree from either Antelope Valley, Cuesta, Moorpark, Oxnard, Santa Barbara or Ventura Colleges.

Financial Aid

Financial aid collaboration agreements have been made between all the Community Colleges in the Tri-Counties Region and Antelope Valley College. Students may meet financial aid eligibility requirements by combining the units taken at the participating colleges.

The course work required for the Associate of Science Degree in Health Information Technology at Moorpark College is as follows:

Required General Education Courses:	Units
ENGL M01A English Composition	3
*HS M17 Health Care Ethics	3
(*meets Humanities GE requirement)	
Additional Required Courses:	
ANPH M01 Intro to Human Anatomy & Physiology (no lab) ...	3
BUS M31 Intro to Management	3
CIS M16 Intro to Information Systems	3
Required Health Information Technology (HIT) and Health Science (HS) Courses:	Units
<i>These distance learning courses are offered through Moorpark College (HS courses) and Santa Barbara City College (HIT courses).</i>	
HS M17 Health Care Ethics	3
HS M19 Medical Terminology	3
HS M21 Intro to US Health Care Delivery Systems	3
HS M23 Pharmacology for Allied Health	2
HS M25 Basic Pathophysiology	3
HIT 100 Intro to Health Information Management	3
HIT 200 Clinical Classification Systems: ICD-9-CM	3
HIT 210 Clinical Classification Systems: CPT Procedural Coding	2
HIT 220 Statistical Applications in Health Care	2
HIT 230 Alternative Delivery Systems	2
HIT 240 Clinical Quality Assessment and Improvement	2
HIT 250 Data Quality and Reimbursement Methodologies	3
HIT 275 Professional Directed Practice	3
Health Information Technology Course Sequence:	
<u>First Semester</u>	
HIT 100	3
HS M21	3
ANPH M01	3
CIS 16	3
Total	12

Third Semester

HS M23	2
HS M25	3
HIT 200	3
HIT 240	2
Total	10

Second Semester

ENGL M01A	3
HS M19	3
HIT 220	3
HIT 230	2
Total	11

Fourth Semester

BUS M31	3
HS M17	3
HIT 210	2
HIT 250	3
HIT 275	3
Total	14

The HIT course sequence does not include remaining general education courses. A part-time progression is possible taking general education courses separate from the HIT courses. For more information concerning admissions, program requirements and the curriculum, contact HSI Counselors or the HIT Program Office at (805) 965-0581, ext. 2851.

■ Nursing Science Degree

Associate in Science Degree

The Associate Degree in Nursing (ADN) is intended to develop the necessary knowledge and skill basic to the functions of registered nurses in the direct care of patients.

The nursing program is accredited by the *California State Board of Registered Nursing* and by the *National League of Nursing*.

The course work required for the Associate in Science Degree in Nursing Science is as follows:

Preparation for the Nursing Major:	Units
ANPH M01/M01L .. Intro to Human Anatomy/Physiology/Lab:	5
3 hrs Lec., 6 hrs Lab. (prerequisite: BIOL M01 or equivalent college course)	
<i>or</i>	
ANAT M01 General Human Anatomy: 2 hrs Lec, 6 hrs Lab. ...	4
(prerequisite: BIOL M01 or BIOL M02A or equivalent)	
<i>and</i>	
PHSO M01 Human Physiology: 4 hrs Lec., 3 hrs Lab.	5
(prerequisites: CHEM M12 or equivalent or high school chemistry and BIOL M01 or BIOL M02A or equivalent)	
MICR M01 Principles of Microbiology: 3 hrs Lec.,	5
6 hrs Lab. (prerequisites: CHEM M12 or equivalent or high school chemistry and a satisfactory grade in BIOL M01 or BIOL M02A or equivalent)	

Required General Education Courses:

The remaining required courses may be taken anytime *prior to the last semester of the ADN program*, but it is recommended that as many of these be completed as possible *prior to entry*.

ENGL M01A English Composition	3
PSY M01A Intro to Psychology	3
SPCH M01 Intro to Speech	3

Select one (1) of the following courses:

ANTH M02	Cultural Anthropology	3
SOC M01	Intro to Sociology	3
HS M107	Health Care Ethics	3

Choose one course from each category.

American History and Institutions	3
Fine or Performing Arts	3
Physical Education	1-3
Physical Science	4
(CHEM M12 or PHYS M05 meets the requirement)	
Biological Science	4
(BIOL V01 or BIOL V02A or ANPH V01/V01L from Ventura College meets this requirement)	

Other suggested (not required) relevant courses:

Computer Literacy course; HS M15, M18, M19A/B, M20; NT S M01, M05; PHYS M01, PSY M01B, M03, M07, M11, M30

See Degree Requirements and Transfer Information section for General Education requirements.

Consult with a Health Science Counselor if you are considering transferring to a Bachelor's Degree in Nursing program to assist with course selections.

Required Nursing Science Courses:

	Units	
NS M01A/M01AL	Beginning Nursing Science I/Beginning Clinical Nursing Lab I	2/2
NS M01B/M01BL	Beginning Nursing Science II/Beginning Clinical Nursing Lab II	2/2
NS M02A/M02AL	Maternal Child and Gynecological Nursing/Clinical Nursing Lab	2.5/2.5
NS M02B/M02BL	Intermediate Nursing Science I/Intermediate Clinical Nursing Lab I	2.5/2
NS M03A/M03AL	Intermediate Nursing Science II/Intermediate Clinical Nursing Lab II	2.5/2.5
NS M03B/M03BL	Psychiatric/Gerontological/Community Nursing/Clinical Nursing Lab	2.5/2.5
NS M04A/M04AL	Advanced Nursing Science/Advanced Clinical Nursing Lab	2.5/2.5
NS M04B	Preparation for Professional Practice - Preceptorship	4
Total	36.5	

Nursing Science Course Sequence:

First Semester

HS M15*	3
HS M18*	0.5
(or Red Cross Certificate CPR-C)	

NS M01A/M01AL	4
NS M01B/M01BL	4
NS M11A*	0.5
NS M11B*	0.5
Total	12.5

Third Semester

NS M03A/M03AL	5
NS M03B/M03BL	5
NS M13A*	0.5
NS M13B*	0.5
Total	11

Second Semester

NS M02A/M02AL	5
NS M02B/M02BL	4.5
NS M12A*	0.5
NS M12B*	0.5
NS M22A*	1-3
Total	11.5

Summer Session

NS M49*	4
Total	4

Fourth Semester

NS M04A/M04AL	5
NS M04B	4
NS M14A*	0.5
NS M22A*	2-3
Total	11.5

**Elective Nursing Science Courses*

This sequence does not include the required science and general education classes

■ Radiologic Technology Degree

Associate in Science Degree

The Associate Degree in Radiologic Technology (ADRT) is intended to develop the necessary knowledge and skill basic to the functions of the Radiographer in performing diagnostic x-ray procedures in hospital or other health care settings.

The radiography program is accredited by the Joint Review Committee on Education in Radiologic Technology, and by the California Department of Health. Radiography students must complete (or be enrolled in) all general education and required Radiologic Technology courses to be eligible to take the California and National Licensing Exams administered during the last semester of the program.

The course work required for the Associate in Science Degree in Radiologic Technology is as follows:

Preparation for the Radiography Major:

	Units	
ANPH M01/M01L ..	Intro to Human Anatomy/Physiology/Lab:	5
	3 hrs Lec., 6 hrs Lab. (prerequisite: BIOL M1 or equivalent college course)	
	<i>or</i>	
ANAT M01	General Human Anatomy: 2 hrs Lec., 6 hrs Lab. ..	4
	(prerequisite: BIOL M1 or BIOL M2A or equivalent)	
	<i>and</i>	
PHSO M01	Human Physiology: 4 hrs Lec., 3 hrs Lab.	5
	(prerequisites: CHEM M12 or equivalent or high school chemistry and BIOL M1 or BIOL M2A or equivalent)	
PHYS M05/M05L ..	Radiation Physics/Lab: 3 hrs Lec., 3 hrs Lab.	4
	(prerequisite: MATH M1 or equivalent)	
	<i>or</i>	
PHYS M10A/M10AL <i>and</i>		
PHYS M10B/M10BL ..	General Physics/Lab I and II: 4 hrs Lec.,	10
	3 hrs Lab each. (prerequisite: MATH M4A or MATH M6 or MATH M7 or equivalent college course, or equivalent skills that may be measured by the college assessment process)	

These courses are required for transfer to California State University Northridge's Bachelor's in Radiologic Technology:

HS M19A	Medical Terminology: 3 hrs Lec.	3
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Required General Education Courses:

Due to the number of units required in this program, it is recommended that as many of these courses be completed as possible *prior* to entry.

ENGL M01A English Composition 3

Choose one course from each category.

- Biological Science 4
(BIOL V02A or ANPH V01/01L from Ventura College meets this requirement)
- American History and Institutions 3
- Social and Behavioral Science 3
(PSY M01A is recommended)
- Fine or Performing Arts 3
- Humanities (SPCH M01 is recommended) 3
- Communication or Analytical Thinking 3
(PHIL M07, PHIL M09 or SPCH M07 is recommended)
- Physical Education 1-3
- Computer Literacy Course 1
(CIS M15 is recommended)

See Degree Requirements and Transfer Information section for General Education requirements.

Required Radiologic Technology Courses: Units

- RADT M01A/M01AL .. Fundamentals of Radiographic Practice I/ Fundamentals Clinical Lab I 3/5
- RADT M01B Principles of Radiation Interaction and Radiographic Technique I 3
- RADT M02A/M02AL .. Fundamentals of Radiographic Practice II/ Fundamentals Clinical Lab II 3/5
- RADT M02B Principles of Radiation Protection, Radiobiology/Radiographic Technique II 3
- RADT M03A/M03AL .. Intermediate Radiographic Practice/ Intermediate Clinical Lab 2/8
- RADT M03B Radiographic Pathology 3
- RADT M04A/M04AL .. Advanced Radiographic Practice/Advanced Clinical Laboratory 3/8
- RADT M10/M10L Intro to Radiologic Technology/Intro to Radiologic Technology Skills Lab 1.5/1
- RADT M11 Radiography Skills Lab I 1
- RADT M12 Radiologic Technology Skills Lab II 1
- RADT M13 Radiography Skills Lab III 1
- RADT M14 Radiographic Film Critique Skills Lab 1
- RADT M49 Radiographic Summer Practicum 4.5
- Total** **57.0**

Radiologic Technology Course Sequence*:

All students must begin program Summer Session.

Summer Session #1

- HS M18 0.5
(or Red Cross Certificate CPR-C)
- RADT M10/M10L 1.5/1
- Total** **3**

Summer Session #2

- RADT M49 4.5
- Total** **4.5**

Fall Semester #1

- RADT M01A/M01AL 3/5
- RADT M01B 3
- RADT M11 1
- Total** **12**

Spring Semester #1

- RADT M02A/M02AL 3/5
- RADT M02B 3
- RADT M12 1
- Total** **12**

Fall Semester #2

- RADT M03A/M03AL 2/8
- RADT M03B 3
- RADT M13 1
- Total** **14**

Spring Semester #2

- RADT M04A/M04AL 3/8
- RADT M14 1
- Total** **12**

*This sequence does not include the required science and general education courses.

Health Science Courses

HS M15 -- 3 Units

Pharmacology

Prerequisite: None

Class Hours: 3 lecture

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces mechanisms and uses of currently available drugs, establishing foundation for understanding future developments in drug therapy and for administering drugs more efficiently and safely. Applies drug information and mathematical calculations in clinical setting. The course may be repeated to monitor constantly changing pharmaceutical approaches and resultant practical implications. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

HS M16A -- 1 Unit

Basic Skills for the Health Care Provider

Prerequisite: None

Class Hours: 1 lecture, 6 lab for 6 weeks

Introduces basic client care skills for entering a career in Health Care Industry or for providing home care. Focuses on principles/practices of safe and effective care in evolving multicultural environment. Integrates communication, caring, safety, documentation, ethics, and legal accountability with effective client care. May be taken two (2) times for credit. *Applies to Associate Degree.*

HS M16B -- 3 Units

Certified Nurse Assistant

Prerequisites: Current Cardiopulmonary Resuscitation C Certification or HS M18 and HS M16A; Recent health examination including medical history and physical examination; PPD skin test or chest x-ray; written medical verification of absence of potentially harmful health condition. Class Hours: 5 lecture for 10 weeks, 13 lab for 9 weeks

Prepares students for certification by the State of California as an entry-level, health-care team member, focusing on responsibilities of the Certified Nurse Assistant set forth in Title 22: California Code of Regulations, Division 5, Chapter 2.5. Reviews professionalism; ethics; confidentiality; communication and interpersonal skills; infection control; safety and emergency procedures; body mechanics; medical and surgical asepsis; weights and measurements; and basic patient care skills and procedures. *Applies to Associate Degree.*

HS 14 -
SPAN for Health
Care Prof. -
AA only

A.A
only

new →
new →
new →
119

HS M16BL - 2 units

CNA Clin

HS M16C - Home Health Aide

HS M16CL " " " Clinical Lab

HS M17 — 3 Units**Health Care Ethics**

Prerequisite: None

Class Hours: 3 lecture

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Explores bioethical health care issues and implications from societal, institutional, individual and clinical perspectives. Provides legal foundation for analyzing and resolving ethical problems, reviewing bioethic theories and principles, legal liability, confidentiality, ethical conflict, and moral dilemmas. (Same course as PHIL M17). *Applies to Associate Degree. Transfer credit: CSU; ~~is pending no~~*

HS M18 -- 0.5 Unit**CPR-C for Health Science**Prerequisite: Admission to Health Science Program or a health care professional

Class Hours: 8 lecture total

Provides basic Cardiopulmonary Resuscitation techniques of single person, two person, child and infant resuscitation. Covers basic techniques to relieve obstructed airway in adult, child and infant; standards required by hospitals related to emergency resuscitation procedures; and orientation to crash cart medications and protocol. Only offered credit/no-credit. May be taken four (4) times for credit. *Fulfills general education health requirement for the A.S. degree in nursing and radiologic technology. Applies to Associate Degree.*

HS M19 -- 3 Units**Medical Terminology**Prerequisite: Anatomy and/or Physiology

Class Hours: 3 lecture

Introduces medical terminology and anatomical systems, using documented health care case studies and reports. Reviews extensive application exercises. *Applies to Associate Degree. Transfer credit: CSU*

HS M20 -- 2 Units**Introduction to Health Science**

Prerequisite: None

Class Hours: 2 lecture

Reviews current status of health care industry and employment opportunities, emphasizing strategies for success as well as preparation, admission and completion of a Health Science education. Includes individual assessment of aptitude and career interest. *Applies to Associate Degree. Transfer credit: CSU*

HS M21 — 3 Units**Introduction to the U.S. Health Care System**

Prerequisite: None

Class Hours: 3 lecture

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Introduces U.S. Health Care System, clarifying system structure; legislative and regulatory influences applicable to American federal, state and local government and politics; public policy process; economic theory; marketing theory; alternative health care delivery; social and health care culture; and the evolution of integrated delivery systems and managed care. Emphasizes society's response to health care needs, fostering awareness of responsibility to preserve and improve health care of society. *Applies to Associate Degree. Transfer credit: CSU; ~~is pending no~~*

HS M23 — 2 Units**Pharmacology for Allied Health**

Prerequisite: None

Class Hours: 2 lecture

Introduces basic pharmacological terminology and concepts, drug categories and uses, mechanisms of drug action, dosage forms, routes of administration, and common generic and trade name medications. *Applies to Associate Degree. Transfer credit: CSU*

HS M24 — 5 Units**Emergency Medical Technician I**Prerequisites: Current certification as Basic Life Support provider and HS M19 or Medical Terminology course.

Class Hours: 4 lecture, 3 lab, plus 16 hours as arranged

Introduces pre-hospital basic life support procedures at an emergency site, during transport of the sick and injured, or during interfacility transfer. Reviews anatomy, physiology, patient assessment, and emergency care of patients of all ages, emphasizing pre-hospital phase. Includes skills training and clinical experiences in emergency room and on emergency vehicle. Successful course completion provides eligibility for state certification examination for EMT-1, if all other state and age requirements met at time of exam. *Applies to Associate Degree.*

HS M25 — 3 Units**Basic Pathophysiology**Prerequisites: ANPH M01/M01L or ANAT M01 and PHSO M01 and High School Chemistry or CHEM M12 or CHEM M01A

Class Hours: 3 lecture

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Introduces fundamentals of pathophysiology, focusing on physiologic changes and altered functions resulting from disease processes. Reviews principles from anatomy, physiology, and chemistry as foundation for study of basic disease process concepts, body systems, etiology, and pathogenesis of various disorders. Explores diagnostic procedures, preventative measures, and current therapeutic regimens. *Applies to Associate Degree. Transfer credit: CSU.*

HS M80 -- 1 to 4 Units**Internship in Health Sciences**Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Extends classroom activities to a supervised, on the job learning experience directly connected to educational and/or occupational goals. Provides direct supervision of a health science faculty supervisor as well as a health care industry supervisor. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. Health Science Internships are available in the following health care settings: acute care, community health and ambulatory care. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

Nursing Science Courses

NS M01A -- 2 Units

Beginning Nursing Science I

Prerequisite: Admission to Moorpark College ADN Program

Corequisite: NS M1AL

Class Hours: 4 lecture for 8 weeks

Reviews basic nursing skills and principles, emphasizing cultural diversity awareness as well as growth and development concepts. Introduces client assessment, diagnosis, and intervention and evaluation, including identification of client's universal self-care requisites: air, water, food, elimination and activity as well as social, safety and normalcy patterns. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M01AL -- 2 Units

Beginning Clinical Nursing Laboratory I

Prerequisite: Admission to Moorpark College ADN Program

Corequisite: NS M01A

Class Hours: 12 clinical for 8 weeks

Provides hands-on application of basic nursing skills and principles in the care of geriatric clients. Requires two clinical days per week. First clinical day learning nursing skills in lab; second day applying skills in extended care facility. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M01B -- 2 Units

Beginning Nursing Science II

Prerequisite: NS M01A

Corequisite: NS M01BL

Class Hours: 4 lecture for 8 weeks

Reviews turning nursing process into practice, emphasizing assessment of self-care demands/deficits, determination of nursing diagnosis, and delivery of intervention based on beginning nursing skills. Reviews acting, teaching, guiding and supporting with follow-up evaluation. Introduces medication administration. Integrates nutrition, pharmacology, and legal/ethical and bio-psycho-social-spiritual concerns with preventive, supportive, rehabilitative nursing. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M01BL -- 2 Units

Beginning Clinical Nursing Laboratory II

Prerequisite: NS M01AL

Corequisite: NS M01B

Class Hours: 12 clinical for 8 weeks

Allows application of more complex clinical nursing concepts and skills in lab environment. Requires two clinical days per week in an acute care facility, focusing on care throughout the life cycle. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M02A -- 2.5 Units

Maternal Child and Gynecological Nursing

Prerequisites: NS M01A/M01AL and NS M01B/M01BL

Corequisite: NS M02AL

Class Hours: 5 lecture for 8 weeks

Introduces childbearing, emphasizing pregnancy/complications, fetal development, labor and delivery, postpartum and newborn periods, pediatrics and women's health. Involves identification of requisite and self-care deficits including health deviations related to women, infants and children as well as the planning, implementing, and evaluation of nursing actions. Uses concepts from Orem's model. Integrates nutrition, pharmacology, and legal/ethical and bio-psycho-social-spiritual concerns with preventive, supportive, rehabilitative nursing. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M02AL -- 2.5 Units

Maternal Child and Gynecological Clinical Nursing Laboratory

Prerequisites: NS M01A/M01AL and NS M01B/M01BL

Corequisite: NS M02A

Class Hours: 15 clinical for 8 weeks

Provides application of nursing process as well as maternal, child and gynecological concepts and skills to the obstetrical, pediatric and gynecological client in acute care, outpatient and community setting. Lab may be day, evening or combination. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M02B -- 2.5 Units

Intermediate Nursing Science I

Prerequisites: NS M01A/M01AL and NS M01B/M01BL

Corequisite: NS M02BL

Class Hours: 5 lecture for 8 weeks

Expands concept of self-care and utilization of the nursing process, focusing on interactions of self-care agency, nursing agency and health care team members to meet the client's self-care demands. Studies selected adult-elder/pediatric self-care deficits requiring intermediate nursing actions related to health promotion and deviations, including musculoskeletal, hematologic, gastrointestinal, fluid/electrolyte, renal, cardiovascular, respiratory, and diabetes. Also studies diagnostic measures, medical therapeutic modalities, pharmacology and medication administration as well as nutrition and cultural, spiritual and mental health concerns. Emphasizes critical thinking and decision-making skills, legal and ethical considerations, and growth and development related to client's therapeutic self-care demands. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M02BL -- 2 Units

Intermediate Clinical Nursing Laboratory I

Prerequisites: NS M01A/M01AL and NS M01B/M01BL

Corequisite: NS M02B

Class Hours: 12 clinical for 8 weeks

Provides application of intermediate concepts and skills in acute and ambulatory care facilities. Requires two six-hour clinical rotations. Lab may be day, evening or combination. Offers clinical rotations in specialty areas, including surgical department, gastrointestinal laboratory, and emergency department. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M03A -- 2.5 Units

Intermediate Nursing Science II

Prerequisites: NS M02A/M02AL and NS M02B/M02BL

Corequisite: NS M03AL

Class Hours: 5 lecture for 8 weeks

Emphasizes self-care concept of nursing and the interaction of nursing agency and self-care agency to meet client's self-care demands. Focuses on selected adult/geriatric and pediatric clients with health deviations and self-care deficits related to advanced nutritional or sensorimotor alterations, physical integrity, and human functioning. Incorporates diagnostic measures, medical therapeutic modalities, and pharmacology and medication administration as well as nutrition and cultural, spiritual and mental health concerns. Explores the role of the professional nurse in health care delivery, reviewing client education and ethical considerations. Develops critical thinking and problem-solving skills, emphasizing patient care management. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M03AL -- 2.5 Units**Intermediate Nursing Science Laboratory II**Prerequisites: NS M02A/M02AL and NS M02B/M02BL

Corequisite: NS M03A

Class Hours: 15 clinical for 8 weeks

Provides application of nursing process and intermediate concepts and skills in an acute care facility. Applies critical thinking and problem-solving skills and refines communication and interpersonal relationship skills. Focuses on patient care management. Requires two 7.5-hour clinical rotations. Labs may be day, evening or combination. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M03B -- 2.5 Units**Psychiatric/Gerontological/Community Nursing**Prerequisites: NS M02A/M02AL and NS M02B/M02BL

Corequisite: NS M03BL

Class Hours: 5 lecture for 8 weeks

Focuses on applying nursing process to the client, community, family and groups with psycho-social self-care deficits across the adult-elder life span. Emphasizes chronic mental and physical deficits impacting the adult-elder population as well as responses to these deficits, including intervention modes: wholly compensatory, partially compensatory, and educative/supportive. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M03BL -- 2.5 Units**Psychiatric/Gerontological/Community Clinical Nursing Laboratory**Prerequisites: NS M02A/M02AL and NS M02B/M02BL

Corequisite: NS M03B

Class Hours: 15 clinical for 8 weeks

Provides application of nursing concepts and skills to adult psychiatric and gerontological clients in acute care, community health and convalescent care facilities. Includes day and evening clinical rotations. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M04A -- 2.5 Units**Advanced Nursing Science**Prerequisites: NS M03A/M03AL and NS M03B/M03BL

Corequisite: NS M04AL

Class Hours: 5 lecture for 8 weeks

Focuses on complex health deviations involving multiple systems within family context. Utilizes holistic approach to client's health functions (organic, psychological, and social) throughout the life cycle, emphasizing compensatory, partially compensatory, and educative-supportive responses. Emphasizes professional judgment, critical thinking, decision-making, leadership, collaboration, and teaching. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M04AL -- 2.5 Units**Advanced Clinical Nursing Laboratory**Prerequisites: NS M03A/M03AL and NS M03B/M03BL

Corequisite: NS M04A

Class Hours: 15 clinical for 8 weeks

Provides application of advanced nursing concepts and skills in acute care facility, providing intensive care and other specialty experience. Requires two 7.5-hour clinical rotations. Labs may be days, evenings, or combination. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M04B -- ^{1.5}4 Units**Preparation for Professional Practice - Preceptorship**

Prerequisites: NS M04A/M04AL

Class Hours: 24 lecture, 120 clinical total

Presents principles of total patient care, leadership and professionalism to ease the transition from student to staff nurse. Focuses on legal and ethical issues, professional organizations, reality shock and current issues confronting nurses. Provides participation as a nursing team leader and/or primary nurse in acute care facility in relationship with a Registered Nurse. *Fulfills the General Education health requirement for A.S. degree in nursing. Applies to Associate Degree. Transfer credit: CSU*

NS M11A -- 0.5 Unit**Nursing Skills Laboratory**

Prerequisite: None

Class Hours: 3 lab as arranged for 8 weeks

Provides application of theory from NS M01A through simulated clinical experience, computer-assisted instruction, audio-visual aids, case study discussions, and individualized instruction. Open-lab structure allows individually arranged lab hours. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M11B -- 0.5 Unit**Nursing Skills Laboratory**

Prerequisite: None

Class Hours: 3 lab as arranged for 8 weeks

Provides application of theory from NS M01B through simulated clinical experience, computer-assisted instruction, audio-visual aids, case study discussions, and individualized instruction. Open-lab structure allows individually arranged lab hours. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M12A -- 0.5 Unit**Nursing Skills Laboratory**

Prerequisite: None

Class Hours: 3 lab as arranged for 8 weeks

Provides application of theory from NS M02A through simulated clinical experience, computer-assisted instruction, audio-visual aids, case study discussions, and individualized instruction. Open-lab structure allows individually arranged lab hours. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M12B -- 0.5 Unit**Nursing Skills Laboratory**

Prerequisite: None

Class Hours: 3 lab as arranged for 8 weeks

Provides application of theory from NS M02B through simulated clinical experience, computer-assisted instruction, audio-visual aids, case study discussions, and individualized instruction. Open-lab structure allows individually arranged lab hours. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M13A -- 0.5 Unit**Nursing Skills Laboratory**

Prerequisites: NS M02B/M02BL

Class Hours: 3 lab for 8 weeks

Provides practical application of theory from NS M03A through simulated clinical experiences. Focuses on Intravenous Therapy, including IVPB administration. Includes test taking, critical thinking, and communication skills as well as hands-on exposure to computers. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M13B -- 0.5 Unit**Nursing Skills Laboratory**

Prerequisites: NS M02B/M02BL

Class Hours: 3 lab for 8 weeks

Provides practical application of theory from NS M03B through simulated clinical experiences in a beginning Psychiatric/Gerontological/Community Nursing lab. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M14A -- 0.5 Unit**Nursing Skills Laboratory**

Prerequisite: None

Class Hours: 3 lab as arranged for 8 weeks

Provides application of theory from NS M04A through simulated clinical experience, computer-assisted instruction, audio-visual aids, case study discussions, and individualized instruction. Open-lab structure allows individually arranged lab hours. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

NS M22A/B -- 0.5 to 3 Units Each**Independent Studies in Nursing**

Prerequisite: A previous course in Nursing Science

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of nursing through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

NS M49 -- 4 Units**Nursing Practicum**

Prerequisites: Successful completion of second semester of accredited Nursing Program; meeting all hospital requirements; written verification of skills proficiency

Class Hours: 40 work experience hours for 8 weeks

Eight-week Summer Intersession course. Provides intermediate nursing student a paid practicum cooperatively planned by employing agency and nursing faculty. Focuses on realistic work experience in concentrated time period. Includes class discussion of issues related to practicum. May be taken two (2) times for credit. Only offered credit/no-credit.

Applies to Associate Degree. Transfer Credit: CSU

NS M50A -- 4 Units**Graduate Nurse Internship I**

Prerequisites: Documented NCLEX completion or RN license; certification of 5 successful IV procedures; current CPR-C and malpractice insurance; meeting all clinical facility requirements

Class Hours: 40 hours per 8 weeks

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Eight week paid internship, cooperatively planned by employing agency and nursing faculty. Interns selected through application process. Provides new graduate supported transition to realistic patient assignment. Offers clinical orientation and review of issues related to work setting, including legal liability, risk management, and physical assessment. Contact Health Sciences Department for more information. *Applies to Associate Degree. Transfer credit: CSU*

2-5

NS M50B -- 4 Units**Graduate Nurse Internship II**

Prerequisites: NS M50A; Documented NCLEX completion or RN license; certification of 5 successful IV procedures; current CPR-C and malpractice insurance; meeting all clinical facility requirements

Class Hours: 40 hours per 8 weeks

Second 8-week paid internship, cooperatively planned by employing agency and nursing faculty. Interns selected through application process. Provides new graduate assistance in leadership role and practice of more complex skills. Offers review of issues related to work setting, emphasizing leadership and management skills, phlebotomy, 12 lead EKG, computer documentation, communication and conflict resolution, health care economics/trends, expanding role of the nurse, clinical pathways/discharge planning, advanced assessment, risk management, sexual harassment, physician relationship, age related assessment, violent behavior in the workplace, and peer review. Contact Health Sciences Department for more information. *Applies to Associate Degree. Transfer credit: CSU*

NS M51 -- 3 units**Home Health Nursing**

Prerequisite: Registered Nurse License

Class Hours: 3 lecture, 72 clinical total lab for 8 weeks

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Assists Registered Nurse to successful transition into Home Health Nursing. Addresses challenges of home care setting through classroom and clinical experiences. Provides Registered Nurse preceptor from selected home health agency as clinical mentor. Clinical days/times arranged between student and preceptor. May be taken two (2) times for credit.

Applies to Associate Degree. Transfer credit: CSU

NS M60A-Z -- 1 to 3 Units Each**Topics in Nursing Science**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *Applies to Associate Degree.*

NS M78 -- 4 Units**Introduction to Operating Room Nursing**

Prerequisites: Registered Nurse (CA license) or NS M02A/M02AL and NS M02B/M02BL

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Class Hours: 6 lecture, 8 lab for 8 weeks

Designed for Registered Nurse and second-year nursing student. Introduces scrub and circulating roles of OR Nurse, focusing on preoperative client. Combines lecture and lab practice through a clinical preceptorship. May be taken two (2) times for credit. Only offered credit/no-credit. *Applies to Associate Degree. Transfer Credit: CSU*

NS M79 -- 4 Units**Intermediate Operating Room Nursing**

Prerequisite: NS M78

Class Hours: 3 lecture, 16 lab for 8 weeks

Provides basic competencies in perioperative nursing in both scrub and circulation roles. Focuses on surgical specialties, including general, gynecology, neurology, orthopedic, urology, and vascular. Includes use of laparoscopy, laser and other complex surgical equipment. Emphasizes preoperative assessment and planning, intraoperative implementation and postoperative evaluation. *Applies to Associate Degree. Transfer Credit: CSU*

NS M89A-Z -- 0.5 to 3 Units Each**Institutes in Nursing Science**

Prerequisites: Admission to ADN Program, Registered Nurse, Licensed Vocational Nurse, Psychiatric Technician

Class Hours: As arranged

Series of special lectures and discussions on selected topics of interest in nursing science. Provided as needed. Only offered credit/ no-credit. *Applies to Associate Degree.*

Radiologic Technology Courses**RADT M01A -- 3 Units****Fundamentals of Radiographic Practice I**

Prerequisites: RADT M10/M10L

Corequisites: RADT M01AL, RADT M01B, RADT M11

Class Hours: 3 lecture

Focuses on routine radiographic positioning and procedures of the cardiopulmonary system, the boney thorax, the abdominal cavity, upper extremities, lower extremities and related joints. Includes radiographic film critique for technical and positioning errors. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M01AL -- 5 Units**Fundamentals Clinical Lab I**

Prerequisites: RADT M10/M10L

Corequisites: RADT M01A, RADT M01B, RADT M11

Class Hours: 16 lab

Provides practical application of radiographic theory and skills in x-ray department of pre-assigned clinical affiliate. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M01B -- 3 Units**Principles of Radiation Interaction and Radiographic Technique I**

Prerequisites: RADT M10/M10L

Corequisites: RADT M01A/M01AL, RADT M11

Class Hours: 3 lecture

Introduces function and manipulation of equipment and technical factors used in the production of x-rays and in imaging systems used within radiology. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M02A -- 3 Units**Fundamentals of Radiographic Practice II**

Prerequisites: RADT M01A/M01AL and RADT M01B

Corequisites: RADT M02AL, RADT M02B, RADT M12

Class Hours: 3 lecture

Focuses on radiographic procedure and positioning information of the complete spinal column as well as the contrast studies of the urinary and gastrointestinal tracts. Includes special attention to invasive vascular procedures of these two tracts as well. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M02AL -- 5 Units**Fundamentals Clinical Lab II**

Prerequisites: RADT M01A/M01AL and RADT M01B

Corequisites: RADT M02A, RADT M02B, RADT M12

Class Hours: 16 lab

Provides practical application theory and skills in x-ray department of pre-assigned clinical affiliate. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M02B -- 3 Units**Principles of Radiation Protection, Radiobiology and Radiographic Technique II**

Prerequisites: RADT M01A/M01AL and RADT M01B

Corequisites: RADT M02A/M02AL, RADT M12

Class Hours: 3 lecture

Introduces basic principles of radiation protection and radiobiology. Includes problem solving, quality assurance, transformers and rectification. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M03A -- 2 Units**Intermediate Radiographic Practice**

Prerequisites: RADT M02A/M02AL, RADT M02B and RADT M49

Corequisites: RADT M03AL, RADT M03B, RADT M13

Class Hours: 2 lecture

Introduces intermediate radiographic positioning, focusing first on detailed radiography of the cranium and facial bone area. Then reviews cerebral angiography, mammography, lymphangiography, and cine/cardi-angiography. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M03AL -- 8 Units**Intermediate Clinical Lab**

Prerequisites: RADT M02A/M02AL, RADT M02B and RADT M49

Corequisites: RADT M03A, RADT M03B and RADT M13

Class Hours: 24 lab

Provides practical application of intermediate theory and skills in x-ray department of pre-assigned clinical affiliate. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M03B -- 3 Units**Radiographic Pathology**

Prerequisites: RADT M02A/M02AL, RADT M02B and RADT M49

Corequisites: RADT M03A/M03AL and RADT M13

Class Hours: 3 lecture

Introduces advanced radiography for various types of disease processes. Incorporates previous clinical experience with new information as base for further clinical practice. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M04A -- 3 Units**Advanced Radiographic Practice**

Prerequisites: RADT M03A/M03AL and RADT M03B

Corequisites: RADT M04AL and RADT M14

Class Hours: 3 lecture

Introduces advanced imaging specializations, including last segment of invasive studies, especially in heart/vascular area. May be taken two (2) times for credit. Fulfills the General Education Health Requirement for A.S. Degree in Radiologic Technology. *Applies to Associate Degree. Transfer credit: CSU*

RADT M04AL -- 8 Units**Advanced Clinical Laboratory**

Prerequisites: RADT M03A/M03AL and RADT M03B

Corequisites: RADT M04A and RADT M14

Class Hours: 24 lab

Introduces advanced clinical practice coordinated with rotation in computer tomography, magnetic resonance, ultrasound and special procedures on an observational basis. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M05 - Cross-sectional Imaging
CSU

RADT M10 -- 1 Unit**Introduction to Radiologic Technology**

Prerequisites: Admission to the Moorpark College Radiography Program, ANPH M01 and PHSO M05/M05L

Corequisite: RADT M10L and HS M16

Class Hours: 6 lecture for 3 weeks

Introduces entry-level information to begin clinical practice to diverse client population in radiography department. Emphasizes radiation protection, equipment manipulation and safety, and darkroom processing. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M10L -- 1.5 Units**Introduction to Radiologic Technology Skills Lab**

Prerequisites: Admission to the Moorpark College Radiography Program; ANPH M01 and PHSO M05/M05L

Corequisite: RADT M10 and HS M16

Class Hours: 4 lab for first 3 weeks, 30 lab for last 2 weeks in Radiology Department

Provides instruction and practice in darkroom procedures, equipment manipulation, basic patient body positions, and radiation protection procedure in campus skills lab. Concludes with 60 hours of clinical practicum orientation in hospital setting during last two weeks. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M11 -- 1 Unit**Radiography Skills Lab I**

Prerequisite: RADT M10

Corequisites: RADT M01A/M01AL and RADT M01B

Class Hours: 3 lab

Provides practical application of theory from RADT M01A through simulated clinical experiences in a radiography skills lab. Includes positioning "mock patient" and making actual radiographs with x-ray phantom. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M12 -- 1 Unit**Radiologic Technology Skills Lab II**

Prerequisite: RADT M11

Corequisites: RADT M02A/M02AL and RADT M02B

Class Hours: 3 lab

Provides practical application of theory from RADT M02A through simulated experiences in a radiography skills lab. Includes positioning "mock patient" and making actual radiographs with x-ray phantom. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M13 -- 1 Unit**Radiography Skills Lab III**

Prerequisite: RADT M12

Corequisites: RADT M03A/M03AL and RADT M03B

Class Hours: 3 lab

Provides practical application of theory from RADT M03A through simulated experiences in a radiography skills lab. Includes positioning "mock patient" and making actual radiographs with x-ray phantom. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M14 -- 1 Unit**Radiographic Film Critique Skills Lab**

Prerequisite: RADT M13

Corequisites: RADT M04A/M04AL

Class Hours: 3 lab

Provides clinical film critique to integrate clinical practice and classroom education. Evaluates technical errors on radiographs and reviews strategies for avoiding future errors. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

RADT M15 -- 1 Unit**Venipuncture for Diagnostic Imaging**

Prerequisite: Certified Radiologic Technologist or RADT M02A

Class Hours: 12 total lecture, 12 total lab for 3 weeks

Provides practice of basic venipuncture techniques in upper extremity for the sole administration of contrast materials. Successfully completing course and then performing 10 venipunctures at clinical site under direct supervision of physician complies with state regulations for earning certification to perform venipuncture. *Applies to Associate Degree.*

RADT M22A/B -- 1 to 3 Units Each**Independent Studies in Radiography**

Prerequisite: A previous course in Radiologic Technology

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of radiologic technology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU*

RADT M49 -- 4.5 Units**Radiographic Practicum**

Prerequisites: RADT M02A/M02AL and RADT M02B

Class Hours: 40 work experience hours for 9 weeks

Nine-week Summer Intersession course. Provides clinical experience in a pre-assigned clinical affiliate. Focuses on improvement of clinical skills. Requires completion of all specified radiographic examinations. Only offered credit/no-credit. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

HEBREW

Study in the Hebrew language provides specialists to work in areas such as anthropology, economics, political science, literature, and sociology. While teaching is the principle area of employment, other careers may be found in interpreting, translating, research, diplomacy, libraries, and the publishing business.

Career Opportunities

Most careers require bachelors or graduate degree.

Translator, Diplomatic Office, Tutor, Editor, Foreign-Exchange Trader, Foreign Clerk, Foreign Service Officer

Dean

Rene Rodriguez, Phone (805) 378-1404

Faculty

Part Time Faculty

Margarit Lish

Counselor

Ofelia Romero-Motlagh

Hebrew Courses

HEB M01 -- 4 Units

Elementary Hebrew I

Prerequisite: None

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Introduces Hebrew language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. *Applies to Associate Degree. Transfer credit: CSU; UC*

HEB M02 -- 4 Units

Elementary Hebrew II

Prerequisite: HEB M01

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Further explores Hebrew language and culture, emphasizing people and history as well as speaking and writing proficiency. *Applies to Associate Degree. Transfer credit: CSU; UC pending.*

HEB M31A -- 3 Units

Beginning Conversational Hebrew

Prerequisite: None

Class Hours: 3 lecture

Emphasizes vocabulary essentials, conversational patterns and pronunciation, including proficiency in practical aspects of using the language (Ulpan). Requires readings on history and customs of modern Israel. May be taken two (2) times for credit. *Applies to Associate Degree.*

HEB M80 -- 1 to 4 Units

Internship in Hebrew

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

HISTORY

History is an evolving record of human emotion, human aspiration, human frustration, and human success. Historians deal with the goals, fears, interests, opinions, and prejudices of people in the past. What made people the way they were? What is the impact of their thought and action on people today and what is their impact on people tomorrow? As a study of people, history offers both a necessary understanding of one's place in the human experience, and the conceptual framework for a lifelong avocation.

Career Opportunities

Most careers require bachelors or graduate degree.

Lobbyist, Historian, Politician, Law Clerk, Diplomat, Publicist, Advertising, Journalist, Editor, Archivist, Program Development, Library Reference Worker, Communication Specialist, Management Trainee, Researcher, Museum Cataloger, Marketing Researcher, Pollster, Writer -- Fiction and Non-Fiction

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Full-Time

Daniel Brown, Nenagh Brown, Cecile Copsey, Gerald Fecht, Joseph Gonzalez, Ranford Hopkins, Tomás Sanchez

Part-Time

Susan Bennion, Scott Cameron, Rene Fraser, Igor Kotler, Bruce Loynd, James Morrison, John Pendleton, Leslie Smithers, Nan Yamane

Counselor

Mike Johnson

History Courses

HIST M01A -- 3 Units

An Introduction to Western Civilization

Prerequisite: None

Class Hours: 3 lecture

Introduces important events and developments in Western civilization from prehistory through the sixteenth century. Focuses on ideas, institutions, and contributions. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: HIST 2; HIST SEQ A (HIST M01A+M01B).*

HIST M01B -- 3 Units

An Introduction to Western Civilization

Prerequisite: None

Class Hours: 3 lecture

Introduces important events and developments in Western civilization from the seventeenth century to modern times. Focuses on ideas and institutions. (HIST M01A not prerequisite). *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: HIST 4; HIST SEQ A (HIST M01A + M01B).*

HIST M02 -- 3 Units

From Freedom to Civil Rights

Prerequisite: None

Class Hours: 3 lecture

Surveys the efforts of African Americans in the 20th century to gain equal political, social, and economic opportunity. Emphasizes the movement for civil rights, including its radicalization in the late 1960s. Includes evolution of the African American community, the beginnings of Black cultural nationalism and the contributions of African Americans to the development of the United States. *Transfer credit: CSU, UC*

HIST M03 -- 3 Units

African American History

Prerequisite: None

Class Hours: 3 lecture

Analyzes history of the African American experience from the Atlantic slave trade (16th century) to the present. Focuses on the political, social and economic trials and contributions of African Americans in US development. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M04 -- 3 Units

History of the Southwest

Prerequisite: None

Class Hours: 3 lecture

Introduces history of the Chicano (pre-Columbian to present), emphasizing the Mexican settlement of the American Southwest as well as the development and contributions of the Chicano to that area. (Same course as CHST M04). *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M05 -- 3 Units**United States History**

Prerequisite: None

Class Hours: 3 lecture

Introduces the historical development of institutions and values that shape present-day America through thematic/problems approach. Reviews democratic government; the use of nature; work; political and social reform; discrimination based on sex, race, and nationality; and individual and group contributions. *Applies to Associate Degree. Transfer credit: CSU; UC. (HIST M05, M07A and M07B combined receive maximum credit as 2 courses).*

HIST M06 -- 3 Units**History of the American Indian**

Prerequisite: None

Class Hours: 3 lecture

Introduces indigenous peoples of the Western Hemisphere from pre-Columbian times to present. Reviews places and cultures of North America, emphasizing association of those with mixed ancestry to mainstream Anglo-America. *Applies to Associate Degree. Transfer credit: CSU; UC.*

HIST M07A -- 3 Units**Social and Political History of the United States**

Prerequisite: None

Class Hours: 3 lecture

Introduces creation and development of American Society to 1865, analyzing impact of individuals and groups. Explores colonial foundation of American cultural heritage; growth of US political party system; women and social reform; the institution of and movement to abolish slavery; and the Civil War, including its causes and repercussions. *Applies to Associate Degree. Transfer credit: CSU; UC HIST M05, M07A M07B combined receive maximum credit as 2 courses. CAN: HIST 8; HIST SEQ B (HIST M01A + M01B).*

HIST M07B -- 3 Units**Social and Political History of the United States**

Prerequisite: None

Class Hours: 3 lecture

Evaluates social and political adjustment from 1865 to the present, emphasizing effect on contemporary Americans. Reviews individual and group contributions surrounding such issues as westward expansion, industrial development, ethnic confrontations, religious tolerance, and social and political reform movements. *Applies to Associate Degree. Transfer credit: CSU; UC. (HIST M05, M07A and M07B combined receive maximum credit as 2 courses). CAN: HIST 10; HIST SEQ B (HIST M01A + M01B).*

HIST M08 -- 3 Units**History of California**

Prerequisite: None

Class Hours: 3 lecture

Introduces political, social and cultural developments and events of Indian, Spanish, and Mexican/American periods of California history since 1849. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M09 -- 3 Units**Latin American History**

Prerequisite: None

Class Hours: 3 lecture

Introduces development of cultural, economic, and political factors in the various Latin American nations, emphasizing relationships with contemporary United States. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M10 -- 3 Units**African History**

Prerequisite: None

Class Hours: 3 lecture

Introduces development of social, economic and political aspects of indigenous cultures and the colonial experience. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M12 -- 3 Units**History of American Women**

Prerequisite: None

Class Hours: 3 lecture

Introduces roles of women in the historical development of the United States since the 17th century, examining famous and obscure women and the boundaries and changes they faced. Contrasts myth and reality for Euro-Americans and ethnic minorities. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M14 -- 3 Units**Ethnicity and Gender in American History**

Prerequisite: None

Class Hours: 3 lecture

Surveys experiences of Native Americans, Latinos, Asian-Americans, African-Americans, and women throughout American history, assessing their accomplishments, the persistence of stereotypes, and the continuity and change in the position of these different groups. Analyzes historical documents, films, and literature. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M15 -- 3 Units**Asia: The Rise of Eastern Civilization I**

Prerequisite: None

Class Hours: 3 lecture

Introduces early Eastern civilization from antiquity to the time of the rising of the West, emphasizing geographical influences, rise of civilizations, and development of the Chinese and Japanese Empires. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M16 -- 3 Units**Asia in the Modern World ASIAN CIV. II**

Prerequisite: None

Class Hours: 3 lecture

Introduces cultural, social and political aspects of Eastern civilization from the initial impact of Western travel and colonialism to the present. Reviews developments in China, Japan, Korea, Indochina, and Indian subcontinent, including wars in Vietnam and Indochina. *Applies to Associate Degree. Transfer credit: CSU; UC*

HIST M20A -- 3 Units**An Introduction to World History (to the 17th century)**

Prerequisite: None

Class Hours: 3 lecture

Introduces major civilizations of Asia, Europe, Africa and the Americas from pre-history through 1600, covering each civilization's religions and cultural achievements as well as its political, economic and social structures. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN HIST 14*

HIST M20B -- 3 Units**An Introduction to World History (from the 17th century)**

Prerequisite: None

Class Hours: 3 lecture

Introduces major civilizations of Asia, Europe, Africa and the Americas from 1500 to the present, covering each civilization's religions and cultural achievements as well as its political, economic and social structures. Topics covered include each civilization's political, economic and social structures. (HIST M20A not prerequisite). *Applies to Associate Degree. Transfer credit: CSU; UC. (CAN HIST 16 SEQ C 20A+20B)*

**HIST M22A/B – 0.5 to 3 Units Each
Independent Studies in History**

Prerequisite: A previous course in History

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of history through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**HIST M60A-Z – 1 to 3 Units Each
Topics in History**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include: HIST 60A - CSU - UC credit limitations

HIST M60C -- 3 Units**World War II - The World at War**

Prerequisite: A previous course in History

Class Hours: 3 lecture

Analyzes World War II as the most cataclysmic and important event in our time, noting its continuing effect on contemporary society. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60D -- 3 Units**World War I - The Great War**

Prerequisite: A previous course in History

Class Hours: 3 lecture

Analyzes World War I, still regarded as "The Great War" by Europeans, noting its significance as the catalyst for the rest of the 20th century. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60E -- 3 Units**Modern England**

Prerequisite: A previous course in History

Class Hours: 3 lecture

Examines England from its age of greatness to its more recent times of decline. Emphasizes Victorian England, industrial revolution, World Wars, welfare state, and Anglo-American partnership. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60F -- 3 Units**The World Since 1945**

Prerequisite: A previous course in History

Class Hours: 3 lecture

Expands review of Western civilization beyond World War II, emphasizing individuals, events, contributions and relationships. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60G -- 3 Units**Modern Germany**

Prerequisite: A previous course in History

Class Hours: 3 lecture

Introduces political and cultural history of Germany during the last 100 years, emphasizing creation and structure of the German Empire, World War I, the Weimar Republic, Hitler and National Socialism, World War II, and the division of Germany since 1945. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60H-- 3 Units**History of the Jewish People**

Prerequisite: None

Class Hours: 3 lecture

Traces great ages and ideas of the Jewish people, emphasizing the character and nature of contemporary Jewish experience. Reviews time, depth and geographical span of Jewish history and the significance of moving through many cultures and lands. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60R -- 3 Units**Modern Russia**

Prerequisite: None

Class Hours: 3 lecture

Introduces political and cultural history of Russia in the 20th century. Reviews World War I, Lenin and the Communist Revolution of 1917, Stalin's domestic and foreign policies, World War II, the Cold War, and present East-West relations. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60S — 3 Units**Modern Jewish History**

Prerequisite: None

Class Hours: 3 lecture

Reviews the Jewish people in modern Western civilization, including experiences and treatment within various countries, movements within and between countries, rise of anti-Semitism in Russia, impact of two World Wars, the Holocaust, and assimilation and survival of contemporary Jewry. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60T -- 3 Units**Historic Site Evaluation**

Prerequisite: A previous or concurrent course in History

Class Hours: 3 lecture

Introduces methodology of historic site evaluation and interpretation, including on-site evaluation of federal, state, and local historic sites, buildings, museums and parks. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M60V -- 3 Units**The Vietnam War**

Prerequisite: None

Class Hours: 3 lecture

Examines circumstances leading to the American involvement in Vietnam, the war itself, and the resulting consequences. Uses literature and film to explore historic, psychological and pop-cultural perspectives. (Same course as HUM M60V and PSY M60V). *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

HIST M80 -- 1 to 4 Units**Internship in History**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

HUMANITIES

This is an area of specially-designed courses that offer a broad based understanding of literature, history, philosophy, art and contemporary issues and trends.

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

John Davie, Hugo Ekback, Judy Farrell, Gerald Fecht, Carole Ginot, Anne Kairschner, Linda Moore

Counselors

Don Henderson, Mary Martin

Humanities Courses

HUM M01 -- 6 Units

The Individual and Society

Prerequisite: None
Class Hours: 6 lecture

Team-taught interdisciplinary course. Analyzes history and social issues through accomplishments of people who have shaped civilization and its institutions. Explores individual and collective responsibility to preserve and improve society. Emphasizes use and improvement of writing skills. *Applies to Associate Degree. Transfer credit: CSU*

HUM M02 -- 6 Units

The Individual and the Arts

Prerequisite: None
Class Hours: 6 lecture

Team-taught interdisciplinary course. Examines nature of creativity through an analysis of major art forms and of the interrelationships of art, artists and society. Develops awareness and appreciation for diversity among people and the arts. Emphasizes use and improvement of writing skills. *Applies to Associate Degree. Transfer credit: CSU*

HUM M03 -- 3 Units

History of Cinema I

Prerequisite: None
Class Hours: 3 lecture

Introduces historical and critical survey of world cinema from its beginnings to WW II. *Applies to Associate Degree. Transfer credit: CSU; UC*

HUM M04 -- 3 Units

History of Cinema II

Prerequisite: None
Class Hours: 3 lecture

Introduces historical and critical survey of world cinema from WW II to the present. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with HUM M6*

HUM M05 -- 3 Units

Contemporary Foreign Film

Prerequisite: None
Class Hours: 3 lecture

Introduces contemporary foreign cinema, focusing on work of important directors and their varying production systems. Reviews genres, themes, and styles of various national cinemas. *Applies to Associate Degree. Transfer credit: CSU; UC*

HUM M06 -- 3 Units

Contemporary Film

Prerequisite: None
Class Hours: 3 lecture

Analyzes works of contemporary American filmmakers, examining special themes, filming techniques and notable genres, including comedy, epic and psychological drama. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with HUM M04*

HUM M10A -- 3 Units

Ethics, Culture and the Arts: The Roots of Humanities

Prerequisite: None
Class Hours: 3 lecture

Introduces human cultural heritage from the earliest times to approximately 1000, emphasizing major ideas of several periods of western civilization. Examines literature, philosophy, music, painting, and sculpture of each era. Highlights ethical choices and aesthetic responses possible within each period. *Applies to Associate Degree. Transfer credit: CSU; UC*

HUM M10B -- 3 Units

Ethics, Culture and the Arts: Humanities and the Modern World

Prerequisite: None
Class Hours: 3 lecture

Introduces human cultural heritage from 1000 to the present, emphasizing major ideas of several periods of western civilization from the Renaissance to the modern world. Examines literature, philosophy, music, painting, architecture, and sculpture of each era. Highlights ethical choices and aesthetic responses possible within each period. *Applies to Associate Degree. Transfer credit: CSU; UC*

HUM M12 -- 3 Units

Spanish Civilization

Prerequisite: None
Class Hours: 3 lecture

Introduces history, culture, and civilization of Spain through a review of major events and landmarks. Emphasizes 20th century Spanish politics, culture, and society, focusing on contemporary developments reflected in literature, art, film, and music. (Same course as SPAN M12). *Applies to Associate Degree. Transfer credit: CSU; UC pending.*

HUM M18 -- 3 Units

Images of Women in Film

Prerequisite: None
Class Hours: 3 lecture

Introduces psychological survey of stereotypes of women seen through roles, myths and special personalities in motion pictures. Considers visions of individual filmmakers, audience demands, censorship and cultural movements. Contrasts cinematic image with the actual image of women, exploring the impact of the media on reality. *Applies to Associate Degree. Transfer credit: CSU; UC*

HUM M19 -- 3 Units

Women in Contemporary Society

Prerequisite: None
Class Hours: 3 lecture

Examines concerns, conflicts and rewards of women as their roles and opportunities change within society. Uses lecture, discussions, films and reading to explore fulfillment of individual potential. *Applies to Associate Degree. Transfer credit: CSU; UC*

**HUM M22A/B – 1 to 3 Units Each
Independent Studies in Humanities**

Prerequisite: A previous course in Humanities

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of humanities through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**HUM M42 -- 3 Units
Business and Society**

Prerequisite: None

Class Hours: 3 lecture

Explores issues such as corporate responsibility, career/job satisfaction, workplace ethics, technological change and environmental health concerns through the analysis of modern literature, art and film. (Same course as BUS M42). *Applies to Associate Degree. Transfer credit: CSU*

**HUM M60A-Z – 1 to 6 Units Each
Topics in the Humanities**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. ~~CSU; UC~~

Developed topics include:**HUM M60A -- 1.5 Units
The Reel View: The Fifties**

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Studies content and form of cinema of the fifties, comparing "reel" images with societal realities and values. *CSU; UC*

**HUM M60B -- 1.5 Units
The Reel View: The Sixties**

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Studies content and form of cinema of the sixties, comparing "reel" images with societal realities and values. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**HUM M60E -- 3 Units
America in Perspective**

Prerequisite: None

Class Hours: 3 lecture

Explores economic, political, diplomatic/military, and social developments shaping the United States since 1876. Provides topical rather than chronological approach to history. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**HUM M60I -- 1.5 Units
The Reel View of Real Life (The Documentary)**

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Analyzes selected documentary films, comparing content and styles of individual filmmakers. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**HUM M60J — 3 Units
Humanities in the Arts**

Prerequisite: None

Class Hours 3 lecture

Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.

HUM M60V -- 3 Units**The Vietnam War**

Prerequisite: None

Class Hours: 3 lecture

Examines circumstances leading to the American involvement in Vietnam, the war itself, and the resulting consequences. Uses literature and film to explore historic, psychological and pop-cultural perspectives. (Same course as HIST M60V and PSY M60V). *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**HUM M80 -- 1 to 4 Units
Internship in Humanities**Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

INTERIOR DESIGN

The Interior Design Program has been developed to prepare students for numerous careers in Interior Design and related areas including Residential and Commercial design. Students will receive training that will equip them with the necessary tools to be used in various aspects of the Design field.

Career Opportunities

Residential Designer, Commercial Designer, Product Designer, Window Treatment Designer, Model Home Designer, Textile Designer, Customer Service Representative, Home Furnishings Editor and/or Writer, Home Fashions Coordinator, Merchandise Manager, Home Economist, Construction Executive, Health Care Facility Designer, Showroom Manager, Designer for the Disabled, Color Consultant, Furniture Buyer, Lighting Consultant, Display Specialist, Environmental Designer, Wall Covering Designer, Space Planner, Set Designer, Wholesale Buyer, Instructor, Researcher, Museum Curator, Urban Planner, Land Planner, City Planner

Dean

Judith Gerhart, Phone (805) 378-1402

Faculty

Part-Time

Sharon Anderson, Janis Gerry, Toni Johnston

Counselors

Denice Avila, Ofelia Romero-Motlagh

Interior Design Degree (Occupational)

Associate in Science Degree

The Interior Design program has been developed to prepare students for numerous careers in Residential and Commercial Interior Design. Students will receive training necessary to prepare for the work force. Students can prepare for careers, such as those listed above.

Required Courses:

	Units
ART M02 Art Appreciation	3
ART M04A Color and Design	3
BUS M32 Small Business Management	3
DRFT M03A Architectural Drafting I	3
ID M05 Beginning Interior Design	3
ID M06 Materials and Installations	3
ID M07 Space Planning	3
ID M08 Advanced Interior Design	3
ID M09 Interior Design Graphics and Presentation	3
ID M31 Textiles	3
General Education Courses	24
TOTAL required units in major	54-24
	(GE) = 30

Recommended Courses: BUS M35; DRFT M02A

Suggested Course Sequence:

First Semester

ART M02	3
DRFT M03A	3
ID M05	3
ID M06	3
General Education	3
Total	15

Third Semester

BUS M32	3
ID M07	3
General Education	6
Total	12

Second Semester

ART M04A	3
ID M31	3
General Education	9
Total	15

Fourth Semester

ID M08	3
ID M09	3
General Education	6
Total	12

See Degree Requirements and Transfer Information section for General Education requirements.

Interior Design Degree

Certificate of Achievement

The Interior Design program has been developed to prepare students for careers in various areas of home and business improvement. Students can prepare for careers as display designer, space planner, furniture buyer, and sales representatives for retail organizations.

Required Courses:

	Units
ART M02 Art Appreciation	3
ART M04A Color and Design	3
BUS M32 Small Business Management	3
DRFT M03A Architectural Drafting I	3
ID M05 Beginning Interior Design	3
ID M06 Materials and Installations	3
ID M07 Space Planning	3
ID M08 Advanced Interior Design	3
ID M09 Interior Design Graphics and Presentation	3
ID M31 Textiles	3
TOTAL minimum units required	30

Recommended Courses: BUS M35; DRFT M02A

Interior Design Certificate

Certificate of Completion

The Interior Design program provides certificate options in the areas of Space Planning, Kitchen/Bath Design, Health Occupations and Decorative Textiles, allowing specialization within this growing field. Developing a portfolio for work with clients, program graduates are ready to enter the work force as competent, resourceful designers.

Choose one of the options noted below:

Space Planning Option

Fall Semester

ID M05 Beginning Interior Design	3.0
DRFT M03A Architectural Drafting	3.0
ID M60C Lighting	1.5
ID M60G Barrier Free Design	1.5

Spring Semester

ID M07 Space Planning	3.0
DRFT M02A Computer Aided Drafting I	3.0
ID M60H Residential Design	1.5
ID M60I Commercial Design	1.5

TOTAL minimum units required **18**

Kitchen/Bath Design Option

Fall Semester

ID M05 Beginning Interior Design	3
DRFT M03A Architectural Drafting I	3
ID M60C Lighting	1.5
ID M60G Barrier Free Design	1.5

Spring Semester

ID M06 Materials and Installation	3
ID M07 Space Planning	3
ID M60J Kitchen/Bath Design	1.5
TOTAL minimum units required	16.5

Health Care Design Option

Fall Semester

ID M05 Beginning Design	3
DRFT M03A Architectural Drafting I	3
ID M60C Lighting	1.5
ID M60G Barrier Free Design	1.5

Spring Semester

ID M06 Materials & Installation	3
ID M31 Textiles	3
ID M60D Feng Shui	1.5
ID M60K Designing for Health Care Industry	1.5
TOTAL minimum units required	18

Decorative Arts Option

Fall Semester

ID M05 Beginning Interior Design	3
ID M31 Textiles	3
ID M60B Faux Finishes	1.5

Spring Semester

ID M60A Decorative Textiles	1.5
ID M60E Window Treatments	1.5
ID M60F Designing with Accessories	1.5
TOTAL minimum units required	12.0

Interior Design Courses

ID M05 -- 3 Units

Beginning Interior Design

Prerequisite: None

Class Hours: 3 lecture

Introduces principles and elements of design and color applied to residential buildings including materials, organization, and arrangement related to living needs. Requires field trips. Reviews employment opportunities. *Applies to Associate Degree. Transfer credit: CSU*

ID M06 -- 3 Units

Materials and Installations

Prerequisite: None

Class Hours: 3 lecture

Introduces materials and installation processes of residential and commercial design. Emphasizes procurement, pricing, and manufacturer's specifications. *Applies to Associate Degree. Transfer credit: CSU*

ID M07 -- 3 Units

Space Planning

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces management of space related to three-dimensional functional adequacy, task management, human behavior, social interaction, and traffic and workflow. Includes technical consideration such as lighting and power, storage, noise control, computers and code requirements, and barrier-free design. Requires practical lab projects. *Applies to Associate Degree. Transfer credit: CSU*

ID M08 -- 3 Units

Advanced Interior Design

Prerequisite: ID 5

Class Hours: 3 lecture

Introduces historical periods/styles utilized in Interior Design and applied to contemporary living. Focuses on advanced color theory, fabric treatments and materials. *Applies to Associate Degree. Transfer credit: CSU*

ID M09 -- 3 Units

Interior Design Graphics and Presentation

Prerequisites: DRFT M31 and ID M05

Class Hours: 2 lecture, 3 lab

Introduces standard materials used for residential/commercial client presentations. Emphasizes portfolio development, verbal presentation skills, exploration of media common to marketplace, and application of business practices. *Applies to Associate Degree. Transfer credit: CSU*

ID M22A/B -- 1 to 3 Units Each

Independent Studies in Interior Design

Prerequisite: A previous course in Interior Design

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of interior design through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU.*

ID M31 -- 3 Units

Textiles

Prerequisite: None

Class Hours: 3 lecture

Introduces care of textile fibers, including construction, characteristics, finishes, and uses. Requires development of 25 decorative textile techniques. *Applies to Associate Degree. Transfer credit: CSU; UC*

ID M32 -- 3 Units

Interior Design Practicum

Prerequisites: Completion of 15 units (C grade or better)

Recommended Preparation: concurrent enrollment in ID M9

Class Hours: 1 lecture, 10 lab

Provides practical work experience in a residential or commercial interior design firm. Requires weekly class sessions and ten hours of work per week under direction of Interior Design Supervisor. *Applies to Associate Degree. Transfer credit: CSU*

ID M60A-Z — 0.5 to 3 Units Each

Topics in Interior Design

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:

ID M60A — 1.5 Units

Decorative Textiles - Hand Painting on Silk

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Introduces techniques of hand painting on silk for home furnishings, art and accessories. Reviews contemporary decorative textiles, including ethnic textile techniques. Requires class projects. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60B — 1.5 Units

Faux Finishes

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Provides hands-on learning, using "Faux Finishing" techniques, including how to simulate wood, marble, stone, brick and fabric. Requires creation of sample boards for all techniques. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60C — 1.5 Units

Lighting for Interior Spaces

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Includes lighting basics, illumination requirements, sources of light, symbol requirements for floor plans and lighting as a source of art. Lighting design specifications will be studied. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60D — 0.5 Units

Feng Shui

Prerequisite: None

Class Hours: 8 hours

Introduces Feng Shui, traditional Chinese technique that ensures harmony between design and surroundings. Applies to both residential and commercial settings. Requires practical application of Feng Shui guidelines in class projects. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60E — 1.5 Units

Window Treatment Design

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Introduces window treatment design, including fabric requirements, window function, hardware requirements, window measuring, and proper window treatment specification. Emphasizes proper workroom procedure and professional expectations. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60G – 1.5 Units

Barrier Free Design

Prerequisite: None

Recommended Preparation: ID M05

Class Hours: 2 lecture, 1.5 lab for 8 weeks

Introduces barrier free codes governing residential spaces and public institutions. Requires designing of barrier free projects, following California's regulations. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60H – 1.5 Units

Residential Design

Prerequisite: None

Recommended Preparation: ID M05 and ID M07

Class Hours: 2 lecture, 1.5 lab for 8 weeks

Develops professional portfolio reflecting advanced design work. Requires completing an interior design project for actual residential client from the community. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60I – 1.5 Units

Commercial Design

Prerequisite: None

Recommended Preparation: ID M05 and ID M07

Class Hours: 2 lecture, 1.5 lab for 8 weeks

Develops professional portfolio reflecting advanced design work. Requires completing an interior design project for actual commercial client from the community. *Applies to Associate Degree. Transfer Credit: CSU*

ID M60J – 1.5 Units

Kitchen and Bath Design

Prerequisite: None

Recommended Preparation: ID M05

Class Hours: 2 lecture, 1.5 lab for 8 weeks

Introduces kitchen and bath design, including space requirements, the work triangle, and cabinet and hardware construction and specification. Reviews surface material selection and function, floor plans and project documentation. *Applies to Associate Degree. Transfer Credit: CSU*

ID M80 -- 1 to 4 Units

Internship in Interior Design

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations*

INTERNSHIPS AND WORK EXPERIENCE

In compliance with Title V Cooperative Work Experience Education regulations, the Moorpark College Internship Office offers students two different avenues for receiving credit for on-the-job learning. If the work experience is in your major field of study, the work experience is labeled an Internship. Non-major specific work experience provides the opportunity to explore a possible career path and to receive valuable training in typical on-the-job skills.

Dean

Victoria Bortolussi, Phone (805) 378-1405

Internship Courses

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

Look for an M80 internship course offered in the following disciplines:

Anthropology, Art, Astronomy, Biology, Biotechnology, Business, Ceramics, Chemistry, Chicano Studies, Child Development, Communication Media, Computer Information Systems, Computer Network Systems, Computer Science, Criminal Justice, Dance, Drafting, Economics, Electronics, Engineering, English, Environmental Science, Exotic Animal Training/Management, French, Geography, Geology, German, Graphics, Health Education, Health Sciences, Hebrew, History, Humanities, Interior Design, Italian, Japanese, Journalism, Mathematics, Music, Nutritional Science, Philosophy, Photography, Physical Education, Physical Science, Physics, Political Science, Psychology, Sociology, Spanish, Speech, Theatre Arts, Urban Studies.

Work Experience Course

WEXP M10 – 1- 3 Units

Programs and Leadership

Prerequisites: None

Class Hours: 5 – 20 lab as arranged

Provides on-the-job learning to develop effective work habits, attitudes and career awareness under direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Requires orientation session, consultations with faculty supervisor and research term paper/project. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree.*

The Internship Office

Campus Center (next to the bookstore)

Open Monday-Friday

9:30 AM to 3:30 PM or by appointment.

Call (805) 378-1400 Ext. 1668.

INTERNATIONAL AND INTERCULTURAL STUDIES

The major in International Studies is based upon the idea that the past 20 years have seen a series of significant changes in some of the fundamental ways in which nations have traditionally dealt with one another. There has been a shift away from the older politics of conflict and competition toward the recognition that economic and developmental strategies require international planning and management. Nations are beginning to realize that their destinies are mingled in a way, and to a degree, that is unprecedented. The major is designed to permit students to function in this new environment.

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Counselors

Mary Martin, Ofelia Romero-Motlaugh

International Studies Degree

Associate in Arts Degree

The program includes required classes as enumerated below. In addition, students must select a field of emphasis from those listed below.

Required Courses:

	Units
ANTH M02 Cultural Anthropology	3
ECON M01 Principles of Micro-Economics	3
ENGL M31 Masterpieces of World Literature II	3
GEOG M03 Geography of World Affairs	3
HIST M01B An Intro to Western Civilization	3
or	
HIST M60F The World Since 1945	3
POLS M02 Comparative Government	3
POLS M03 American Government and Politics	3
POLS M04 International Relations	3

Required Additional Courses:

Electives: Students may select any of the following areas of emphasis, choosing two courses from any single area. Participation in a Moorpark College Study Abroad program may be substituted for 3 units.

Area A:

Business - Economics

BUS 30/ECON M30.....Intro to Business and Economics	3
BUS M31 Introduction to Management.....	3
BUS M37 Marketing	3
ECON M2 Principles of Macro-Economics	3

Area B:

Culture and Politics

HIST M07B Social and Political History of the United States	3
HIST M09 Latin American History	3
HIST M10 African History	3
HIST M16 Asia in the Modern World	3
HIST M60E Modern England	3
HIST M60F The World Since 1945	3
HIST M60G Modern Germany	3
HIST M60R Modern Russia	3
PHIL M11 Survey of World Religions: West	3
PHIL M12 Survey of World Religions: East	3
SOC M01 Intro to Sociology	3

Area C:

Foreign Languages

Two semesters of the same language: a parallel study of the appropriate culture, e.g., Spanish/Latin American History, is recommended.

Area D:

Environmental Studies

ENSC M02 Environment and Human Interactions	4
ENSC M03 Energy Resources and Conservation	3
GEOG M01 Our Physical Environment	3
GEOG M07 The Human Impact	3

TOTAL minimum units required in major area 30

See Degree Requirements and Transfer Information section for General Education requirements.

ITALIAN

Study in the Italian language provides specialists to work in areas such as anthropology, economics, political science, literature, and sociology. While teaching is the principle area of employment, other careers may be found in interpreting, translating, research, diplomacy, libraries, and the publishing business.

Career Opportunities

Most careers require bachelors or graduate degree.

Translator, Diplomatic Office, Tutor, Editor, Foreign-Exchange Trader, Foreign Clerk, Foreign Service Officer

Dean

Rene Rodriguez, Phone (805) 378-1404

Faculty

Part-Time

Nicole Kersting, Damiano Marano

Counselor

Ofelia Romero-Motlagh

Italian Courses

ITAL M01 -- 4 Units

Elementary Italian I

Prerequisite: None

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Introduces Italian language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. Requires individualized work in lab each week. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ITAL 2; ITAL SEQ A (ITAL M01+M02).*

ITAL M02 -- 4 Units

Elementary Italian II

Prerequisite: ITAL M01 or 2 years of high school Italian with equivalent fluency

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Further develops proficiency of oral and written forms of Italian. Requires individualized work in lab each week. *Applies to Associate Degree. Transfer credit: CSU; UC.*

ITAL M03 -- 4 Units

Intermediate Italian I

Prerequisite: ITAL M02

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Reviews grammar basics and expands vocabulary and writing proficiency. Explores culture and civilization through literature. Requires individualized work in lab each week. *Applies to Associate Degree. Transfer credit: CSU; UC.*

ITAL M22A/B – 1 to 3 Units Each

Independent Studies in Italian

Prerequisite: A previous course in

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of Italian through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

ITAL M31A -- 3 Units

Beginning Conversational Italian

Prerequisites: None

Provides basic understanding and use of Italian in practical situations, emphasizing elementary grammar and principles of usage for non-native speakers. May be taken two (2) times for credit. *Applies to Associate Degree.*

ITAL M31B -- 3 Units
Intermediate Conversational Italian

Prerequisite: ITAL M31A
Class Hours: 3 lecture

Expands introduction and use of Italian for non-native speakers, emphasizing intermediate grammar and principles of usage. May be taken two (2) times for credit. *Applies to Associate Degree.*

ITAL M31C -- 3 Units
Advanced Conversational Italian

Prerequisite: ITAL M31B
Class Hours: 3 lecture

Emphasizes correct oral communication for students with an Italian-speaking background. Requires oral presentation and discussion based on Italian music, art, literature and architecture. *Applies to Associate Degree.*

ITAL M80 -- 1 to 4 Units
Internship in Italian

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

JAPANESE

Study in the Japanese language provides specialists to work in areas such as anthropology, economics, political science, literature, and sociology. While teaching is the principle area of employment, other careers may be found in interpreting, translating, research, diplomacy, libraries, and the publishing business.

Career Opportunities

Most careers require bachelors or graduate degree.

Translator, Diplomatic Office, Tutor, Editor, Foreign-Exchange Trader, Foreign Clerk, Foreign Service Officer

Dean

Rene Rodriguez, Phone (805) 378-1404

Faculty

Part-Time

Naoko Hall, Paul Jonokuchi

Counselor

Ofelia Romero-Motlagh

Japanese Courses

JAPN M01 -- 4 Units
Elementary Japanese I

Prerequisite: None
Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Introduces Japanese language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. Requires individualized work in lab each week. *JAPN formerly JAPAN. Applies to Associate Degree. Transfer credit: CSU; UC*

JAPN M02 -- 4 Units
Elementary Japanese II

Prerequisite: JAPN M01
Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Further explores Japanese language and culture, emphasizing people and history as well as speaking and writing proficiency. Requires individualized work in lab each week. *JAPN formerly JAPAN. Applies to Associate Degree. Transfer credit: CSU; UC*

JAPN M03 -- 4 Units
Intermediate Japanese I

Prerequisite: JAPN M02
Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Continues study of grammar, oral and written composition, customs and culture. Includes reading of intermediate-level texts. Requires individualized work in lab each week. *JAPN formerly JAPAN. Applies to Associate Degree. Transfer credit: CSU; UC*

JAPN M22A/B -- 1 to 3 Units Each
Independent Studies in Japanese

Prerequisite: A previous course in Japanese
Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of Japanese through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *JAPN formerly JAPAN. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

JAPN M31A -- 3 Units
Beginning Conversational Japanese

Prerequisite: None
Class Hours: 3 lecture

Provides basic understanding and use of Japanese in practical situations, emphasizing elementary grammar and principles of usage for non-native speakers. May be taken two (2) times for credit. *JAPN formerly JAPAN. Applies to Associate Degree.*

JAPN M31B -- 3 Units
Intermediate Conversational Japanese

Prerequisite: JAPN M31A
Class Hours: 3 lecture

Reviews fundamentals of grammar, structure and vocabulary of Japanese language, emphasizing listening comprehension and oral communication. Gradually introduces the Japanese writing system. Includes review of various aspects of Japanese culture. May be taken two (2) times for credit. *JAPN formerly JAPAN. Applies to Associate Degree.*

JAPN M80 -- 1 to 4 Units
Internship in Japanese

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *JAPN formerly JAPAN. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

JOURNALISM

The Journalism major program has a two-fold purpose: to provide preparation for careers in newspaper and magazine editorial work, television and radio news, or public relations, and, to provide a study of the media of mass communications for those students who feel it would contribute to their liberal education.

Career Opportunities

Reporter, Feature Writer, Copy Editor, Editorial Assistant, Make-up Editor, Photographer, Lay-out Worker, Advertising Assistant, Writer, Publicity Director, Technical Writer, Proofreader, Stringer, Production Assistant

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

Bona Dillon, John Grzywacz-Gray, Al Miller

Part-Time

Steve Ames, Star Hunter, Chuck Whitten

Counselor

Don Henderson

Journalism Degree (Occupational)

Associate in Science Degree

This program is designed to introduce students to the field of Journalism with possible preparation for entry-level positions as stringers, layout workers, advertising assistants, and other production related jobs. An internship program in connection with local print media is available.

Required Courses:	Units
JOUR M01 Media and Society	3
JOUR M02 News Reporting and Writing	3
JOUR M03 Advanced News/Feature Writing	3
JOUR M08 Basic Photo-Journalism	3
JOUR M09 Copy Editing and Make-up	3
JOUR M10A Newspaper Production	3
JOUR M12 Broadcast Journalism	3
JOUR M14 Intro to Public Relations	3
TOTAL minimum units required in major area	24

Recommended Courses: BUS M38; JOUR M10B, M11A

See Degree Requirements and Transfer Information section for General Education requirements.

Journalism Courses

JOUR M01 -- 3 Units

Media and Society

Prerequisite: None

Class Hours: 3 lecture

Surveys history and nature of print and electronic media in America, examining social, political and cultural implications. (Same course as RT M01). JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU; UC: CAN: JOUR 4

JOUR M02 -- 3 Units

News Reporting and Writing

Prerequisite: None

Class Hours: 3 lecture

Introduces basic journalistic techniques, concentrating on research, investigation, interviewing, and reporting and writing as well as ethics and basic journalism law. Emphasizes news, feature, sports and persuasive writing for mass media. JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU. CAN: JOUR 2

Writing & Reporting for the Media

JOUR M03 -- 3 Units

Advanced News/Feature Writing

Prerequisite: None

Class Hours: 3 lecture

Focuses on writing feature articles used in magazines and newspapers. Emphasizes techniques for gathering material. Provides practical experience through writing for school newspaper. JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU

Advanced Writing and Reporting for the Media

JOUR M04 -- 3 Units

Magazine Article Writing

Prerequisite: None

Class Hours: 3 lecture

Introduces writing feature articles, reviews, and editorials suitable for magazine publication. Includes editing practice and use of illustrative materials. JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU

JOUR M08 -- 3 Units

Basic Photo-Journalism

Prerequisite: PHOT M01A or suitable portfolio

Class Hours: 2 lecture, 3 lab

Introduces aspects of photography applicable to mass communication, broadcast and print journalism. Concentrates on translating ideas to images for reproduction in magazines and newspapers and as book illustrations. Includes special effects, use of camera and light as creative tools, and basic motion picture techniques. May be taken two (2) times for credit. (Same course as PHOT M08). JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU

JOUR M09 -- 3 Units

Copy Editing and Make-up

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Analyzes structure and effectiveness of written materials. Reviews rewriting, error correction, proofreading, headline writing, news and picture evaluation, and page design. Provides opportunity to work on campus newspaper. JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU

JOUR M10A/B -- 3 Units Each

Newspaper Production

Prerequisite: None

Class Hours: 1 lecture, 6 lab

Covers conception, development, editing, layout and composition of newspapers, emphasizing attractive, effective ways to present written and pictorial matter. Includes review of graphic arts and use of composing and headlining equipment. JOUR M10B may be taken two (2) times for credit. JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU

STAFF (formerly Newspaper Production)

JOUR M10B - Newspaper Editorial Staff

(formerly Newspaper Prod)

CSU

3 units

M10C
JOUR M10C -- 2 Units *deleted*
Photography Lab for Newspaper Production

Prerequisite: None
 Class Hours: 1 lecture, 3 lab
 Provides practical experience in photo production as support for campus newspaper production. May be taken two (2) times for credit. *JOUR formerly JOURN. Applies to Associate Degree. (CSU)*

JOUR M11A -- 3 Units
Magazine Editing

Prerequisite: None *(formerly 11A)*
 Class Hours: 2 lecture, 3 lab
 Introduces analysis, development, composition and layout of magazines or similar publications, emphasizing the coordination of feature stories and related articles with attractive pictorial displays. Also reviews graphic arts as related to magazine production. (Same course as ENGL M47). *JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU*

JOUR M12 -- 3 Units
Broadcast Journalism

Prerequisite: None
 Class Hours: 3 lecture
 Provides advanced practice in preparation of radio and television newscasts. Develops interviewing skills. Includes writing original news copy as well as editing and rewriting wire service copy for on-air purposes. Requires use of remote recording equipment. (Same course as RT M12). *JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU*

JOUR M14 -- 3 Units
Introduction to Public Relations

Prerequisite: None
 Class Hours: 3 lecture
 Introduces origins of public relations, including key definitions, processes, and audiences. Reviews public relations in businesses, associations, volunteer agencies and educational institutions. Includes how to write, prepare and submit release to video/audio and print media. *JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU*

JOUR M22A/B -- 1 to 3 Units Each
Independent Studies in Journalism

Prerequisite: A previous course in journalism
 Class Hours: 1 to 3 as arranged
 Allows an independent project (approved by instructor and dean) to expand knowledge of journalism through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU.*

JOUR M60A-Z -- 1 to 6 Units Each
Topics in Journalism

Prerequisite: To be determined
 Class Hours: To be determined
 Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU; UC.*

JOUR M80 -- 1 to 4 Units Each
Internship in Journalism

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.
 Class Hours: 5 to 20 lab as arranged
 Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *JOUR formerly JOURN. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

LASER/ELECTRO-OPTICS TECHNOLOGY

See courses in Engineering Technology and Physics

LAW ENFORCEMENT

See courses in Criminal Justice

LEARNING SKILLS

A wide range of both special education and learning skills courses are provided for students with specially identified needs.

Dean

Floyd Thionnet, Phone (805) 378-1431

Faculty

Full-Time

Janet Andriese, Sherry D'Attila, Norma Letinsky, Melanie Masters

Part-Time

Susan Baker, Roger Mortara

Counselors

Rick Cardoni

Adaptive Computer Technology Courses

ACT M01 -- 2 Units
Computer Access Evaluation *Training Assistive Computer Training*

Prerequisite: None
 Class Hours: 1 lecture, 3 lab
 Evaluates each student's needs for special assistive technology required to achieve access to the personal computer. Requires work in a self-paced environment. Only offered credit/no-credit. *Does not apply toward a degree. Repeatability (2 times)*

ACT M02 -- 2 Units
Assistive Keyboarding

Prerequisite: None
 Class Hours: 1 lecture, 3 lab
 Teaches keyboarding basics to disabled students who must use assistive technologies to access the keyboard or screen and are unable to compete successfully in mainstream typing classes. May be taken two (2) times for credit. Only offered credit/no-credit. *Does not apply toward a degree.*

~~ACT M03A -- 2 Units~~

~~Computer Access I - Beginning~~

~~Prerequisite: ACT M02~~

~~Class Hours: 1 lecture, 3 lab~~

~~Provides training in computer access technologies to enhance a disabled student's ability to use microcomputers. Introduces basic concepts of typical word-processing programs (Word, WordStar, Word Perfect, etc.). May be taken two (2) times for credit. Only offered credit/no-credit. Does not apply toward a degree.~~

~~ACT M03B -- 2 Units~~

~~Computer Access II - Intermediate~~

~~Prerequisite: ACT M03A~~

~~Class Hours: 1 lecture, 3 lab~~

~~Provides hands-on practice using computer access skills. Requires completion of specialized assignments. May be taken two (2) times for credit. Only offered credit/no-credit. Does not apply toward a degree.~~

~~ACT M04 -- 2 Units~~

~~Introduction to Computers for Disabled Students~~

~~Prerequisite: Completion of or concurrent enrollment in ACT M02~~

~~Class Hours: 1 lecture; 3 lab~~

~~Introduces the personal computer to students with disabilities, covering basic computer terminology and functions, the Windows environment, and word processing. Requires no initial computer experience. May be taken two (2) times for credit. Does not apply toward a degree.~~

~~ACT M05 -- 3 Units~~

~~Word Processing for Students with Disabilities~~

~~Prerequisite: None~~

~~Recommended Preparation: ACT M04~~

~~Class Hours: 2 lecture; 3 lab~~

~~Introduces important elements of word processing using Microsoft Word. Includes how to create, edit and format a document and how to use standard proofreading tools (AutoCorrect, Spell and Grammar Checks and Thesaurus). Also covers using file management tools; setting tabs and margins; creating borders and shading; establishing headers and footers; and using numbers, bullets, tables, outlines and graphics. Does not apply toward a degree.~~

Learning Skills Courses

In order to be admitted to the Learning Disabilities Program, students must meet the California Community College Learning Disability Guidelines criteria. Program staff provide assessments to determine student eligibility.

LS M01 -- 1.5 Units

Assessment of Learning Skills

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Provides assessment and tutoring of learning disabled students by a specially trained staff. Introduces specialized techniques, materials, texts, and audio-visual equipment to support academic instruction for students with special learning styles. Does not apply toward a degree.

LS M02 -- 3 Units

Basic Writing Skills

Prerequisite: None

Class Hours: 3 lecture

Develops basic writing skills, creative thinking, and intellectual capabilities of students with verified learning disabilities. Covers basic grammar and usage for developing short paragraphs and simple essays. May be taken two (2) times for credit. Does not apply toward a degree.

LS M02L - Writing Skills Lab (New)

LS M03 -- 3 Units

Study Skills

Prerequisite: None

Class Hours: 3 lecture

Introduces fundamental principles of study skills. Includes time management, reading and study strategies, memory improvement, test taking, note taking, and writing a term paper. May be taken four (4) times for credit. Does not apply toward a degree.

LS M04 -- 3 Units

Reading and Reasoning

Prerequisite: None

Corequisite: Concurrent enrollment in LS M14-4

Class Hours: 3 lecture

Develops essential reading skills for students with learning disabilities. Includes critical thinking skills, inferential comprehension, problem-solving abilities and vocabulary development. May be taken four (4) times for credit. Does not apply toward a degree.

LS M05 -- 3 Units

Cognitive Retraining

Prerequisite: None

Class Hours: 3 lecture

Offers highly structured cognitive retraining for students with acquired brain injuries, emphasizing multi-sensory approaches for receiving, associating and expressing language. May be taken four (4) times for credit. Only offered credit/no-credit. Does not apply toward a degree.

LS M06 -- 3 Units

Techniques of Problem Solving/Language

Prerequisite: None

Class Hours: 3 lecture

Emphasizes creative thinking, problem solving, and enhanced intellectual capabilities for students with learning disabilities. Provides practical applications in the language lab using audio-visual materials. May be taken four (4) times for credit. Does not apply toward a degree.

LS M07 -- 3 Units

Basic Math Skills

Prerequisite: None

Corequisite: Concurrent enrollment in LS M14-7

Class Hours: 3 lecture

Develops arithmetic computation and basic mathematical skills needed for pre-algebra and algebra courses. Provides individualized instruction and pacing according to student needs. May be taken four (4) times for credit. Does not apply toward a degree.

LS M08 -- 3 Units

Spelling Improvement

Prerequisite: None

Class Hours: 3 lecture

Develops spelling efficiency and competence. Provides spelling practice through conversations and written themes. Does not apply toward a degree.

LS M09 -- 3 Units

Personal Development

Prerequisite: None

Class hours: 3 lecture

Develops small group and personal management skills. Explores issues relevant to the disabled population, such as coping with becoming disabled, building interpersonal relationships, and developing assertiveness and risk taking skills. May be taken four (4) times for credit. Does not apply toward a degree.

LS M10 -- 3 Units
Vocabulary Building

Prerequisite: None

Class Hours: 3 lecture

Reviews meaning and origin of "common" basic language words. Provides practical applications to improve skills and understanding. *Does not apply toward a degree.***LS M12 -- 1 to 3 Units Each****Tutoring Methods**

Prerequisite: None

Class Hours: 1 to 3 lecture

Introduces tutors to techniques for addressing special learning problems. May be taken four (4) times for credit. *Applies to Associate Degree.***LS M13 -- 3 Units****Strategies for Positive Self Esteem**

Prerequisite: None

Class Hours: 3 lecture

Introduces a ten-step model to increase positive self-esteem, including strategies for letting go of past negative experiences, developing appreciation of self and others, and setting goals. *Does not apply toward a degree.***LS M14-1 -- 0.5 Unit****Computer-Aided Instruction/Learning Skills**

Prerequisite: None

Class Hours: 1.5

Provides opportunity to develop academic skills through the use of computer-based instruction. May be taken four (4) times for credit. *Does not apply toward a degree.***LS M14-2 -- 1 Unit****Computer-Aided Instruction/Learning Skills**

Prerequisite: None

Class Hours: 3 Lab

Provides opportunity to develop academic skills through the use of computer-based instruction. May be taken four (4) times for credit. *Does not apply toward a degree.***LS M14-3 -- 1.5 Units****Computer-Aided Instruction/Learning Skills**

Prerequisite: None

Class Hours: 4.50 Lab

Provides opportunity to develop academic skills through the use of computer-based instruction. May be taken four (4) times for credit. *Does not apply toward a degree.***LS M14-4 -- 0.5 Unit****Computer-Aided Instruction/Reading and Reasoning**

Prerequisite: None

Class Hours: 1.5 Lab

Corequisite: concurrent enrollment in LS M04
Uses individualized computer-based program to reinforce reading skills. *Does not apply toward a degree.***LS M14-7 -- 0.5 Unit****Computer-Aided Instruction/Basic Math Skills**

Prerequisite: None

Corequisite: Concurrent enrollment in LS M07

Class Hours: 1.5 lab

Uses individualized computer-based program to reinforce math skills. *Does not apply toward a degree.***LS M14-8 -- 0.5 Unit****Computer-Aided Instruction/Spelling Improvement**

Prerequisite: None

Corequisite: Concurrent enrollment in LS M08

Class Hours: 1.5 lab

Uses individualized computer-based program to improve spelling skills. *Does not apply toward a degree.***LS M20 -- 0.5 to 1.5 Units****Assessment of Learning Skills/Lab**

Prerequisite: None

Class Hours: 1.5 to 4.5 lab as arranged

Open lab for students with learning disabilities. Provides assessment and tutoring by specially trained staff. Emphasizes techniques, materials, texts, and audio-visual equipment to assess skills and to support academic instruction. Focuses on special learning styles. May be taken four (4) times for credit. Only offered credit/no-credit. *Does not apply toward a degree.*

LIBERAL STUDIES

Dean

Sid Adler, Phone (805) 378-1443

Faculty**Counselors**

Chuck Brinkman, Mary Martin, Mike Johnson, Ofelia Romero-Motlagh

Transfer Information

The major in Liberal Studies is designed primarily for students seeking the multiple subjects (elementary) credential, but is open to all students. This major is not appropriate for most students intending to teach in a public junior or senior high school. The completion of the Liberal Studies major automatically satisfies the General Education requirements of the University.

While the four components are common to this major at any Cal State campus, the specific courses required in each component will vary between campuses. Plan to see your counselor for more details about this major -- do this early to avoid errors in course selection.

Major requirements for advanced standing at California State University, Northridge:

1. Freshman Composition: ENGL M01A.
2. Critical Reasoning: PHIL M05 or M07.
3. Speech Communication: SPCH M01 or M07.
4. Introduction to Literature: ENGL M01B or M30 or M31.
5. Foreign Language: Any intermediate-level (3) foreign language course.
6. Mathematics: MATH M10 and MATH M210L after transfer.
7. Biology: BIOL M01.
8. Physical Science: PHSC M01, M01L.
9. World Geography: GEOG M02.
10. Roots of European Society & Culture: HIST M01A.
11. African, Asian and Latin American Society & Culture: HIST M09 or M10 or M15.
12. U.S. History: HIST M03 or M07A.
13. U.S. Government: POLS M03.
14. California History & Geography: GEOG M10 or HIST M08.
15. Philosophy: PHIL M01.
16. Ethics, Values, and Religion: PHIL M02 or M11.

17. Visual & Performing Arts: Select one course from: ART M01A, M01B, M02; MUS M08; THA M01.
18. Interdisciplinary Humanities: HUM M10A or M10B.

Major requirements for advanced standing at California Lutheran University:

1. ENGL M01A & M01B.
2. THA M02A.
3. SPAN M01 & M02.
4. MATH M10 or M13.
5. BIOL M01.
6. PHSC M01, M01L.
7. GEOL M02, M02L.
8. POLS M03.
9. GEOG M01.
10. PSY M01A.
11. PHIL M02.
12. MUS M01.
13. NT S M04.
14. Additional lower-division requirements after transfer.

Major requirements for advanced standing at San Diego State University:

Foreign Language Requirement: Competency (equivalent to that which is normally attained through three consecutive courses of college study) is required in one foreign language.

1. ENGL M01A.
2. ENGL M01C.
3. SPCH M01.
4. ENGL M01B or M30 or M31.
5. MATH M10*.
6. BIOL M01.
7. One course from: AST M01; CHEM M12; GEOG M01, M05; PHSC M01/M01L; PHYS M01, M10A/M10AL.
8. The course selected for either #6 or #7 must include a lab.
9. ANTH M02 or GEOG M02.
10. PSY M01.
11. HIST M03, M04, M05, M06, M07A or M07B, M12; POLS M03.
12. PHIL M01 or M02.
13. HIST M01A, M20A or M20B.
14. MUS M01*.
15. One course from: ART M01A, M01B, M02; THA M01.

*These courses are prerequisites for admission into the SDSU Multiple Subjects Credential program. Students seeking admission into the SDSU credential program must complete these courses with grades of "C", "CR" or higher no more than five years prior to admission to the program. Required Specialization: A 12-unit upper-division specialization is required at SDSU.

Grade Point Requirements: Although the required GPA for graduating with a B.A. in Liberal Studies is a 2.0, the minimum overall GPA for all course work for admission to the SDSU Multiple Subjects Credential program is a 2.64 or better. It is recommended that students strive for the GPA above a 2.64 while working toward the Liberal Studies degree.

MATHEMATICS

The Mathematics degree program offers training in both pure and applied mathematics, leading to careers in research, education, business, industry, and government. Many areas, such as the physical, biological, and social sciences, engineering, economics, and business, are dependent upon the use of applied mathematics in developing solutions to practical problems. *See chart on next page.*

Career Opportunities

Most careers require bachelors or graduate degree.
Teacher, Systems Analyst, Programmer, Statistical Methods Analyst, Statistician, Mathematician, Demographer, Operations Research Analyst, Applied Science Programmer

Dean

To be announced, phone (805) 378-1572.

Faculty

Full-Time

Christine Aguilera, Beverly Barker, Alberto Beron, Christine Cole, Kathryn Fink, Keith Hilmer, David Kay, Mary LaBarge, Fred Meyer, Charles Molnar, Diana Nguyen, Mahyad Rahnamaie, Deborah Ritchie, Benjamin Rode, Fred Schaak, Robert Stephens, Arthur Szylewicz, Roger Walters, David Weinstein, Grethe Wygant

Part-Time

Shui-Tan Chen, Janice Christensen, Kenneth Clark, Robert Davis, Stephen Eberhart, Eugene Foxman, James Gilmore, Nella Hartnell, Robert Holden, Robert Jones, James King, Mee Lee, Cecilia Leonard, John Lin, Paul Lin, Richard McIntyre, Dean Meyers, William Murphy, Stephen Mussack, John Mutolo, David Ogawa, James Riley, David Rodabaugh, Virginia Seaton, Natlee Sekikawa, David Smith, Zhila Tabatabai, Linda Trexel, James Wilkes, Angela Wilkins, Leo Wingle

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

Mathematics Degree

Associate in Arts Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Mathematics. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for the Bachelor of Arts degrees in Mathematics offered by four-year institutions. Since the course work in mathematics is sequential, students may spend less time earning an Associate in Arts Degree and/or Bachelor of Arts Degree by deferring some of the university general education requirements until their Junior and Senior years and by giving priority to the requirements for a major in mathematics. In addition, earning this degree will be evidence of achievement of technical skills that may be helpful towards seeking immediate employment.

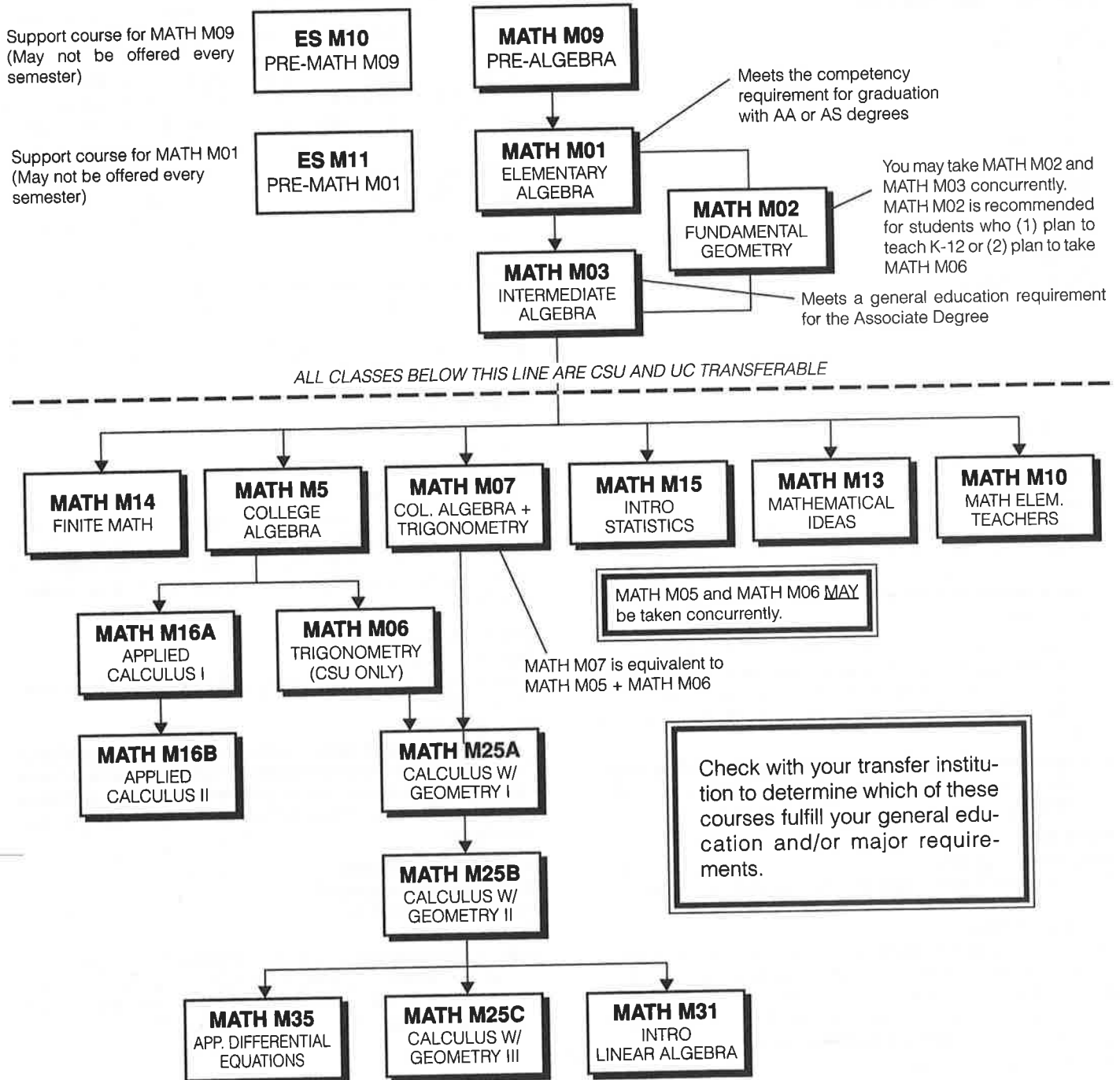
Preparation for the Major:

- Mathematics – two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Physics – one year high school physics or PHYS M10A or equivalent.

Sequence of Mathematics Courses at Moorpark College

You may follow this sequence of courses to develop proficiency in mathematics.

You may be eligible to begin this sequence with MATH M01, MATH M02, MATH M03, or higher depending on prerequisite course work.



Required Courses:	Units
CS M10A/M10AL Intro to Programming with C	4
MATH M25A Calculus with Analytic Geometry I	5
MATH M25B Calculus with Analytic Geometry II	5
MATH M25C Calculus with Analytic Geometry III	5
MATH M31 Introduction to Linear Algebra	3
MATH M35 Applied Differential Equations	3
PHYS M20A/M20AL Mechanics of Solids and Fluids/Lab	5
PHYS M20B/M20BL Electricity and Magnetism/Lab	5
TOTAL minimum units required in major area	35

Recommended Courses: MATH M15, M30; PHIL M09; PHYS M20C/M20CL

Suggested Course Sequence:

First Semester

CS M10A/M10AL	4
MATH M25A	5
Total	9

Second Semester

MATH M25B	5
PHYS M20A/M20AL	5
Total	10

Third Semester

MATH M25C	5
MATH M31	3
PHYS M20B/M20BL	5
Total	13

Fourth Semester

MATH M35	3
Total	3

See Degree Requirements and Transfer Information section for General Education requirements.

Mathematics Courses

IMPORTANT NOTES

- a) A satisfactory grade (A, B, C, or CR) is required for all prerequisite college course work. A student receiving an unsatisfactory grade (D, F, or NC) in a prerequisite college course is to repeat the class and receive a satisfactory grade before enrolling in a sequel college mathematics class.
- b) The assessment process advises students who have not completed a mathematics class in a college mathematics program. Information on this process is available at the Counseling Center in the Administration Building and also in the fall, spring, and summer class schedules.
- c) A student who has earned a satisfactory grade in a college mathematics class may petition to repeat the class after a lapse of two or more years.

MATH M01 -- 5 Units

Elementary Algebra

Prerequisite: MATH M09 or equivalent skills measured by college assessment process

Class Hours: 5 lecture

Briefly reviews arithmetic, including integers, fractions and decimals. Covers linear equations and inequalities, including graphing, systems of linear equations, polynomials, rational expressions, integer exponents, square roots and radical expressions, and quadratic equations and the quadratic formula. *Does not apply toward a degree.*

to Assoc. Degree Applies

MATH M01S -- 1 Unit

Elementary Algebra Discussion Session

Prerequisite: None

Corequisite: MATH M01

Class Hours: 1 lecture

Provides additional discussion and problem solving as supplements to core material of MATH M01. May review history of mathematics and provide opportunities to use computer in solving problems. Only offered credit/no-credit. May be taken two (2) times for credit. *Does not apply toward a degree.*

MATH M02 -- 3 Units

Fundamentals of Geometry

Prerequisite: MATH M01 or equivalent skills measured by college assessment process; MATH M03 may be taken concurrently.

Class Hours: 3 lecture

Concentrates on definitions and properties of lines, segments, planes, rays, angles, triangles, circles and polygons, congruence and similarity of triangles, coordinate systems, areas, volumes, space geometry, triangle trigonometry and methods of proof. *Does not apply toward a degree.*

MATH M03 -- 5 Units

Intermediate Algebra

Prerequisite: MATH M01 or equivalent skills measured by college assessment process

Class Hours: 5 lecture

Reviews elementary algebra, including factoring, rational expressions, linear equations and inequalities. Covers determinants and Cramer's Rule, exponents and radicals, complex numbers, functions and graphs, quadratic equations, exponential and logarithmic functions. *Applies to Associate Degree.*

MATH M03S -- 1 Unit

Intermediate Algebra Discussion Session

Prerequisite: None

Corequisite: MATH M03

Class Hours: 1 lecture

Provides additional discussion and problem solving as supplements to the core material of MATH M03. May review history of mathematics and provide opportunities to use computer in solving problems. Only offered credit/no-credit. May be taken two (2) times for credit. *Applies to Associate Degree.*

MATH M04A -- 5 Units

Technical Mathematics I

Prerequisite: MATH M01 or equivalent skills measured by college assessment process

Class Hours: 5 lecture

Covers basic concepts of algebra, functions and graphs, systems of equations, determinants, products and factors, exponential and logarithmic functions, quadratic equations, trig functions, radian measurement, graphs of trig functions, vectors, and complex numbers. *Applies to Associate Degree.*

MATH M04B -- 5 Units

Technical Mathematics II

Prerequisite: MATH M04A

Class Hours: 5 lecture

Covers nonlinear equations, equations of higher degree, determinants and matrices, inequalities, series, and special topics in trigonometry and analytic geometry. Introduces probability, statistics, and differentiation and integration applications. *Applies to Associate Degree.*

MATH M05 -- 3 Units**College Algebra**

Prerequisite: MATH M03 or equivalent skills measured by college assessment process; MATH M06 may be taken concurrently.

Class Hours: 3 lecture

Covers polynomial functions, rational functions, theory of equations, logarithmic and exponential functions, complex numbers, mathematical induction, sequences and series, binomial theorem, and matrices and determinants. Completing MATH M05 and MATH M06 is same as completing MATH M07. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- 4 units if combined with MATH M07. CAN: MATH 10*

MATH M06 -- 3 Units**Trigonometry**

Prerequisite: MATH M05 or equivalent skills measured by college assessment process; MATH M05 may be taken concurrently.

Class Hours: 3 lecture

Covers functions, trigonometric functions, solutions of triangles, radian measure, analytic trigonometry, trigonometric identities and equations, composite angle identities, inverse trigonometric functions, complex numbers and polar equations, and logarithms. Completing MATH M05 and MATH M06 is same as completing MATH M07. *Applies to Associate Degree. Transfer credit: CSU. CAN: MATH 8*

MATH M07 -- 5 Units**College Algebra and Trigonometry**

Prerequisite: MATH M03 or equivalent skills measured by college assessment process

Class Hours: 5 lecture

Integrates college algebra and trigonometry. Recommended if entering MATH M25ABC sequence. Includes basic algebraic concepts, equations and inequalities of the first and second degree, functions and graphs, linear and quadratic functions, polynomial functions of higher degree, exponential and logarithmic functions, trigonometric functions, analytical trigonometry, systems of equations and inequalities, and sequences and series. Taking MATH M5, M6, M7 receives maximum credit of 6 units. Completing MATH M7 is same as completing both MATH M05 and MATH M06. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- 4 units; if combined with MATH M05 maximum credit allowed is one course/4 units. CAN: MATH 16*

MATH M07S -- 1 Unit**College Algebra and Trigonometry Discussion Session**

Prerequisite: MATH M03

Corequisite: MATH M07

Class Hours: 1 lecture

Provides additional discussion and problem solving as supplements to the core material of MATH M07. May review history of mathematics and provide opportunities to use computer in solving problems. Only offered credit/no-credit. May be taken two (2) times for credit. *Applies to Associate Degree.*

MATH M09 -- 3 Units**Pre-Algebra**

Prerequisite: None

Recommended Preparation: Competence with whole number arithmetic (addition, subtraction, multiplication and division of whole numbers)

Class Hours: 3 lecture

Prepares students for algebra, emphasizes basic arithmetic operations on fractions, decimals, and signed numbers. Provides drills to reinforce operations. Emphasizes problem solving and practical applications on topics such as percent, proportion, and measurement. Includes introduction to basic algebra. *Does not apply toward a degree.*

MATH M09S -- 1 Unit**Pre-Algebra Discussion Session**

Prerequisite: None

Corequisite: MATH M09

Class Hours: 1 lecture

Provides additional discussion and problem solving as supplements to the core material of MATH M09. May review history of mathematics and provide opportunities to use computer in solving problems. Only offered credit/no-credit. May be taken two (2) times for credit. *Does not apply toward a degree.*

MATH M10 -- 3 Units**Mathematics for Elementary Teachers**

Prerequisites: MATH M03 or equivalent skills measured by college assessment process; also, year of high school geometry or MATH M02

Class Hours: 3 lecture

Covers language of sets; systems of numeration; nature of numbers and the fundamentals of operations; domain of integers; and fields of rational, real and complex numbers. Satisfies credential requirements for elementary and junior high teachers and/or general education option under basic studies. Not open to majors in physical sciences or mathematics. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MATH 4*

MATH M13 -- 3 Units**Mathematical Ideas**

Prerequisite: MATH M03 or equivalent skills measured by college assessment process

Class Hours: 3 lecture

Introduces nature of mathematics and application of mathematics to several disciplines. Includes logic, numeration systems, number theory, mathematical systems, probability, statistics, and their application to arts, architecture, powers, puzzles, computers, geometry, and everyday consumer needs. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MATH 2*

MATH M14 -- 3 Units**Finite Mathematics**

Prerequisite: MATH M3

Class Hours: 3 lecture

Introduces matrices, linear inequalities and linear programming, mathematics of finance, and probability distributions and applications to linear programs for business, managerial, social or behavioral science students. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MATH 12*

MATH M15 -- 5 Units**Introductory Statistics**

Prerequisite: MATH M03 or equivalent skills measured by college assessment process

Class Hours: 5 lecture

Explores nature of statistical methods, including the description of sample data, probability, theoretical frequency distributions, sampling, estimation, testing hypothesis, and special topics. Provides problem solving techniques. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: STAT 2*

MATH M15S -- 1 Unit**Introductory Statistics Discussion Session**

Prerequisite: MATH M03

Corequisite: MATH M15

Class Hours: 1 lecture

Provides additional discussion and problem solving as supplements to the core material of MATH M15. May review history of mathematics and provide opportunities to use computer in solving problems. Only offered credit/no-credit. May be taken two (2) times for credit. *Applies to Associate Degree.*

MATH M16A -- 3 Units**Applied Calculus I**

Prerequisites: MATH M05 or MATH M07 or equivalent skills measured by college assessment process; students need scientific calculator
Class Hours: 3 lecture

Reviews college algebra and then studies limits, continuity and differentiation. Applies differential calculus to problems in business, economics, social and biological sciences. Introduces anti-differentiation. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with MATH M25A. CAN: MATH 30, MATH SEQ D (MATH M16A+M16B).*

MATH M16B -- 3 Units**Applied Calculus II**

Prerequisite: MATH M16A or MATH M25A

Class Hours: 3 lecture

Includes integration, elementary and separable differential equations, functions of several variables, partial derivatives, relative maxima and minima, Lagrange multipliers, method of least squares, double integrals, infinite series, Taylor Approximation, and Newton's method. Applies calculus to problems in business, economics, and social and biological sciences. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with MATH M25B. CAN: MATH 32, MATH SEQ D (MATH M16A+M16B).*

MATH M20 -- 3 Units**Introduction to Numerical Methods**

Prerequisite: MATH M16A or MATH M25A

Recommended Preparation: High level computer programming class or familiarity with graphic calculator
Class Hours: 3 lecture

Covers error analysis; power series calculation of functions; roots of equations; non-linear simultaneous equations, matrices, determinants; linear simultaneous equations; numerical integration; and interpolation and curve fitting. Provides practical computer applications. *Applies to Associate Degree. Transfer credit: CSU; UC*

**MATH M22 A/B -- 0.5 to 3 Units Each
Independent Studies in Mathematics**

Prerequisite: A previous course in Mathematics

Class Hours: 0.5 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of mathematics through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MATH M25A -- 5 Units**Calculus with Analytic Geometry I**

Prerequisites: MATH M05 and MATH M06 or MATH M07

Class Hours: 5 lecture

Reviews college algebra, the real number system, elements of analytic geometry and functions; limits, continuity, differentiation and integration of algebraic functions with applications; differentiation and integration of elementary transcendental functions with applications; and solutions of first order, separable differential equations with applications. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with MATH M16A. CAN: MATH 18, MATH SEQ A (MATH 25A+25B); SEQ B (MATH M25A + M25B + M25C).*

MATH M25AS -- 1 Unit**Calculus with Analytic Geometry I Discussion Session**

Prerequisites: MATH M05 and MATH M06 or MATH M07

Corequisite: MATH M25A

Class Hours: 1 lecture

Reviews problems pertinent to material covered in Calculus. May include reading, writing, and using computer to solve calculus problems. Only offered credit/no-credit. May be taken two (2) times for credit. *Applies to Associate Degree.*

MATH M25B -- 5 Units**Calculus with Analytic Geometry II**

Prerequisite: MATH M25A or MATH M16B

Class Hours: 5 lecture

Covers differentiation and integration of logarithmic and exponential functions; inverse trigonometric and hyperbolic functions; techniques of integration; improper integrals and L'Hospital's Rule; sequences, series, and Taylor's Theorem; and analytical geometry including conic sections, translations, rotations, and applications of integration and differentiation. *Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with MATH M16B. CAN: MATH 20, MATH SEQ A (MATH M25A + M25B), SEQ B (MATH M25A + M25B + M25C)*

MATH M25BS -- 1 Unit**Calculus with Analytic Geometry II Discussion Session**

Prerequisite: MATH M25A or MATH M16B

Corequisite: MATH M25B

Class Hours: 1 lecture

Provides additional discussion and problem solving as supplements to the core material of MATH M25B. May review history of mathematics and provide opportunities to use computer in solving problems. Only offered credit/no-credit. May be taken two (2) times for credit. *Applies to Associate Degree.*

MATH M25C -- 5 Units**Calculus with Analytic Geometry III**

Prerequisite: MATH M25B

Class Hours: 5 lecture

Covers vectors in plane and in three dimensional space, dot and cross products, spherical and cylindrical functions of several variables, partial differentiation, gradients, Lagrange multipliers, multiple integrals and their applications, vector calculus with line and surface integrals, Green's Stokes, and Divergence Theorems and applications. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MATH 22, MATH SEQ B (MATH M25A + M25B + M25C).*

MATH M30 -- 3 Units**Introduction to Modern Algebra**

Prerequisite: MATH M25B

Class Hours: 3 lecture

Introduces logic and proofs, set theory, relations and mappings, properties of integers, and algebraic structures. *Applies to Associate Degree. Transfer credit: CSU; UC*

MATH M31 -- 3 Units**Introduction to Linear Algebra**

Prerequisite: MATH M25B

Class Hours: 3 lecture

Includes vectors, vector spaces, matrices, systems of linear equations, dimension, determinants, eigen values, and linear transformations. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MATH 26*

MATH M21 - Discrete Mathematics
CSU; UC pending

MATH M33 -- 3 Units

Introduction to Analysis

Prerequisite: MATH M25C

Class Hours: 3 lecture

Studies elements of real analysis and set theory, emphasizing thorough understanding of the basic concepts of set theory, algebra and topology of real numbers, limits, and continuity. *Applies to Associate Degree.*

Transfer credit: CSU; UC

MATH M35 -- 3 Units

Applied Differential Equations

Prerequisite: MATH M25B

Class Hours: 3 lecture

Studies such items as linear differential equations, equations with constant coefficients, parameter variations, systems of linear equations, first order differential equations, and existence and uniqueness of solutions. Emphasizes applications to physics and engineering as well as an introduction to Fourier series and partial differential equations. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MATH 24*

MATH M80 -- 1 to 4 Units

Internship in Math

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

MATH M89A-Z -- 0.5 to 3 Units Each

Institutes in Mathematics

Prerequisites: To be determined

Class Hours: As arranged

Series of special lectures and discussions on selected topics of interest in mathematics. Provided as needed. Only offered credit/ no-credit. *Applies to Associate Degree.*

MICROBIOLOGY

See courses in Biological Sciences

MULTIMEDIA

This program is an interdisciplinary program that will connect students across a wide range of disciplines that includes business, art, graphic design, programming, performing arts, journalism, music, radio, and television. With the development of software/hardware technology that can display motion graphics and the realization of a graphical user interface for the Internet, millions of people all over the globe are regular users of a medium that is earning billions of dollars annually.

Career Opportunities

Producer, Business/Marketing Specialist, Project Director, Interactive Writers, General Creative Director, Entertainment/Education-Specialist, Game Designer/Writer, Fine Arts Specialists, Graphic Artists for computer/web-based applications, Animator, Video & Film Producer, Sound Designer, Technicians, General Technical Director, Software Engineer, Web Programmer, Web Master

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

John Gray

Part-Time

Dan Restuccio

Counselors

Denice Avila, Don Henderson

■ Multimedia Certificate Program

Required Courses (Core Course):		Units
MM M01	Introduction to Multimedia	3
MM M02	Visual Design for Multimedia	3
MM M03	Audio & Motion Graphics for Multimedia	3
MM M04	Multimedia Design	3
MM M05	Multimedia Production	3
MM M06	Multimedia Entrepreneurship	3
MM M80	Multimedia Internship	1-4
TOTAL Units Required		19

Visual Design Certificate

Multimedia Core Required	18
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Additional Required Courses:

ART M12A	Drawing and Composition	3
ART M04A	Color and Design	3
PHOT M01A	Beginning Photography	3
TOTAL Units		34

Visual Design Certificate Electives

(Student must complete at least 6 units from the following):

ART M13A	Life Drawing	3
ART M01C	Art History	3
GR M31	Graphic Design 1	2
GR M32	Graphic Design 2	2
GR M34	Lettering and Typography	2
GR M40	Beginning Illustration	3

WWW Design Certificate

Multimedia Core Required	19
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Additional Required Courses:

ART M12A	Drawing and Composition	3
ART M4A	Color and Design	3

WWW Design Certificate Electives

(Student must complete at least 6 units from the following):

CIS M50	Intro. to Local Area Networks (LAN)	3
CIS M52	Intro. to Microsoft Windows NT Workstation Server	3
CIS M60C	Internet & WWW I	1
CIS M60D	Web Page Design w/HTML	1
CS M03	Intro to Computer Hardware & Systems Software	3
CS M10A	Intro. to Programming with C	3
CS M10AL	Intro. to Programming with C Lab	1
CS M10B	Object Oriented Programming using C++	3
CS M10BL	Object-Oriented Programming Laboratory C++	1
CS M10J	Java Fundamentals	3
CS M10JL	Java Fundamentals Lab	1
TOTAL Units		36

Multimedia Business Certificate

Multimedia Core Required 19

Additional Required Courses:

BUS M01 Preparation for Accounting 3
 BUS M32 Small Business Management 3
 BUS M31 Introduction to Management 3
 BUS M33 Business Law 3

or
 BUS M34 Legal Environment of Business 3
 BUS M37 Marketing 3

TOTAL Units **34**

Multimedia Communications Certificate

Multimedia Core Required 19

Additional Required Courses:

JOUR M01 Media and Society 3
 HUM M04 Main Currents in Modern Film 3
 SPCH M1 Introduction to Speech 3
 RT M05 Radio Television Script Writing 3

Multimedia Communications Certificate Electives

(Student must complete at least 6 units from the following):

THA M01 Introduction to the Theatre 3
 DANC M12A Modern Dance 3
 GR M20 Macintosh & IBM Operating Systems
 for Graphics 2
 GR M23 Intro. to Computer Graphics (Macintosh) 3
 PHOT M01A Beginning Photography 3
 RT M02A TV Studio Operations 3
 RT M02B Electronic Field Production/Post Production 3
 RT M07A Radio Production Workshop 3

TOTAL Units **37**

Multimedia Broadcast Certificate

Multimedia Core Required 19

Additional Required Courses:

RT M01 Media and Society 3
 RT M02A TV Studio Operations 3
 RT M02B Electronic Field Production/
 Post Production 3
 RT M07A Radio Production Workshop 3
 RT M05 Radio Television Script Writing 3
 RT M03A Television Production Workshop 3

TOTAL Units **37**

Multimedia Animation Certificate

Multimedia Core Required 19

Additional Required Courses:

ART M12A Drawing and Composition 3
 ART M04A Color and Design 3
 PHOT M01A Beginning Photography 3
 THA M09 Acting for Film and TV 3
 DANC M12A Modern Dance I-Fundamentals 1.5
 DANC M12B Modern Dance II-Fundamentals 1.5
 DRFT M20 3D Modeling (Computer Animation) 3
 DRFT M21 Technical Animation (Computer
 Animation) 3

TOTAL Units **40**

Multimedia Courses

MM M01 – 3 Units

Introduction to Multimedia

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Explores multimedia industry, including the commercial, artistic, and technical aspects of development teams, occupational opportunities, new directions in multimedia, required competencies, and evaluation of multimedia's and visual literacy's influence on culture. Includes non-linear writing. *Applies to Associate Degree. Transfer credit: CSU*

MM M02 – 3 Units

Visual Design for Multimedia

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces principles of design, including line, shape/form, space, size/scale, texture/pattern, orientation, light, volume, perspective, typography and color. Applies principles in a series of progressive projects. Develops aesthetic and artistic abilities using traditional and computer art tools. *Applies to Associate Degree. Transfer credit: CSU*

MM M03 – 3 Units

Audio and Motion Graphics for Multimedia

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces fundamentals of audio and video production. Includes creating, editing or retooling existing sound and video files for multimedia projects as well as providing camera work, lighting, sound development, editing and storyboarding for interactive media. Requires multimedia presentations. *Applies to Associate Degree. Transfer credit: CSU*

MM M04 – 3 Units

Multimedia Design

Prerequisites: MM M01, MM M02 and MM M03

Class Hours: 2 lecture, 3 lab

First course in two-course sequence (with MM M05). Writing intensive. Emphasizes collaborative work to design full-scale, multimedia product such as an online tutorial, interactive game or informative kiosk program. Builds on established skills, moving from concept formation to formative evaluation as part of a teacher-guided production team. Mimics real-world project, requiring ideas, story boards, prospect reports, scripts, appropriate research and rapid prototypes. *Applies to Associate Degree. Transfer credit: CSU*

MM M05 – 3 Units

Multimedia Production

Prerequisite: MM M04

Class Hours: 2 lecture, 3 lab

Second course in two-course sequence (with MM M04). Writing intensive. Emphasizes collaborative work to produce full-scale, multimedia product previously designed as part of production team. Builds on existing work, production and evaluation. Considers delivery platforms and media requirements, including documentation and/or instruction manuals. *Applies to Associate Degree. Transfer credit: CSU*

MM M06 – 3 Units

Multimedia Entrepreneurship

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces entrepreneurial opportunities and flexible careers in multimedia industry. Covers how to contact and communicate with prospective clients, design and develop a resume/portfolio and cover letter, and prepare and use project schedules for multimedia production/applications. Emphasizes effective oral communication as well as written in various forms (hard copy, disk-based, and online). *Applies to Associate Degree. Transfer credit: CSU*

MM M60A-Z – 0.5 to 1 Unit Each

Topics in Multimedia

Prerequisite: A previous college course in discipline

Corequisite: To be determined

Class Hours: 0.5 to 3 lab as arranged for the 2-4 weeks

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUSIC

The Moorpark College Music Department offers a wide variety of classes designed for both the aspiring professional musician who wishes to continue studies at the university level, and the knowledgeable amateur eager to understand and appreciate the important role music occupies in this society.

Career Opportunities

Accompanist, Arranger/Orchestrator, Church Musician, Copyist, Editor, Instructor/Tutor/Coach, Librettist/Lyricist, Performer, Publisher, Salesperson, Composer (studio, religious, educational, classical concert), Conductor/Music Director, Instrument Repair Person, Librarian (public, university, radio/TV), Musicologist/Researcher, Music Business Administrator, Public Relations/Agent, Radio Announcer/Disc Jockey

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

Orbie Ingersoll, Dolly E. Kessner, James J. Song, James Stemen, Joan Thompson

Part-Time

Marilyn Anderson, William Benson, Nancy Bonds, Ronald Borczon, Bonnie Boss, Stephen Custer, Mona DeCesare, Edward Demmond, Edward Francis, Diane Gilbert, Diana Goodman, Suzanne Julian, Sandra Kipp, Michael Kozubek, Carol Lancaster, John Paton

Counselor

Don Henderson

Music Degree

Associate in Arts Degree

This program is designed for the students interested in specializing in music education leading to transfer to most universities and/or a professional career in music.

Required Courses for all specialization areas:	Units
MUS M02A..... Diatonic Harmony	3
MUS M02AL..... Aural Skills I	2
MUS M02B..... Chromatic Harmony	3
MUS M02BL..... Aural Skills II	2
MUS M02C..... Musical Analysis	3
MUS M02CL..... Aural Skills III	2
MUS M02D..... Counterpoint	3
MUS M02DL..... Aural Skills IV	2
MUS M25C/D..... Class Piano (taken twice)	1.5/1.5
MUS M29..... Repertoire (taken twice)	1/1
MUS M30..... Applied Music (taken twice)	2.5/2.5
TOTAL Minimum Units	40

In addition to the required core, choose one area of specialization.

Instrumental Music Specialization

Required Courses 30

Required Additional Courses:

Choose one (1) ensemble class *each* semester, totaling 8 units:

MUS M15..... Moorpark Community Orchestra	2
MUS M18..... Jazz Ensemble	2
MUS M19..... Chamber Ensembles	2
MUS M21..... Wind Ensemble	2

Choose two units of Music Electives:

MUS M14..... Fundamentals of Instrumental Technique	2
MUS M25A/B..... Class Piano	1.5/1.5

TOTAL minimum units required in major area 40

Keyboard Music Specialization

Required Courses 30

Required Additional Courses:

Choose one (1) ensemble class *each* semester, totaling 8 units:

MUS M19..... Chamber Ensembles	2
MUS M20..... Piano Ensemble	2

Choose two units of Music Electives:

MUS M25A/B..... Class Piano	1.5/1.5
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TOTAL minimum units required in major area 40

Music Theory & Composition Specialization

Required Courses 30

Required Additional Courses:

Choose one (1) ensemble class *each* semester, totaling 8 units, according to your instrumental and/or vocal specialization.

Choose two units of Music Electives:

MUS M14..... Fundamentals of Instrumental Technique	2
MUS M25A/B..... Class Piano	1.5/1.5

TOTAL minimum units required in major area 40

Vocal Music Specialization

Required Courses 30

Required Additional Courses:

Choose one (1) ensemble class *each* semester, totaling 8 units:

MUS M10..... Concert Choir	2
MUS M16..... Opera Theatre	2
MUS M17..... Summer Music Theatre	2
MUS M60D..... Los Robles Master Chorale	2

Choose two units of Music Electives:

MUS M13A/B..... Fundamentals of Vocal Technique	2/2
MUS M13C/D..... Advanced Vocal Technique	2/2

MUS M25A/B..... Class Piano 1.5/1.5

TOTAL minimum units required in major area 40

See Degree Requirements and Transfer Information section for General Education requirements.

Music Certificate

Certificate of Achievement

This program is designed to provide the student with the basic training, knowledge and conducting skills necessary for accepting a position as a church or community choral director.

Required Courses for all options: Units

MUS M02A..... Diatonic Harmony	3
MUS M02B..... Chromatic Harmony	3
MUS M02AL..... Aural Skills I	2
MUS M09A..... Music History and Literature	3

Select one of the following options:

Choral Conducting Option

Required Courses:	Units
MUS M10 Concert Choir	2
MUS M13A/B Fundamentals of Vocal Technique I-II	2/2
MUS M25A/B Class Piano	1.5/1.5
MUS M27 Choral Conducting	2
MUS M60D Los Robles Master Chorale	2
MUS M60E Choral Conducting Seminar	3
TOTAL minimum units required	29

Instrumental Conducting Option

Required Courses:	
MUS M02BL Aural Skills II	1
MUS M09B Music History and Literature	3
MUS M19 Chamber Ensembles	2
MUS M21 Wind Ensemble	2
MUS M22A/B Independent Studies in Music	1/1
MUS M25A/B Class Piano	1.5/1.5
MUS M28 Instrumental Conducting	2
TOTAL minimum units required	30

Vocal Performance Option

Required Courses:	
MUS M02BL Aural Skills II	1
MUS M10 Concert Choir	2
MUS M13A/B Fundamentals of Vocal Technique I-II	2/2
MUS M13C/D Advanced Vocal Development I-II	2/2
MUS M16 Opera Theatre	2
MUS M25A/B Class Piano	1.5/1.5
TOTAL minimum units required	31

Music Courses

MUS M01 -- 3 Units

Fundamentals of Music

Prerequisite: None

Class Hours: 3 lecture

Introduces music theory, notation, intervals, scales, triads, sight singing, and dictation for those with little or no musical experience. *Applies to Associate Degree. Transfer credit: CSU; UC* (No credit for MUS M01 if taken after MUS M02A).

MUS M02A -- 3 Units

Diatonic Harmony

Prerequisite: MUS M01 or consent of instructor

Corequisite: MUS M02AL

Class Hours: 3 lecture

Studies diatonic harmonic vocabulary, four-part chorale writing and voice leading, figured bass, harmonic progression, melodic invention and harmonization and non-harmonic tones. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M02AL -- 2 Units

Aural Skills I

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Includes sight-singing, as well as rhythmic, melodic, and diatonic harmonic dictation to correlate to harmonic vocabulary of MUS M02A. Makes extensive use of Music Learning Center. May be taken two (2) times for credit. *Formerly MUS 3A. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MUS 2.*

MUS M02B -- 3 Units

Chromatic Harmony

Prerequisite: MUS M02A

Corequisite: MUS M02BL

Class Hours: 3 lecture

Emphasizes pivot-chord modulation. Studies chromatic harmonic vocabulary, foreign-key modulation, keyboard and instrumental styles, and composition. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MUS 4.*

MUS M02BL -- 2 Units

Aural Skills II

Prerequisite: MUS M02AL

Corequisite: MUS M02B

Class Hours: 1 lecture, 3 lab

Practices sight-singing as well as rhythmic, melodic, diatonic, and chromatic harmonic dictation to correlate to harmonic vocabulary. Makes extensive use of Music Learning Center. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M02C -- 3 Units

Musical Analysis

Prerequisite: MUS M02B

Corequisite: MUS M02CL

Class Hours: 3 lecture

Analyzes musical form and harmonic problems while surveying musical literature from the Baroque to the 20th century. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M02CL -- 2 Units

Aural Skills III

Prerequisite: MUS M02BL

Corequisite: MUS M02C

Class Hours: 1 lecture, 3 lab

Emphasizes individualized work in Music Learning Center. Includes complex drill in all areas of musicianship. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M02D -- 3 Units

Tonal Counterpoint

Prerequisite: MUS M02B

Corequisite: MUS M02DL

Class Hours: 3 lecture

Introduces analysis and composition of 18th century contrapuntal forms in the style of J.S. Bach. Requires composition of a two-part invention and a three-part fugue. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M02DL -- 2 Units

Aural Skills IV

Prerequisite: MUS M02BL

Corequisite: MUS M02D

Class Hours: 1 lecture, 3 lab

Further expands individualized work in Music Learning Center. Continues complex drills in all areas of musicianship. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M06 -- 3 Units

Introduction to Jazz

Prerequisite: None

Class Hours: 3 lecture

Introduces development of jazz, emphasizing influence of historical and socioeconomic factors. Includes stylistic analysis of jazz and its musical elements. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M04 - CSU; UC pending

MUS M04H - CSU; UC pending

MUS M08 -- 3 Units**Music Appreciation**

Prerequisite: None

Class Hours: 3 lecture

Introduces history of music, emphasizing understanding and enjoyment. Investigates basic elements of music, including structure of musical compositions as well as orchestral instrumentation. Focuses on styles, characteristics and composers representative of historic periods. Uses directed listening. Not recommended for Music majors. *Applies to Associate Degree. Transfer credit: CSU; UC.*

MUS M09A -- 3 Units**Music History and Literature**

Prerequisite: None

Class Hours: 3 lecture

Explores musical activity, influences, and contributions of Greek and Roman civilizations. Traces development of music of Western world from Romanesque period to Baroque, including major composers as well as instrumental and vocal forms of each period. Requires listening to, identifying, and analyzing representative works of each period. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M09B -- 3 Units**Music History and Literature**

Prerequisite: None

Class Hours: 3 lecture

Studies changing styles, techniques, and forms of music from the middle of the 18th century to the present, emphasizing artistic philosophy of each period. Analyzes style and form of representative works. Requires listening and analysis outside of classroom. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M10 -- 2 Units**Concert Choir**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Singing organization. Teaches choral music selected from the Renaissance, Baroque, Classical, Romantic, and Modern Periods. Includes performing in on-campus concerts, high school assembly programs, community college choral festivals, and other community events. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M12 -- 2 Units**Vocal Ensemble**

Prerequisite: Audition

Class Hours: 1 lecture, 3 lab

This select group of singers studies and performs suitable choral music from all periods. Spring Ensemble specializes in performance of Renaissance music, including English and Italian madrigals, French chansons, German Lieder, and sacred motets. Known as the Renaissance Singers, the ensemble appears in English Tudor costumes and makes numerous appearances at concerts, festivals, assembly programs, Renaissance Pleasure Faires, and other community events. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M13A -- 2 Units**Fundamentals of Vocal Technique I**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Begins development of vocal potential to correct faulty singing and to lay foundation for proper vocal production. Emphasizes vocal exercises as well as material sung in Italian, English and German. Designed for both majors and non-majors. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M13B -- 2 Units**Fundamentals of Vocal Technique II**

Prerequisite: MUS M13A or adequate prior study

Class Hours: 1 lecture, 3 lab

Expands vocal development through advanced vocal exercises and the introduction of advanced material, including art songs, opera and oratorio literature. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M13C -- 2 Units**Advanced Vocal Development I**

Prerequisite: MUS M13B

Class Hours: 1 lecture, 3 lab

Continues development of a proper vocal production. Includes English, Italian, German, French art songs and more demanding opera and oratorio literature. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M13D -- 2 Units**Advanced Vocal Development II**

Prerequisite: MUS M13C

Class Hours: 1 lecture, 3 lab

Further expands vocal development through study and performance. Includes more challenging material, emphasizing operatic and oratorio literature as well as more difficult art songs. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M14 -- 2 Units**Fundamentals of Instrumental Technique**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Introduces basic techniques and proper maintenance of orchestral instruments. Focuses on musical vocabulary, emphasizing effective participation in an ensemble. Successful course completion may lead to membership in college orchestra and/or concert ensembles. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M15 -- 2 Units**Moorpark Community Orchestra**Prerequisites: Ability to read music and proficiency on orchestral instrument

Class Hours: 1 lecture, 3 lab

Moorpark Community Orchestra provides rehearsals and public performances for instrumentalists. Focuses on standard orchestral repertoire, ranging from chamber music to symphonies covering Renaissance to modern periods. Requires performances. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M16 -- 2 Units**Opera Theatre**

Prerequisite: MUS M13C

Class Hours: 1 lecture, 3 lab

Introduces song literature from musical theatre, focusing on the study and performance of operas and musicals in excerpt or as complete productions. Designed for singers with proven ability and interest in drama. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M17 -- 3 Units**Summer Music Theatre**

Prerequisite: Audition

Class Hours: 144 lab total

Prepares complete musical theatre work from rehearsal to community performance. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M18 -- 2 Units**Jazz Ensemble**

Prerequisite: Ability to play a musical instrument appropriate to Jazz Ensemble (piano, percussion, sax, trumpet, guitar, bass guitar, or electronic instruments)

Class Hours: 1 lecture, 3 lab

Requires reading, preparing and performing music arranged for jazz ensemble and big band. Includes rehearsal for and performance at scheduled concerts. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M19 -- 2 Units**Chamber Ensembles**

Prerequisite: Ability to play a musical instrument and to read music notation

Class Hours: 1 lecture, 3 lab

Requires study, rehearsal and performance of chamber music literature from Renaissance to the 20th century. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M20 -- 2 Units**Piano Ensemble**

Prerequisite: MUS M25B or equivalent training

Class Hours: 1 lecture, 3 lab

Covers piano literature for one piano/four hands and for two pianos/four hands. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M21 -- 2 Units**Wind Ensemble**

Prerequisite: Ability to perform on a standard band instrument

Class Hours: 1 lecture, 3 lab

Provides rehearsals and public performances for wind and percussion instrumentalists, focusing on a standard wind ensemble and symphonic band repertoire. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M22A/B – 1 to 3 Units Each**Independent Studies in Music**

Prerequisite: A previous course in Music

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of music through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M25A -- 1.5 Units**Class Piano**

Prerequisite: None

Class Hours: 3 lecture/lab

Introduces fundamentals of piano playing, music reading, technique, improvisation, scales, chords, and simple piano literature. Requires little or no prior piano experience. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN MUS 22.*

MUS M25B -- 1.5 Units**Class Piano**

Prerequisite: MUS M5A

Class Hours: 3 lecture/lab

Enhances music reading and technique skills, exploring chords and scales. Focuses on greater independence of hands, *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: MUS 24*

MUS M25C -- 1.5 Units**Class Piano**

Prerequisite: MUS M5B

Class Hours: 3 lecture/lab

Continues emphasis on greater independence of hands as well as music reading and technique skills. Includes overview and study of "teaching" pieces of important composers. *Applies to Associate Degree. Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M25D -- 1.5 Units**Class Piano**

Prerequisite: MUS M05C

Class Hours: 3 lecture/lab

Continues emphasis on greater independence of hands as well as music reading and technique skills. Includes overview and study of intermediate to advanced pieces of major composers. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M26 -- 2 Units**Beginning Jazz Piano**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Introduces acoustical or electronic piano from a jazz approach. Focuses on jazz keyboard patterns, including blues or boogie-woogie, ragtime, rock, gospel, and country western. Emphasizes both sight reading skills and playing by ear. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M27 -- 2 Units**Choral Conducting**

Prerequisite: None

Class Hours: 2 lecture, 1 lab

Introduces basic conducting techniques, including the 2/4, 3/4, 4/4, 6/8, 3/8, 2/8 and subdivided beat patterns. Includes perusal of video recording to assist learning. Provides live and prepared cassette recordings for conducting practice. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M28 -- 2 Units**Instrumental Conducting**

Prerequisite: MUS M1

Class Hours: 1 lecture, 3 lab

Studies basic conducting techniques of various instrumental organizations, exploring instrumental literature as well as style, performance and interpretation. May be taken two (2) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M29 -- 1 Unit**Repertoire Class**

Prerequisite: Acceptance into MUS M30

Corequisite: MUS M30

Class Hours: 1 lecture

Requires performance of musical literature studied in Mus M30 or M31. Provides critique by instructor and class. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M30A-G -- 2.5 to 3 Units Each**Applied Music Instruction - Woodwind/Brass/Strings/Piano/Classical Guitar/Percussion/Voice**

Prerequisite: Performance at college level to be accepted into Mus 30 Applied Music Program. Audition based on repertoire standards published by Music Department.

Corequisites: 1) Repertoire Class - MUS M29; 2) Music Theory - MUS M02A, M02B, M02C, or M02D; M03) Performance Ensemble - MUS M10, M15, M16, M18, M19, M20, M21, M60D, M60G, M60P, or M60V

Class Hours: 0.5 to 1 lecture, 6 lab

Provides individual instruction through private lesson (half-hour or hour as arranged). Requires six hours of on campus practice per week. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M32 -- 2 Units**Class Guitar**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Introduces basic skills required to play simple melodies and first position chords on both acoustic and electric guitars. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

MUS M60A-Z -- 1 to 3 Units Each**Topics in Music**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:**MUS M60A -- 2 Units****Intermediate Orchestral Techniques**

Prerequisite: MUS M15

Class Hours: 1 lecture, 3 lab

Emphasizes rehearsal disciplines and responsibilities (bowing, fingering, and dynamics). May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60B -- 3 Units**Intermediate Studies in Music Theory**

Prerequisite: MUS M02A

Class Hours: 3 lecture

Emphasizes special intermediate studies in music theory and analysis. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60C -- 3 Units**Advanced Studies in Music Theory**

Prerequisites: MUS M02A and MUS M02B

Class Hours: 3 lecture

Offers advanced study in harmonic analysis, counterpoint, and form. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60D -- 2 Units**Los Robles Master Chorale**

Prerequisite: Audition

Class Hours: 1 lecture, 3 lab

Performance group designed for experienced singer. Emphasizes choral works of master composers from the Renaissance, Baroque, Classic, Romantic, and Modern Periods that are suitable for the large ensemble. Requires audition and performances. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60E -- 3 Units**Choral Conducting Seminar**

Prerequisite: MUS M27 or equivalent experience

Class Hours: 3 lecture

Addresses problems facing the choral director. Focuses on understanding the historical background of choral conducting, the director's role as interpreter, the selection of appropriate choral materials, the stylistic differences of choral music from various periods, the efficient use of rehearsal techniques, and of conducting the performance. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60F -- 2 Units**Advanced Orchestral Techniques**

Prerequisite: MUS M60A

Class Hours: 1 lecture, 3 lab

Emphasizes interpretation of rhythm and phrasing. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60G -- 2 Units**Advanced Chamber Music**

Prerequisite: MUS M19

Class Hours: 1 lecture, 3 lab

Continues instruction in the performance of small ensemble instrumental music. Studies graded literature for various instrumental combinations for rehearsal and performance. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60J -- 2 Units**Intermediate Jazz Performance**

Prerequisite: MUS M18

Class Hours: 4 lecture/lab

Emphasizes improvisational techniques as well as rehearsal disciplines and responsibilities (i.e., fingerings, dynamics, ensemble techniques, various jazz styles, etc.). Requires rehearsal for and performance at scheduled concerts. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60K -- 2 Units**Advanced Jazz Performance**

Prerequisite: MUS M60J

Class Hours: 4 lecture/lab

Further emphasizes jazz performance styles as well as rehearsal disciplines and responsibilities. Requires rehearsal for and performance at scheduled concerts. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60P -- 2 Units**Advanced Choral Performance**

Prerequisite: Audition

Class Hours: 1 lecture, 3 lab

Requires strong note-reading abilities and voice skills. Includes performance of advanced choral literature. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60T -- 2 Units**Masterworks Abroad**

Prerequisite: Audition

Class Hours: 6 lab

Combines preparatory rehearsals on campus with concert performances, seminars, lectures, and related cultural activities on tour abroad. Designed for experienced singers. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M60V -- 2 Units**Advanced Concert Choir**

Prerequisites: Satisfactory completion of MUS M10 and MUS M60P or equivalent work; audition required

Class Hours: 1 lecture, 3 lab

Choral organization. Focuses on refinement of choral singing, emphasizing intonation, tonal quality, tonal blend and balance, textual articulation, interpretation, and stage presence. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

MUS M80 -- 1 to 4 Units**Internship in Music**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

NURSING SCIENCE

See courses in Health Sciences

NUTRITIONAL SCIENCE

The nutritional science program is designed to meet the needs of all health conscious persons. The program particularly addresses itself to those aspiring to careers in health and fitness related professions and teaching and to those interested in promoting personal wellness. For some, this program may lead to entry into the dietetics/nutrition program at a four-year college or university.

Career Opportunities

Most careers require bachelors or graduate degree.

Diet Aide, Diet Program Lecturer, Dietitian/Nutritionist, Food Services Manager, Community Nutrition Advisor

Dean

Al Nordquist, Phone (805) 378-1457

Faculty

Full-Time

Judy Alexander

Part-Time

Linda Vickers, Diane Woods

Counselors

Letrisha Mai, Ofelia Romero-Motlagh, Danita R. Redd

Nutritional Science Courses

NTS M01 -- 3 Units**Nutrition**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces nutrients as well as their sources, assimilation, functions and requirements. Includes evaluation of current national and international problems with nutritional information presented in mass media. *NTS formerly NIS. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with NTS M03 and PHSO M02. CAN: H-EC 2*

NTS M03 -- 3 Units**Current Issues in Nutrition**

Prerequisite: NTS M1

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Focuses on contemporary nutrition concerns, including nutrition and stress, body image, wellness, nutrient supplements, energy balance and eating disorders. Includes review of career options in health care fields. *NTS formerly NIS. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed -- one course if combined with NTS M01 and PHSO M02.*

NTS M04 -- 3 Units**Nutrition, Fitness and Stress Management**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Offers integrated approach to good health and physical fitness. Applies basic principles of exercise, nutrition and human behavior to topics such as weight control, heart disease and stress management. Emphasizes habits and techniques of healthy life style. *NTS formerly NIS. Applies to Associate Degree. Transfer credit: CSU, the pending*

NTS M05 -- 3 Units**Nutrition for the Health Professions**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Applies nutrition principles to common medical disorders. Includes techniques for evaluating nutritional status and promoting optimal nutrition. *NTS formerly NIS. Applies to Associate Degree. Transfer credit: CSU*

NTS M22A/B -- 1 to 3 Units Each**Independent Studies in Nutritional Science**

Prerequisite: A previous course in Nutritional Science

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of nutritional science through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *NTS formerly NIS. Applies to Associate Degree. Transfer credit: CSU.*

NTS M80 -- 1 to 4 Units**Internship in Nutritional Science**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *NTS formerly NIS. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

**NTS M89A-Z -- 0.5 to 3 Units Each
Institutes in Nutritional Science**

Prerequisite: None

Class Hours: As arranged

Special series of short courses focusing on particular aspects of Nutritional Science not covered in general offerings. Provides opportunity for specialized study. Only offered credit/no-credit. *NTS formerly NIS. Applies to Associate Degree.*

OFFICE SKILLS

See courses in Computer Information Systems

PARENTING

See courses in Child Development

PERSONAL GROWTH/ LEADERSHIP

Student Personnel Services provides two types of classroom instruction: personal growth classes emphasizing career development and personal self-help course work and leadership classes aimed at encouraging involvement in student government.

Dean

Ed Tennen, Phone (805) 378-1447

Faculty**Full-Time**

Denice Avila, Frank Bianchino, Chuck Brinkman, Donald Henderson, Edna Ingram, Mike Johnson, Letrisha Mai, Olivia Menchaca, Donna Proske Allyn, Danita R. Redd, Ofelia Romero-Motlagh

Part-Time

Barbara Braid, Gail Goodman, Mary Martin, Michael Orenstein

Leadership Courses**LDR M01 -- 1 Unit****Principles of Leadership I**

Prerequisite: None

Class Hours: 1 lecture, 1 practicum as arranged

Introduces basic tenets of parliamentary procedure. Requires application of parliamentary procedure in the group situation. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

LDR M02 -- 2 Units**Principles of Leadership II**

Prerequisite: None

Class Hours: 2 lecture

Expands review of parliamentary procedure, emphasizing such topics as problem solving, affirmative action, cultural diversity, argumentation and debate, shared governance, ethics, and the legislative process. Introduces business management techniques and use of computers. Includes guest speakers from campus and community. Only offered credit/no-credit. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU*

LDR M89A -- 1 Unit**Student Government Leadership**

Prerequisite: None

Class Hours: 16 lecture total

Develops leadership skills helpful when serving as officer in student government or student activities program. Requires some campus involvement. Only offered credit/no-credit. *Applies to Associate Degree. Transfer credit: CSU*

Personal Growth Courses**PG M01 -- 1 Unit****Student Success**

Prerequisite: None

Class Hours: 2 lecture for 8 weeks

Emphasizes techniques, attitudes and skills that promote academic success. Includes individualized needs assessment and introduction to campus resources. Focuses on overcoming typical obstacles by improving time and stress management, avoiding procrastination, setting goals, understanding addiction problems, and building successful relationships. *Applies to Associate Degree. Transfer credit: CSU*

PG M02 -- 3 Units**Career Development**

Prerequisite: None

Class Hours: 3 lecture

Introduces self-assessment techniques and instruments that help identify interests and skills needed to set educational goals and explore career options. Reviews decision-making strategies, labor market trends, interviewing skills, resume writing, and application completion and job search techniques. *Applies to Associate Degree. Transfer credit: CSU*

PG M02A -- 1.5 Units**Career Development -- Choosing a Major**

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

First half of PG M02. Introduces self-assessment techniques and instruments designed to establish realistic academic goals. Explores career research to determine major. Reviews labor market trends and decision-making strategies. (PG M02A and M02B equals PG M02). *Applies to Associate Degree. Transfer credit: CSU (PG M02A + M02B)*

PG M02B -- 1.5 Units**Career Development -- Job Search**

Prerequisite: None

Class Hours: 3 lecture for 8 weeks

Second half of PG M02. Reviews traditional job search methods. Requires practice of interview skills through role-playing and production of resume and cover letter. Emphasizes job search as a pro-active self-marketing process. (PG M02A and M02B = PG M02). *Applies to Associate Degree. Transfer credit: CSU (PG M02A + M02B)*

PG M03 -- 0.5 Unit**Orientation**

Prerequisite: None

Class Hours: 5 lecture total

This Testing, Orientation, Planning Program (TOP) involves assessments and materials that assist students with placement decisions. Introduces College's programs and services. Includes assistance from counselors with educational planning and may include viewing of the Moorpark College Orientation video. Encourages attendance at Counseling Workshop in area of interest. Only offered credit/no-credit. *Applies to Associate Degree.*

PG M04 -- 1 Unit**Student Development in Higher Education**

Prerequisite: None

Recommended Preparation: PG M03

Class Hours: 2 lecture for 8 weeks

Extends introduction of College's services, programs, and technological resources, emphasizing student development, lifelong learning and meeting academic requirements. Introduces the role of higher education in life as well as study skills, learning styles, problem solving techniques, decision-making models, time management tools, and values clarification techniques. Explores individual long-term educational goals by developing Student Education Plan (SEP). *Applies to Associate Degree. Transfer credit: CSU*

PG M60A-Z -- 1 to 3 Units Each**Topics in Personal Growth**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. Only offered credit/no-credit. *Does not apply toward a degree.*

Developed topics include:**PG M60A -- 1 Unit****Confident Test Taking**

Prerequisite: None

Class Hours: 16 lecture total

Introduces problem-solving approaches and relaxation techniques to apply during test situations. Develops positive self-image while taking tests. May be taken four (4) times for credit. *Does not apply toward a degree.*

PHILOSOPHY

The study of philosophy provides students with the unique opportunity to carefully analyze and thoughtfully respond to the fundamental ideas and basic concerns present in the human experience. It requires the constructive re-experiencing of these problems and doubts in one's own life. The goal is to examine ourselves, our culture, and our world with the aims of criticizing and contributing toward a reformation of self and world. The program also develops analytical, critical writing skills that are an excellent preparation for professional and other careers.

Career Opportunities

Most careers require bachelors or graduate degree.

Social Worker, Lawyer, Public Administrator, Urban Planner, Management Trainer, Project Director

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Full-Time

Janice Daurio, Victor Fontaine, Elton Hall

Part-Time

Jerold Caplan, Ron Mc Camy, Mark Pursley, Michael Rosenthal, Henry Talifer, Doug Thiel

Counselors

Mike Johnson, Mary Martin

Philosophy Degree

Associate in Arts Degree

For required courses consult the Dean's office at (805) 378-1445.

Philosophy Courses

PHIL M01 -- 3 Units**Introduction to Philosophy**

Prerequisite: None

Class Hours: 3 lecture

Systematically explores the concepts of knowledge, reality, and value, including review of epistemology, metaphysics, ethics, aesthetics, political philosophy, and philosophy of religion. Introduces idealism, realism, skepticism, materialism, and relativism. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: PHIL 2*

PHIL M02 -- 3 Units**Values and Society**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces philosophy of ethics by exploring basic questions: What is good? What is right? How should I live? What are my obligations to others? Are morals relative? Does free will exist? Reviews ideas and arguments of philosophers concerning these and related issues. Encourages individual application of ideas presented. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: PHIL 4*

PHIL M03 -- 3 Units**Social and Political Philosophy**

Prerequisite: None

Class Hours: 3 lecture

Introduces philosophical foundations of social and political thought. Emphasizes view of people when following individual rules, as group members within social roles, and as participants in legal relationships within political institutions. Demonstrates importance of philosophical assumptions about such collective human nature by clarifying differences and connections between these perspectives. *Applies to Associate Degree. Transfer credit: CSU; UC*

PHIL M04 -- 3 Units**Values and the Environment**

Prerequisite: None

Class Hours: 3 lecture

Introduces ethics by exploring basic questions about the environment and its nonhuman inhabitants: Do animals have rights? Do humans have obligations to nonhuman entities, including earth? Explores anthropocentrism, ecocentrism, ecofeminism and multicultural perspectives of humankind and nature. Reviews ideas and arguments of philosophers concerning these and related issues. Encourages individual application of ideas presented. *Applies to Associate Degree. Transfer credit: CSU; UC*

PHIL M05 -- 3 Units**Critical Thinking and Analytic Writing**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces critical reasoning, including analysis and synthesis, induction and deduction, and identification of assumptions and perspectives. Emphasizes oral and written analysis and argumentation, clarifying fact, belief and value and identifying and avoiding common fallacies of thought, logic and language. Expands development of critical reading, analytic writing and the relation of writing to critical thinking beyond level achieved in ENGL M01A. *Applies to Associate Degree. Transfer credit: CSU; UC*

PHIL M06 -- 3 Units**Introduction to Non-Western Philosophy**

Prerequisite: None

Class Hours: 3 lecture

Systematically explores concepts of human knowledge, reality and thought as found in non-western traditions. Examines theoretical and practical concepts, including issues of free will, skepticism, dogmatism, materialism, epistemology, metaphysics and aesthetics. Directly corresponds to introduction provided by PHIL M01 but with a non-western emphasis. *Applies to Associate Degree. Transfer credit: CSU; UC*

PHIL M07 -- 3 Units**Introduction to Logic**

Prerequisite: None

Class Hours: 3 lecture

Explores deductive and inductive thought processes, emphasizing definition, verification, validity, forms of argument and of fallacious reasoning, and application of various areas of inquiry. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: PHIL 6*

PHIL M09 -- 3 Units**Symbolic Logic**

Prerequisite: None

Class Hours: 3 lecture

Introduces symbolic logic, including the logic of connectives and quantifiers. Includes truth functional composition, consistency trees, derivations, and quantifications. *Applies to Associate Degree. Transfer credit: CSU; UC*

PHIL M10 -- 3 Units**Mythology**

Prerequisite: None

Recommended Preparation: ENGL M01A

Class Hours: 3 lecture

Explores nature and content of various mythologies, including Greek and Roman, Egyptian and Scandinavian as well as surveys of Middle Eastern and Indian mythology and the myths of archaic peoples. Examines theories of myth and mythic discourse, highlighting use of myth in literature, art and society. Discusses use of myth and mythic language in contemporary thought. *Applies to Associate Degree. CSU; UC*

PHIL M11 -- 3 Units**Survey of World Religions: West**

Prerequisite: None

Class Hours: 3 lecture

Systematically introduces major ideas of the world's western religious traditions, including Judaism, Christianity and Islam. Explores cultural and historical contexts in which each religion arose as well as recent offshoots of these traditions. Views each religion from standpoint of its proponents. Emphasizes main similarities and differences exhibited within these traditions. *Applies to Associate Degree. Transfer credit: CSU; UC*

PHIL M12 -- 3 Units**Survey of World Religions: East**

Prerequisite: None

Class Hours: 3 lecture

Systematically introduces major ideas of the world's eastern religious traditions, including Hinduism, Zoroastrianism, Buddhism, Jainism, Sikhism, Taoism, Confucianism and Shinto. Explores cultural and historical contexts in which these religions arose. Views each religion from the standpoint of its proponents. Emphasizes main similarities and differences exhibited within these traditions. *Applies to Associate Degree. Transfer credit: CSU; UC*

PHIL M13 -- 3 Units**The Classical Mind**

Prerequisite: None

Recommended Preparation: ENGL M01A

Class Hours: 3 lecture

Surveys ancient and medieval philosophy up to the Renaissance, emphasizing the development of central philosophical themes. *Applies to Associate Degree. Transfer credit: CSU; UC pending.*

PHIL M14 -- 3 Units**The Modern Mind**

Prerequisite: None

Recommended Preparation: ENGL M01A

Class Hours: 3 lecture

Surveys modern philosophy since the Renaissance, emphasizing the development of themes in contemporary philosophy. *Applies to Associate Degree. Transfer credit: CSU; UC pending.*

PHIL M17 -- 3 Units**Health Care Ethics**

Prerequisite: None

Class Hours: 3 lecture

Approved for continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Explores bioethical health care issues and implications from societal, institutional, individual and clinical perspectives. Provides legal foundation for analyzing and resolving ethical problems. Reviews bioethical theories and principles, legal liability, confidentiality, ethical conflict, and moral dilemmas. (Same course as HS M17). *Applies to Associate Degree. Transfer credit: CSU (only)*

PHIL M22A/B -- 1 to 3 Units Each**Independent Studies in Philosophy**

Prerequisite: A previous course in Philosophy

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of philosophy through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

PHIL M60A-Z -- 0.5 to 3 Units Each**Topics in Philosophy**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:

**PHIL M60A -- 1 Unit
Philosophy of Nonviolence**

Prerequisite: None
Class Hours: 1 lecture

Explores theory and practice of nonviolence as both a political strategy and a philosophical approach to life. Reviews classical and contemporary texts, including works by Gandhi, Camus, and Thoreau. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

**PHIL M80 -- 1 to 4 Units
Internship in Philosophy**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. Applies to Associate Degree. *Transfer credit: CSU, credit limitations.*

PHIL M95 - Honors in ³ ~~CSU; UC~~

PHOTOGRAPHY

A comprehensive program designed to provide professional job skills for future photographers is the goal of this program.

Career Opportunities

Portrait Photographer, Aerial Photographer, Still Photographer, Photograph Restorer, Photograph Printer, Photojournalist, Audio-Visual Designer, Corporation Photographer, Photo Finishing Specialist, Slide Program Producer/Director, Fine Art Photographer, Editorial Photographer

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

John Grzywacz-Gray

Part-Time

Amani Fliers, James Parker

Counselor

Don Henderson

Photography Degree (Occupational)

Associate in Science Degree

This program is designed for students to acquire the skills necessary to enter the very competitive profession of photography. Instruction in both black and white and color photography along with the latest equipment mastery is provided.

Required Courses:

	Units
ART M04A Color and Design	3
PHOT M01A Beginning Photography	3
PHOT M01B Intermediate Photography	3
PHOT M02 History of Photography	3
PHOT M03 Basic Color	3
PHOT M04 Advanced Photography	3
PHOT M05 Color Printing	3
PHOT M08 Basic Photo-Journalism	3
TOTAL minimum units required in major area	24

Recommended Courses:

ART M01A, M01B, M04B, M12A, M12B; HUM M03

See Degree Requirements and Transfer Information section for General Education requirements.

Photo-Journalism Degree (Occupational)

Associate in Science Degree

This program is designed for the student seeking a professional career in newspaper or magazine photography. Students completing this program will be prepared for entry-level photography positions on newspapers, magazines or as free-lance photographers.

Required Courses:

	Units
JOUR M01 Media and Society	3
JOUR M02 News Reporting and Writing	3
PHOT M01A Beginning Photography	3
PHOT M01B Intermediate Photography	3
PHOT M02 History of Photography	3
PHOT M03 Basic Color	3
PHOT M04 Advanced Photography	3
PHOT M08 Basic Photo-Journalism	3
PHOT M09 "Reporter" Staff Photography	4
TOTAL minimum units required in major area	28

See Degree Requirements and Transfer Information section for General Education requirements.

Certificate of Achievement in Photography

ART M04A Color and Design	3
ART M01C Art History	3
PHOT M01A Beginning Photography	3
PHOT M01B Intermediate Photography	3
PHOT M02 History of Photography	3
PHOT M03 Basic Color	3
PHOT M04 Advanced Photography	3
PHOT M08 Basic Photo-Journalism	3
GRD M30 Introduction to Computer Graphics	3
PHOT M60I Electronic and Digital Photography	3
TOTAL units required	30

Certificate of Achievement in Photojournalism

JOUR M01	Media and Society	3
JOUR M02	News Reporting and Writing	3
PHOT M01A	Beginning Photography	3
PHOT M01B	Intermediate Photography	3
PHOT M03	Basic Color	3
PHOT M04	Advanced Photography	3
GRD M30	Introduction to Computer Graphics	3
PHOT M60I	Electronic and Digital Photography	3
PHOT M09	"Reporter" Staff Photography	4
TOTAL units required		28

Photography Courses

**PHOT M01A -- 3 Units
Beginning Photography**

Prerequisites: None
 Class Hours: 2 lecture, 3 lab
 Explores photography as a means of creative expression. Introduces photographic theory, including camera operation, exposure, developing and printing. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: ART 18*

**PHOT M01B -- 3 Units
Intermediate Photography**

Prerequisite: PHOT M01A or suitable portfolio
 Class Hours: 2 lecture, 3 lab
 Explores variety of traditional techniques in black and white, including high contrast images, solarization, posterization, gum bichromate printing and cyanotypes. Reviews film sensitivity testing, developer density parameters, paper and paper developer characteristics, archival processing, the use of medium format cameras, and introduction to the view camera. Emphasizes creativity. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU; UC*

**PHOT M02 -- 3 Units
History of Photography**

Prerequisites: None
 Class Hours: 3 lecture
 Surveys history of photography from Daguerre to contemporary images. Explores genres and theories begun in past but which intensify and clarify current work. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU; UC*

**PHOT M03 -- 3 Units
Basic Color**

Prerequisite: PHOT M01B or suitable portfolio
 Class Hours: 2 lecture, 3 lab
 Introduces principles of color photography. Develops expressive visual statement. Reviews processing of transparency materials, emphasizing creative special effects achieved through unique lighting, films and camera techniques. Encourages experimentation. May be taken two (2) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU*

**PHOT M04 -- 3 Units
Advanced Photography**

Prerequisite: PHOT M03 or suitable portfolio
 Class Hours: 2 lecture, 3 lab
 Refines technical and aesthetic understanding in black and white and/or color photography. Includes zone system, basic densitometry, expansion and compaction development, the view camera, artificial light technique, and portfolio development. Intensifies personal statement through major individual projects. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU*

**PHOT M05 -- 3 Units
Color Printing**

Prerequisite: PHOT M03 or suitable portfolio
 Class Hours: 2 lecture, 3 lab
 Introduces "Type C" printing techniques. Explores special effects, includes multiple printing, diffusion, distortion control and exaggeration, combination printing, high contrast, solarization, and posterization. Requires printing from color negative. May be taken two (2) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU* **PHOT M06 - CSU**

**PHOT M08 -- 3 Units
Basic Photo-Journalism**

Prerequisite: PHOT M01A or suitable portfolio
 Class Hours: 2 lecture, 3 lab
 Introduces aspects of photography applicable to mass communication as well as broadcast and print journalism. Concentrates on translating ideas to images for reproduction in magazines and newspapers and as book illustrations. Includes special effects, use of camera and light as creative tools, and basic motion picture techniques. May be taken two (2) times for credit. (Same course as JOUR M08). *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU*

**PHOT M09 -- 4 Units
"Reporter" Staff Photography**

Prerequisite: PHOT M08 or suitable portfolio
 Class Hours: 1 lecture, 9 lab
 Introduces campus newspaper photographers to all phases of press photography: news, feature, illustration, portraiture, sports, and advertising. Uses aesthetic and technical skill to communicate visually. May be taken two (2) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU*

**PHOT M22A/B -- 1 to 3 Units Each
Independent Studies in Photography**

Prerequisite: A previous course in Photography
 Class Hours: 1 to 3 as arranged
 Allows an independent project (approved by instructor and dean) to expand knowledge of photography through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU.*

**PHOT M60A-Z -- 1 to 3 Units Each
Topics in Photography**

Prerequisite: To be determined
 Class Hours: To be determined
 Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *PHOT formerly PHOTO.*

Developed topics include:

**PHOT M60A -- 1 Unit
Field Studies in Photography**

Prerequisites: None
 Class Hours: 0.5 lecture, 1.5 lab
 Concentrates on solving photographic problems of specific location, working in either black and white or color. May be taken four (4) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree.*

**PHOT M60B -- 2 Units
Field Studies in Photography**

Prerequisites: None
 Class Hours: 1 lecture, 3 lab
 Concentrates on solving photographic problems of specific location, working in either black and white or color. May be taken four (4) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree.*

M60C -- 3 Units

Field Studies in Photography

Prerequisites: None

Class Hours: 1 lecture, 6 lab

Concentrates on solving photographic problems of specific location, working in either black and white or color. May be taken four (4) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree.*

PHOT M60D -- 1 Unit

Laboratory Practice

Prerequisites: None

Class Hours: 0.5 lecture, 1.5 lab

Offers instructor-supervised lab work for beginning, intermediate and advanced students. May be taken four (4) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree.*

PHOT M60E -- 2 Units

Laboratory Practice

Prerequisites: None

Class Hours: 0.5 lecture, 4.5 lab

Offers instructor-supervised lab work for beginning, intermediate and advanced students. May be taken four (4) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree.*

PHOT M60F -- 3 Units

Laboratory Practice

Prerequisites: None

Class Hours: 1 lecture, 6 lab

Offers instructor-supervised lab work for beginning, intermediate and advanced students. May be taken four (4) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree.*

PHOT M60I -- 3 Units

Electronic and Digital Photography

Prerequisite: Course in the discipline

Class Hours: 2 lecture, 3 lab

Introduces electronic photography and image processing on the Macintosh computer, using silver halide films, electronic still cameras and various scanning techniques to produce photographic output. May be taken two (2) times for credit. (Same course as GR M27) Formerly GRD 60E. *PHOT formerly PHOTO. Applies to Associate Degree.*

PHOT M80 -- 1 to 4 Units

Internship in Photography

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *PHOT formerly PHOTO. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

PHYSICAL EDUCATION

Physical Education classes offer students an opportunity to enrich their education with emphasis on improved individual physical well-being as well as professional career options.

Career Opportunities

Associate Degree Level

Athlete, Recreation Specialist, Camp Counselor, Community Center Leader, Playground Director, Recreation Leader, Referee, Industrial Recreation Leader, Racquet Club Manager, Fitness Specialist

Bachelors Degree Level

Athletic Trainer, Teacher, Pre-Physical Therapist, Corrective Therapist, Exercise Test Technologist, Sportscaster, Coach, Resort Sports Coordinator, Health and Safety Director, YM/YWCA Instructor, Sports Editor, Therapist, Recruiter

Dean

Al Nordquist, Phone (805) 378-1446

Faculty

Full-Time

James Bittner, Donald Green, Ronald Halleran, John Keever, MoDean McCullough, Gilbert Mendoza, Delbert Parker, Sherry Ruter, Nancy Stewart, Willard Thurston

Part-Time

Gary Abraham, David Banuelos, Steven Berk, James W. Bittner, Stephen Burkhart, Howard Davis, Leslie Daily, Charlene Dow, Arthur Green, Paul Keysaw, Everett Macy, Pauletta Matsui, Remy McCarthy, Katheine Dewet-Oleson, Eldin Onsgard, Mario Porto, Paul Steele, Kate Templeton, Kenneth Wagner

Counselor

Donna Proske Allyn

Human Performance Degree

Associate in Arts Degree

This pre professional "core" program is designed to prepare students for transfer to bachelor degree programs in Physical Education, Physical Therapy, Athletic Training, Coaching and Fitness Management.

Required Courses:

	Units
PE 90	Introduction to Human Performance 2
PE M91	Foundations of Fitness 3
HED M01	Health and Society 2
HED M05	Safety and First Aid 3
HED M06	Prevention and Care of Athletic Injuries 3
PSY M01X	Introduction to Psychology 3
ANAT M01	General Anatomy 4
PHYS M01	Human Physiology 5
NTS M01	Nutrition 3
PE Activities (3)*	4.5

(one from each team, individual and cardiovascular lists):

TOTAL minimum units required in major area 32.5

See Degree Requirements and Transfer Information section for General Education requirements.

TEAM

PE M23C/D – Baseball; PE M24C/D - Basketball;
PE M25C/D – Football; PE M27C/D - Soccer;
PE M28C/D – Softball; PE M29C/D - Track;
PE M30A/C/D – Volleyball

(College athletics in any area will be included)

INDIVIDUAL

PE M2B - Free Weights; PE M06 - Golf;
PE M08 - Power Lifting; PE M11 - Tennis
PE M38 – Wrestling; Any Dance activity class

deleted
TOPICS here not GR?

CARDIOVASCULAR

PE M01A – Walking; PE M03A - Running
PE M04 – Aerobics; PE M07 - Step-Aerobics

Physical Education Courses

An Associate Degree requires one or more PE/Dance activity classes for a minimum of 1.5 units total. *Any combination of P.E. activity courses of a particular kind (e.g., body conditioning, golf, tennis, etc.) may be taken a total of four (4) times.*

Students planning to take more than 4 units of Physical Education activity courses should consult a counselor. The California State University (CSU) system accepts all PE. courses for comparable semester credit, but the University of California (UC) system will only accept a total of four (4) units of credit.*

Individual Sports Activities**PE M01A -- 1 to 1.5 Units****Walking for Fitness**

Prerequisite: None

Class Hours: 8 - 13 total lecture, 24 - 40 total activity

Provides exercise and fitness training, emphasizing cardiovascular conditioning to improve muscle tone. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M02A – 0.5 to 1.5 Units**Body Conditioning/Fitness Lab**

Prerequisite: None

Class Hours: 4.5 to 0.5 lecture total; 16 to 42 activity as arranged

Emphasizes cardiovascular fitness, strength, muscle endurance and flexibility. Allows individual scheduling of required lab hours. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M02B -- 1 to 1.5 Units**Body Conditioning/Free Weights**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces overall body conditioning. Emphasizes improving the cardiovascular system, enhancing flexibility, and increasing muscular strength. Includes jogging, stretching, and specific free weight exercises. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M03A -- 1 to 1.5 Units**Running for Fitness and Conditioning**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Emphasizes improved physical health and cardiovascular fitness through running and overall conditioning. Includes endurance training with a gradual increase in distance. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M03B -- 1 to 1.5 Units**Sprinting for Fitness and Conditioning**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Uses sprinting to improve physical fitness and general health. Emphasizes maximum speed performance and enhanced cardiovascular efficiency. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M04 -- 1 to 1.5 Units**Body Conditioning through Rhythmics/Aerobics**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces series of simple but vigorous dances that improve circulation, respiration, digestion, agility, flexibility, coordination and rhythm as well as endurance and strength. Includes supervised practice. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M05 -- 1.5 Units**Bowling**

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Introduces rules, etiquette, safety and techniques of bowling. Meets off campus. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M06A -- 1 to 1.5 Units**Beginning Golf**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces basic rules and skills needed for playing golf. Includes development of skills and analysis of technique. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M06C -- 1 to 1.5 Units**Intermediate Golf**

Prerequisite: PE M06A

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Expands golfing skills through more extensive review of techniques and increased practice. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M06D -- 1 to 1.5 Units**Advanced Golf**

Prerequisite: PE M06C

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Studies bio-mechanical principles of golf as preparation for golf competition. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M07 -- 1 to 1.5 Unit**Step-Aerobics**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops proficiency in step-aerobic skills and improved cardiovascular efficiency. Works every major muscle group in the lower body while strengthening and conditioning the upper body. Uses adjustable step platform to accommodate varying fitness and impact levels. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M08 -- 1 to 1.5 Units**Power Lifting/Free Weights**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces weight training and conditioning to build strength, power, and bulk. Focuses on the development of upper body strength, rehabilitation and strengthening of knee joints, and refinement of power lifting for the lower body. Emphasizes quickness, coordination, balance and speed through competitive drills and routines. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M09 -- 1 to 1.5 Units**Racquetball**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 - 40 activity total.

Emphasizes fundamentals of racquetball, including game rules, proper use and purchase of equipment, court etiquette, and safety. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M11A -- 1 to 1.5 Units**Beginning Tennis I**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces beginning tennis skills, including etiquette, rules, and basic techniques. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M10 - 1-1.5
Shaping & Toning
CSU; UC pending

PE M11C -- 1 to 1.5 Units**Intermediate Tennis**

Prerequisite: PE M11A

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Expands strategies, rules and techniques of tennis, emphasizing both singles and doubles play. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M11D -- 1 to 1.5 Units****Advanced Tennis**

Prerequisite: PE M11C

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Expands experienced player's individual techniques. Reviews rules and strategies for both singles and doubles play. Emphasizes tournament play. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M12 - EXTREME AEROBIC MIX 1-1.5**
CSU; UC* pending**PE M13 - 2 Units****Hiking and Backpacking**

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Uses lecture, field study and experience to introduce sport of hiking and backpacking. Covers conditioning, skills, information and resources. Emphasizes safety procedures. Requires field trips. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M14 - 2 Units****Pep Squad**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Provides training and practice techniques necessary to be a cheerleader. *Applies to Associate Degree. CSU (only)***PE M22A/B -- 1 to 3 Units Each****Independent Studies in Physical Education**

Prerequisite: A previous course in Physical Education

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of physical education through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.***PE M15 - Kick Boxing 1-1.5**
CSU; UC* pending**Team Sports****PE M21 -- 1 to 1.5 Units****Field Hockey**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces fundamentals of field hockey, including individual skills (passing, receiving, and dribbling) as well as offensive and defensive tactics and team strategy. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M23C -- 1 to 1.5 Units****Intermediate Baseball**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops intermediate techniques and strategies for baseball. Emphasizes skills levels for use in games. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M23D -- 1 to 1.5 Units****Advanced Baseball**

Prerequisite: PE M23C

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops advanced skills in baseball, emphasizing methods and styles of play. Requires participation in fall baseball program. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M24C -- 1 to 1.5 Units****Intermediate Basketball**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops intermediate techniques and strategies in basketball. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M24D -- 1 to 1.5 Units****Advanced Basketball**

Prerequisite: PE M24C or varsity high school experience

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces advanced skills and techniques in basketball. Uses game experience to develop different styles and formats of play. Develops cardiovascular fitness. *Applies to Associate Degree. Transfer credit: CSU; UC** **PE 25A - CSU; UC*****PE M25C -- 1 to 1.5 Units****Intermediate Football**

Prerequisite: None

Class Hours: 8 - 9 lecture total; 24 - 45 activity total

Develops advanced skills in football. Introduces theory behind different styles of play. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M25D -- 1 to 1.5 Units****Advanced Football**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 - 45 activity total

Introduces advanced techniques, emphasizing both the offensive and defensive passing game. Includes conditioning and speed improvement. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M26 -- 1 to 1.5 Units****Team Sports**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces basic rules, techniques and strategies of various seasonal team sports, including soccer, softball, football and basketball. Provides practice in each sport. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M27A -- 1 to 1.5 Units****Beginning Soccer**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops skills, rules, techniques and strategies of soccer. Requires participation. Co-educational. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M27C -- 1 to 1.5 Units****Intermediate Soccer**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops intermediate skills and strategies of soccer. Requires participation. Co-educational. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M27D -- 1 to 1.5 Units**Advanced Soccer**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops advanced skills and strategies. Requires participation. Co-educational. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M28A -- 1 to 1.5 Units****Beginning Softball**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces the basic skills and strategies of fast-pitch softball. Requires participation. Co-educational. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M28C -- 1 to 1.5 Units****Intermediate Softball**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops intermediate skills and strategies of fast-pitch softball. Requires participation. Co-educational. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M28D -- 1 - 1.5 Units****Advanced Softball**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Develops advanced skills and strategies. Requires participation. Co-educational. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M29C -- 1 to 1.5 Units****Intermediate Track**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces intermediate techniques and strategies in track and field. Prepares for a competitive season, emphasizing skills needed for proficiency. Required of varsity track candidates. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M29D -- 1 to 1.5 Units****Advanced Track**

Prerequisite: PE M29C

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Practices advanced skills and strategies of track and field for a competitive season. Required of all varsity track candidates. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M30A -- 1 to 1.5 Units****Beginning Volleyball I**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces basic rules and techniques of power volleyball. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M30C -- 1 to 1.5 Units****Intermediate Volleyball**

Prerequisite: PE M30A

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Practices the fundamental skills and strategies of volleyball, allowing two and three-player games. Requires participation. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M30D -- 1 to 1.5 Units****Advanced Volleyball**

Prerequisite: PE M30C

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Continues skills development for the advanced player, allowing two and three-player volleyball. Requires participation. *Applies to Associate Degree. Transfer credit: CSU; UC****Combatives/Self-Defense****PE M36A -- 2 Units****Analysis of Sexual Assault and Self-Defense**

Prerequisite: None

Class Hours: 2 lecture, 1 activity

Reviews issues of personal assault and rape, reviewing readings and physical responses. Introduces self-defense techniques. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M38 -- 1 to 1.5 Units****Wrestling**

Prerequisite: None

Class Hours: 8 to 13 lecture total; 24 to 40 activity total

Introduces the basic skills of wrestling, including takedowns, rides, escapes and falls. *Applies to Associate Degree. Transfer credit: CSU; UC****Intercollegiate Athletics**

(Passing a physical exam required for participation)

PE M64 -- 3 Units**Soccer-Men**

Prerequisite: None

Recommended Preparation: Understanding of soccer skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M65 -- 3 Units****Soccer-Women**

Prerequisite: None

Recommended Preparation: Understanding of soccer skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M66 -- 3 Units****Baseball-Men**

Prerequisite: None

Recommended Preparation: Understanding of baseball skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M62 - Golf - Women 3**
*CSU, UC pending**

PE M67 -- 3 Units**Basketball-Men**

Prerequisite: None

Recommended Preparation: Understanding of basketball skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M68 -- 3 Units****Basketball-Women**

Prerequisite: None

Recommended Preparation: Understanding of basketball skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M69 -- 3 Units****Cross Country-Men**

Prerequisite: None

Recommended Preparation: Understanding of cross country skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M70 -- 3 Units****Cross Country-Women**

Prerequisite: None

Recommended Preparation: Understanding of cross country skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M71 -- 3 Units****Football-Men**

Prerequisite: None

Recommended Preparation: Understanding of football skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M72 -- 3 Units****Golf — Men**

Prerequisite: None

Recommended Preparation: Understanding of golf skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M73 -- 3 Units****Softball-Women**

Prerequisite: None

Recommended Preparation: Understanding of softball skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M74 -- 3 Units****Tennis-Men**

Prerequisite: None

Recommended Preparation: Understanding of tennis skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M75 -- 3 Units****Tennis-Women**

Prerequisite: None

Recommended Preparation: Understanding of tennis skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M76 -- 3 Units****Track-Men**

Prerequisite: None

Recommended Preparation: Understanding of track skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M77 -- 3 Units****Track-Women**

Prerequisite: None

Recommended Preparation: Understanding of track skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC****PE M78 -- 3 Units****Volleyball-Women**

Prerequisite: None

Recommended Preparation: Understanding of volleyball skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity

Highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC**

PE M79 -- 3 Units**Wrestling-Men**

Prerequisite: None

Recommended Preparation: Understanding of wrestling skills, rules, and strategies.

Class Hours: 1 lecture, 9 activity highly competitive. Requires advanced skills, travel, and competition against other institutions. Demands time beyond normal load. May be taken three (3) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC.***PE M80 -- 1 to 4 Units****Internship in Physical Education**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.***Instructional****PE M90 -- 2 Units****Introduction to Human Performance and Physical Education**

Prerequisite: None

Class Hours: 2 lecture

Introduces aims, objectives and contemporary issues of Physical Education and Human Performance. Requires projects and fieldwork. Does NOT fulfill general education PE requirement. *Applies to Associate Degree. Transfer credit: CSU, UC.***PE M91 -- 3 Units****Foundations of Fitness**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces physiological principles and other factors for the development and maintenance of optimal physical fitness. Requires observation and assistance in campus Fitness Laboratory. Does NOT fulfill general education PE requirement. *Applies to Associate Degree. Transfer credit: CSU, UC****Adaptive****PE M20 -- 1.5 Units****Adapted Physical Education**

Prerequisite: None

Class Hours: 1 lecture, 2 activity

Meets special needs of students unable to participate in regular physical education activity classes. Provides individualized adapted fitness program. Requires evaluation by college physician to determine appropriate physical activity for each participant. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, UC****PHYSICAL SCIENCE**

The major in Physical Science is designed to prepare students for a diversity of professions requiring an understanding of the fundamentals of the physical sciences. Such professions include teaching science at the secondary level, technical administration in government and industry, legal work with patents, scientific librarianship, and scientific journalism.

Career Opportunities**Most careers require bachelors or graduate degree.**

Astronomer, Teacher, Patent Lawyer, Oceanographer

Dean

Floyd Martin, Phone (805) 378-1459

Faculty**Full-Time**

Clinton Harper, Ron Wallingford

Part - Time

Paul Coleman

Counselors

Letrisha Mai, Danita R. Redd

Physical Science Courses**PHSC M01 -- 3 Units****Principles of Physical Science**

Prerequisite: MATH M03

Class Hours: 3 lecture

Introduces facts, principles and laws from physics and chemistry. Includes motion, force, energy, wave motion, electricity and magnetism, light, atomic structure, chemical bonding and chemical reaction rates, and equilibrium. *PHSC formerly PhySc. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations -- no credit if taken after a college course in Astronomy, Chemistry, Geology or Physics***PHSC M01L -- 1 Unit****Principles of Physical Science Laboratory**

Prerequisite: Completion of or concurrent enrollment in PHSC M01

Class Hours: 3 lab

Provides hands-on experience with fundamental concepts from physics and chemistry. *PHSC formerly PhySc. Applies to Associate Degree. Transfer credit: CSU; UC***PHSC M22A/B -- 0.5 to 3 Units Each****Independent Studies in Physical Science**

Prerequisite: A previous course in Physical Science

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of physical science through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *PHSC formerly PhySc. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

PHSC M80 -- 1 to 4 Units**Internship in Physical Science**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *PHSC formerly PhysSc. Applies to Associate Degree.*
Transfer credit: CSU, credit limitations.

PHYSICS

The strong emphasis in physics on fundamental concepts and problem solving makes it one of the most versatile majors available. The Physics major provides the basis for careers in applied physics and in interdisciplinary areas such as astronomy, biophysics, environmental science, oceanography, and scientific instrumentation

Career Opportunities

Most careers require bachelors or graduate degree.

Laser Specialist, Seismologist, Researcher, Oceanographer, Geochemist, Weather Forecaster, Astronomer, Medical Technologist, Biomedical Engineer, Plasma Physicist, Fusion Engineer, Nuclear Physicist, Physical Chemist, Statistician, Chemical Physicist

Dean

Floyd Martin, Phone (805) 378-1459

Faculty

Full-Time

Balazs Becht, Clinton Harper, Fred Meyer, Ron Wallingford

Part-Time

Sheri Azar, Paul Coleman, Hadi Darejeh, Philip Klutch, Youssef Kohanzadeh, Joseph McNeil

Counselors

Edna Ingram, Letrisha Mai, Danita R. Redd

Physics Degree

Associate in Science Degree

This program is designed to award a designated associate degree to those students who have completed a course of specialization in Physics. These requirements were chosen by faculty to optimize students' preparation for upper-division course work for Bachelor of Science degrees in Physics offered by four-year institutions. Since the course work in physics is sequential, students may spend less time earning an Associate of Science Degree and/or Bachelor of Science Degree by deferring some of the university general education requirements until their Junior and Senior years and giving priority to the requirements for a major in physics. In addition, the earning of this degree will be evidence of achievement of technical skills that may be helpful towards the seeking of immediate employment.

Preparation for the Major:

- Mathematics – two years high school algebra plus trigonometry or MATH M03 and M07 or equivalent.
- Chemistry – one year high school chemistry or CHEM M12 or equivalent.
- Physics – one year high school physics or PHYS M10A or equivalent.

Physics students are strongly encouraged to take advantage of summer school class offerings.

Required Courses:

	Units
CHEM M01A..... General Chemistry I	6
MATH M25A..... Calculus with Analytic Geometry I	5
MATH M25B..... Calculus with Analytic Geometry II	5
MATH M25C..... Calculus with Analytic Geometry III	5
PHYS M20A/20AL... Mechanics of Solids and Fluids/Lab	5
PHYS M20B/20BL .. Electricity and Magnetism/Lab	5
PHYS M20C/20CL .. Wave Motion, Heat, Optics & Modern Physics/Lab ...	5

Select one of the following options:

Physics Option

Core plus the following:

CHEM M01B..... General Chemistry II	6
MATH M35..... Applied Differential Equations	3

Recommended Courses: CS M18/M18L; MATH M31

Applied Physics Option

Core plus the following:

CS M10/M10L..... Intro to Computer Science/Pascal/Lab	4
CS M18/M18L..... Computer Programming - FORTRAN/Lab	4
ENGR M12..... Engineering Materials	3
MATH M35..... Applied Differential Equations	3

Recommended Courses: CHEM M1B; MATH M31

Electro-Optics Option

Core plus the following:

CHEM M01B..... General Chemistry II	6
ET M10..... Introduction to Lasers and Fiber Optics	2
MATH M31..... Introduction to Linear Algebra.....	3
MATH M35..... Applied Differential Equations	3

Recommended Courses: CS M10/M10L; ENGR M20/M20L

TOTAL minimum units required in major area 45-50

Suggested Course Sequence:

Physics Option

First Semester

CHEM M01A.....	6
MATH M25A.....	5
Total	11

Second Semester

CHEM M01B.....	6
MATH M25B.....	5
PHYS M20A/M20AL.....	5
Total	16

Third Semester

MATH M25C.....	5
PHYS M20B/M20BL.....	5
Total	10

Fourth Semester

MATH M35.....	3
PHYS M20C/M20CL.....	5
Total	8

Physics

Applied Physics Option

First Semester

CHEM M01A	6
MATH M25A	5
Total	11

Second Semester

CS M10/M10L	4
MATH M25B	5
PHYS M20A/M20AL	5
Total	14

Third Semester

ENGR M12	3
MATH M25C	5
PHYS M20B/M20BL	5
Total	13

Fourth Semester

CS M18/M18L	4
MATH M35	3
PHYS M20C/M20CL	5
Total	12

Electro-Optics Option

First Semester

CHEM M01A	6
MATH M25A	5
Total	11

Second Semester

CHEM M01B	6
MATH M25B	5
PHYS M20A/M20AL	5
Total	16

Third Semester

ET M10	2
MATH M25C	5
MATH M31	3
PHYS M20B/M20BL	5
Total	15

Fourth Semester

MATH M35	3
PHYS M20C/M20CL	5
Total	8

See Degree Requirements and Transfer Information section for General Education requirements.

Physics Courses

PHYS M01 -- 3 Units

Descriptive Physics

Prerequisites: None

Class Hours: 3 lecture

Introduces basic concepts of physics, using everyday examples. Includes classical mechanics; properties of matter, heat, sound, electricity and magnetism; light, atomic and nuclear physics; relativity; and astrophysics. Designed for non-science majors. Requires little math. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC.* (No credit if taken after PH M10A or PH M20A.)

PHYS M01L -- 1 Unit

Descriptive Physics Laboratory

Prerequisite: Completion of or concurrent in enrollment in PHYS M01
Class Hours: 3 lab

Provides hands-on experience with elements of classical and modern physics for non-science majors. Covers mechanics, electricity and wave motion as well as heat, light, and atomic and nuclear physics. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC*

PHYS M05 -- 3 Units

Radiation Physics

Prerequisite: MATH M01

Corequisite: PHYS M05L

Class Hours: 3 lecture

Introduces mechanics, electricity, magnetism and atomic physics, emphasizing fundamentals of x-ray production. Primarily designed for Radiologic Technology majors. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU*

PHYS M05L -- 1 Unit

Radiation Physics Laboratory

Prerequisite: MATH M01

Corequisite: PHYS M05

Class Hours: 3 lab

Provides hands-on experience applying principles of mechanics, electricity, and magnetism as well as atomic and x-ray physics. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU*

PHYS M10A -- 4 Units

General Physics I

Prerequisite: MATH M06 or MATH M07 or equivalent skills measured by college assessment process

Class Hours: 4 lecture

Introduces mechanics of solids and fluids, heat, and wave motion. Designed for non-majors who need a non-calculus physics course. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 2 (PHYS M10A + M10AL)*

PHYS M10AL -- 1 Unit

General Physics I Laboratory

Prerequisite: Concurrent enrollment in PHYS M10A

Class Hours: 3 lab

Provides hands-on experience with classical mechanics and heat and wave motion. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 2 (PHYS M10A + M10AL)*

PHYS M10B -- 4 Units

General Physics II

Prerequisite: PHYS M10A

Class Hours: 4 lecture

Introduces electricity, magnetism, optics and modern physics. Designed for non-majors, requiring non-calculus based physics course. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 4 (PHYS M10B + M10BL)*

PHYS M10BL -- 1 Unit

General Physics II Laboratory

Prerequisites: PHYS M10A/M10AL

Corequisite: PHYS M10B

Class Hours: 3 lab

Provides hands-on experience with electricity, magnetism, optics and modern physics. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 4 (PHYS M10B + M10BL)*

PHYS M20A -- 4 Units**Mechanics of Solids and Fluids**

Prerequisites: MATH M25A and PHYS M10A or one year of high school physics

Corequisite: MATH M25B

Class Hours: 4 lecture

Introduces statics and dynamics of particles and rigid bodies, hydrostatics and hydrodynamics. Designed for majors in physics, engineering, mathematics, chemistry, computer science and biology. Requires use of calculus. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 8 (PHYS M20A + M20AL), PHYS SEQ B (PHYS M20A, M20AL + M20B, M20BL + M20C, M20CL)*

PHYS M20AL -- 1 Unit**Mechanics of Solids and Fluids Laboratory**

Prerequisites: MATH M25A and PHYS M10A

Corequisites: MATH M25B, PHYS M20A

Class Hours: 3 lab

Provides hands-on experience with dynamics of particles and rigid bodies, hydrostatics, and hydrodynamics. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 8 (PHYS M20A + M20AL)*

PHYS M20B -- 4 Units**Electricity and Magnetism**

Prerequisites: MATH M25B and PHYS M20A

Corequisite: MATH M25C

Class Hours: 4 lecture

Introduces electricity, magnetism and electronic devices, emphasizing field theory. Includes electric and magnetic fields; Coulomb's Law; Gauss' Law; Faraday's Law; Amperes Law; Biot-Savart Law; Ohm's Law; and A.C. and D.C. circuits. Requires calculus applications. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 12 (PHYS M20B + M20BL), PHYS SEQ B (PHYS M20A, M20AL + M20B, M20BL + M20C, M20CL)*

PHYS M20BL -- 1 Unit**Electricity and Magnetism Laboratory**

Prerequisites: MATH M25B and PHYS M20A/M20AL

Corequisites: MATH M25C, PHYS M20B

Class Hours: 3 lab

Provides hands-on experience in field theory, emphasizing electronic measurements, A.C./D.C. circuits, and basic active analog circuits and devices. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 12 (PHYS M20B + M20BL)*

PHYS M20C -- 4 Units**Wave Motion, Heat, Optics and Modern Physics**

Prerequisites: MATH M25C and PHYS M20B

Class Hours: 4 lecture

Introduces wave motion (sound and light), physical and isometrical optics, thermodynamics, and selected topics in quantum mechanics and special relativity. Demonstrates problem solving with calculus and differential equations. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 8 (PHYS M20C + M20CL), PHYS SEQ B (PHYS M20A, M20AL + M20B, M20BL + M20C, M20CL)*

PHYS M20CL -- 1 Unit**Wave Motion, Heat, Optics and Modern Physics Laboratory**

Prerequisites: MATH M25C and PHYS M20B/M20BL

Corequisite: PHYS M20C

Class Hours: 3 lab

Provides hands-on experience with wave motion, heat, optics and modern physics. Stresses fundamental principles and use of modern lab instrumentation. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations. CAN: PHYS 8 (PHYS M20C + M20CL)*

PH M22A/B -- 0.5 to 3 Units Each**Independent Studies in Physics**

Prerequisite: A previous course in Physics

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of physics through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

PHYS M80 -- 1 to 4 Units**Internship in Physics**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *PHYS formerly PH. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

PHYSIOLOGY

See courses in Biological Sciences

POLITICAL SCIENCE

Political Science, the study of government and politics, leads to an understanding of the institutions of government and the role of citizens and leaders at every level of government.

Career Opportunities

Most careers require bachelors or graduate degree.

Government Official, Journalist, Foreign Diplomat, Teacher, Attorney, Politician

Dean

Al Nordquist, Phone (805) 378-1446

Faculty

Full-Time

Gerald Bridgeman, Robert Herman, Jack Miller

Part-Time

Craig Flanery, Greg Freeland, Luis Gomez, Rodrigo Hernandez, Donna Karno

Counselors

Mike Johnson, Ofelia Romero-Motlagh

Political Science Courses

POLS M01 -- 3 Units

Introduction to Government

Prerequisites: None

Class Hours: 3 lecture

Introduces basic concepts within political science, emphasizing American federal, state and local government and politics. Requires research and special writing topics. Designed for social and behavioral science majors. Satisfies Title V United States Constitution requirement as well as California state and local government requirement. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

POLS M02 -- 3 Units

Comparative Government

Prerequisites: None

Class Hours: 3 lecture

Examines political culture, recruitment and articulation interests, political institutions, and sources/content of public policy for various governments. Draws examples from Eastern and Western Europe and Asia as well as from pre-industrial societies. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

POLS M03 -- 3 Units

American Government and Politics

Prerequisites: None

Class Hours: 3 lecture

Introduces principles and problems of American Government and its political process, emphasizing national government. Satisfies Title V United States Constitution requirement as well as California state and local government requirement. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: GOVT 2*

POLS M04 -- 3 Units

International Relations

Prerequisites: None

Class Hours: 3 lecture

Explores relationships between sovereign units, emphasizing international organization, theoretical proposals toward and possibilities for world peace, mechanics of politics among nations, and formation of American foreign policy. Focuses on relationship between domestic and foreign politics and the cultural origins of policy. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

POLS M07 -- 3 Units

Minority Groups

Prerequisites: None

Class Hours: 3 lecture

Introduces political problems often faced by racial and ethnic minorities in the United States, emphasizing the impact and consequences of racism, discrimination and sexism. Explores political process as a vehicle for improving majority-minority relations and for maintaining social equilibrium. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

POLS M08 -- 3 Units

Political Patterns in the U.S.

Prerequisites: None

Class Hours: 3 lecture

Introduces fundamental principles of U.S. Government, focusing on the state and local government of the Southwest. Emphasizes the legislative process, political parties, pressure groups, local implementation policies and the political participation of Mexican-Americans. (Same course as Chicano Studies M08). *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

POLS M10 -- 3 Units

Public Administration and Policy Development

Prerequisite: Prior course in Social Science

Class Hours: 3 lecture

Introduces public administration, exploring the decisions, tasks, and implementations of the public bureaucracy. Reviews administrative organizations, including personnel management, budget administration, public relations and government-service careers. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU*

POLS M11 -- 3 Units

Law, Government, and Individual Rights

Prerequisites: None

Class Hours: 3 lecture

Uses Constitutional Law to analyze origins, workings, procedures, and policies of American federal and state governments. Emphasizes the judicial system as well as the privileges, rights, and obligations of individuals. Includes review of Supreme Court decisions. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC*

POLS M22A/B -- 1 to 3 Units Each

Independent Studies in Political Science

Prerequisite: A previous course in Political Science

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of political science through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

POLS M60A-Z -- 1 to 3 Units Each

Topics in Political Science

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:

POLS M60C -- 3 Units

Politics in the Middle East

Prerequisites: None

Class Hours: 3 lecture

Explores political developments and changes in the Middle East, emphasizing the Arab states, Israel, Iran and Turkey. Reviews the rich historical background of region, including cultural contributions and political conflicts before the 20th century, as well as current political processes, economic developments, and major problems. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

POLS M80 -- 1 to 4 Units

Internship in Political Science

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *POLS formerly Pol Sc. Applies to Associate Degree. Transfer credit: CSU, credit limitation.*

PSYCHOLOGY

The major in psychology provides a study of the behavior of individuals and groups in contemporary society. The graduate in this major is prepared for positions in research and teaching, counseling, and working with individuals in clinical settings. The major also provides the student with the background for graduate study in the field of psychology and related specialties.

Career Opportunities

Most careers require bachelors or graduate degree.

Psychologist, Administrative Assistant, Urban Renewal Specialist, Personnel Assistant, Social Insurance Representative, Veterans Claims Examiner, Rehabilitation Counselor, Social Service Analyst, Employee Relations Specialist, Employee Development Specialist, Recreation Specialist, Social Worker, Family Counselor, Mental Health Officer, Program Analyst, Sales Personnel, Advertising Executive, School Psychologist, Probation Officer

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Full-Time

Frank Bianchino, Judith Farrell, Carole Ginet, Lynn Meschan, Steven Pollock, Sally Ponce-O'Rourke, Carol Woodward

Part-Time

Edward Amey, Dan Baldwin, Bobbie Berg, Deena Case-Pall, Diane DeMarco, Pat Devita-Vessa, Michael Gardner, Michelle LaBrie, John Lanahan, Jennifer Nepper, Deanna Riveira, Dean Richards, Norma Runyan, Corie Skolnick

Counselors

Frank Bianchino, Mike Johnson, Mary Martin

Psychology Courses

PSY M01 -- 3 Units

Introduction to Psychology

Prerequisite: None

Class Hours: 3 lecture

Introduces the areas of history and systems, research methodology, biological bases of behavior, sensation and perception, motivation and emotion, learning and memory, cognition and intelligence, personality, stress and health psychology, behavior disorders (psychopathology) and treatments, human sexuality, life span development, and social and environmental psychology. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: PSY 2*

PSY M02 -- 3 Units

Introduction to Behavioral Neuroscience

Prerequisite: PSY M01A

Class Hours: 3 lecture

Introduces neuropsychological bases for basic brain-behavior concepts involving structure and function of the nervous system, neural conduction and synaptic transmission, psychopharmacology, structure of the nervous system, brain lateralization, neuroplasticity, sensation and perception, internal body states, sexual behavior, emotional behavior, sleep and biological rhythms, biology of learning and memory, and psychopathological disorders. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC.*

PSY M1H - CSU UC pending

PSY M03 -- 3 Units

Psychology of Interpersonal Relationships

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces psychological principles involved in human relationships. Combines experiential and theoretical approaches to increase awareness, understanding, and decision-making. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU*

PSY M04 -- 3 Units

Child Psychology

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Focuses on the basic principles of developmental psychology, exploring the personal, societal, and cultural forces important from birth to puberty. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC*

PSY M05 -- 3 Units

Social Psychology

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces social relationships, emphasizing interpersonal attraction; person perception; long-term relationships; pro-social behavior; attitude formation and changes; and the nature of prejudice, aggression, and conformity. (Same course as Sociology M5). *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC*

PSY M06 -- 3 Units

Introduction to Behavioral Research Methods

Prerequisite: PSY M01A

Class Hours: 3 lecture

Introduces basic research concepts and principles of behavioral science; descriptive and experimental research approaches; problem identification, hypothesis formation and testing; experimental variables and controls; validity and reliability; experimental, quasi-experimental and single-participant research designs; and research ethics. Requires research study and manuscript using APA guidelines and format. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC*

PSY M07 -- 3 Units

Developmental Psychology (Life Span)

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces physical, emotional, cognitive, social and cultural aspects of development from conception to death. Emphasizes normative behaviors and developmental stages over the life span. Reviews developmental theories and contemporary issues. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed—one course if combined with Child Development M30*

PSY M08 -- 3 Units
Abnormal Psychology

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Surveys field of abnormal behavior by reviewing patterns, causes, and history of maladaptive behavior; clinical assessment using the current Diagnostic and Statistical Manual; therapies; and prevention of behavioral disorders. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC*

PSY M09 -- 3 Units
Introduction to Gerontology

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces physical, psychological, sociological, and economic aspects of aging, applying theories to current issues and problems facing the older population. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed is one course if combined with PSY M30.*

PSY M10 -- 3 Units
Dying and Death

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Explores issues and decisions concerned with dying and death over the life span, including historical and cross-cultural perspectives, death socialization, medical ethics and the health-care system, legal issues and after-life concerns. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC*

PSY M11 -- 3 Units
Psychology of Assertive Communication

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces open, honest, direct communication and behavior, emphasizing perceptions and emotions, verbal and non-verbal communication, defense mechanisms, and conflict resolution. Examines problem areas and alternate behaviors, exploring how to express anger, change behavior, make requests, say "No," cope with criticism and resolve conflict. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU*

PSY M12 -- 3.5 Units
Animal Behavior

Prerequisite: None

Class Hours: 3 lecture, 1.5 lab

Introduces the study of animal behavior, emphasizing learning theory and classical and operant conditioning. Applies concepts of ethology and behavior modification to the maintenance and training of animals in captivity. Requires training a rat and conducting an observational research project on captive animals. (Same course as EATM M04). *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU*

PSY M13 -- 3 Units
Human Sexuality

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Explores psychological, biological, and sociological aspects of human sexual behavior, including sexual values, roles and lifestyles. Includes contraception, pregnancy, sexually transmitted diseases, sexual dysfunctions and treatments. Presents course content in an explicit, open, scientific and thoughtful manner. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC*

PSY M14 -- 3 Units
Cross-Cultural Psychology

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Explores the impact of cultural and social influences on the psychological development of ethnic groups by integrating traditional theoretical approaches and current cross-cultural research and theory in the study of Latinos, Asian-Americans, African-Americans and Native Americans. Reviews definitions of culture; ethnic group demographics; family and gender roles; collectivism and individualism; research methodologies; identity formation and ethnicity, stereotypes, prejudice and discrimination; cognition and intelligence; language, bilingualism and non-verbal communication; psychosocial stressors; behavioral disorders, clinical assessment and cross-cultural counseling techniques; and improving intercultural interactions. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC*

PSY M15 -- 3 Units
Psychology and Criminal Behavior

Prerequisite: None

Class Hours: 3 lecture

Introduces the factors, concepts and theories, and characteristics associated with the psychology of criminal behavior and victimology. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC pending*

PSY M16 -- 3 Units
Personality Theories

Prerequisite: None

Class Hours: 3 lecture

Reviews the major concepts and methods of personality theories and how they relate to the development and formation of personality. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC pending*

PSY M22A/B -- 1 to 3 Units Each
Independent Studies in Psychology

Prerequisite: A previous course in Psychology

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of psychology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

~~PSY M17 --~~PSY M17 - Sports
CSU (only)PSY M18 - Educational Psych 3
CSU, UC pending

PSY M30 -- 3 Units

Psychological Aspects of Aging

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Explores psychodynamic behaviors over the life span, focusing on the development and psychological needs of the aging adult as well as others' responses to these needs. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC maximum credit allowed — one course if combined with PSY M9*

PSY M60A-Z -- 0.5 to 3 Units Each

Topics in Psychology

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes.

Developed topics include:

PSY M60A -- 1 Unit

Biofeedback: Theory and Technique

Prerequisite: None

Class Hours: 16 lecture total

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 15 contact hours.

Introduces theory, research, and practical applications of biofeedback. Provides academic discussion as well as practical training on biofeedback equipment. Only offered credit/no-credit. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

PSY M60V -- 3 Units

The Vietnam War

Prerequisite: None

Class Hours: 3 lecture

Examines circumstances leading to American involvement in Vietnam, the war itself, and the resulting consequences. Uses literature and film to explore historic, psychological and pop-cultural perspectives. (Same course as HIST M60V and HUM M60V). *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

PSY M80 -- 1 to 4 Units

Internship in Psychology

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *PSY formerly PSYCH. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

RADIO/TELEVISION

This major is designed for students who plan professional or academic careers in educational or commercial radio or television. The major provides training that leads to positions in management or creative capacities or in related scholarly areas. Study is directed toward developing competence in specific areas of the mass media professions and providing a general knowledge of mass communication theory.

Career Opportunities

Account Executive, Actor, Anchor (News), Announcer, Assistant Director, Art Director, Audio/Video Engineer, Camera Operator, Executive Producer, Floor Manager/Lighting Director, Lighting Assistant, Media-Librarian, News Director, News Writer, Reporter, Advertising Copy Writer, Makeup Specialist/Artist, ITV Specialist, Program Manager/Director, Publicity/Promotion Assistant, Public Relations Assistant, Property Master/Grip, Radio-Television Director, Operations Manager, Technical Director, Traffic Director, Research Specialist, Teleplay Writer, Videotape Editor, Station Manager/General Manager, Advertising Sales Director/Manager

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

Al Miller, Les Wieder

Part-Time

Steve Gutierrez, Liam O'Brien, Frank Roach, Richard Studebaker, Charles Whitten, Thomas Witt

Counselor

Don Henderson

Radio/Television Degree (Occupational)

Associate in Science Degree

This program offers a varied curriculum that provides students with introductory knowledge of broadcasting. Emphasis is possible through introductory specialization in such fields as broadcast journalism, production techniques, advertising/sales management.

Required Courses:

	Units
RT M01 Media and Society	3
RT M02A Broadcast Studio Operations	3
RT M02B Electronic Field Production/Post Production	3
RT M03A Television Production Workshop	3
RT M05 Radio-Television Writing	3
RT M07A Radio Production Workshop	3

Required Additional Courses:

Select nine (9) units from the following courses:

HUM M03 History of the Motion Picture	3
HUM M04 Main Currents in Modern Film	3
PHOT M01A Beginning Photography	3
RT M03B Television Directing and Editing	3
RT M07B Advanced Radio Production	3
RT M08 Voice and Diction	3
RT M09 Acting for Film and TV	3
RT M12 Broadcast Journalism	3
TOTAL minimum units required in major area	27

See Degree Requirements and Transfer Information section for General Education requirements.

*60C - CSU only!
(no UC transfer) UC credit limitations*

Radio/Television

Radio/Television Courses

RT M01 -- 3 Units**Media and Society**

Prerequisite: None

Class Hours: 3 lecture

Surveys history and nature of print and electronic media in America, examining social, political and cultural implications. (Same course as JOUR M01). *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: JOURN 4*

RT M02A -- 3 Units**Broadcast Studio Operations**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces basic equipment and operations of broadcast studio and control room. Emphasizes studio production, including lighting, camera operation, switcher-fader operation, graphics, videotape and audio operations. Reviews practical applications of program patterns, studio procedures, and ancillary activities such as set building and floor management. *Applies to Associate Degree. Transfer credit: CSU*

RT M02B -- 3 Units**Electronic Field Production/Post Production**

Prerequisite: RT M02A

Class Hours: 2 lecture, 3 lab

Introduces use and operation of remote television and editing equipment. Emphasizes lighting, audio, and graphics. Requires field productions as well as extensive post-production activities. *Applies to Associate Degree. Transfer credit: CSU*

RT M03A -- 3 Units**Television Production Workshop**

Prerequisite: RT M02B

Class Hours: 2 lecture, 3 lab

Introduces intermediate-level work in production, including camera work, technical direction and lighting. Emphasizes creation of new program concepts and types. Requires producing an experimental TV program. *Applies to Associate Degree. Transfer credit: CSU*

RT M03B -- 3 Units**Television Directing and Editing**

Prerequisite: RT M03A

Class Hours: 2 lecture, 3 lab

Introduces advanced directing and editing skills appropriate for special projects and experimental television programs. Requires producing variety of television programs. *Applies to Associate Degree. Transfer credit: CSU*

RT M05 -- 3 Units**Radio-Television Script Writing**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces the fundamentals of script format and professional methods as well as the ethics and restrictions involved in the broadcasting media. Includes the preparation and analysis of dramatic scripts, program formats, public service announcements, local news, commercials, continuity, discussion programs, special events, talks and interviews. (Same course as ENGL M05). *Applies to Associate Degree. Transfer credit: CSU*

RT M07A -- 3 Units**Radio Production Workshop**

Prerequisite: Completion of or concurrent enrollment in RT M01

Class Hours: 2 lecture, 3 lab

Integrates various radio broadcasting functions, including announcing, acting, disc jockeying, basic writing, program direction and production, advertising, radio interviewing, and station operations. *Applies to Associate Degree. Transfer credit: CSU*

RT M07B -- 3 Units**Advanced Radio Production**

Prerequisite: RT M07A

Class Hours: 2 lecture, 3 lab

This is an advanced practical course designed to prepare students for entry-level positions as a radio announcer and/or newscaster at a radio station. Introduces various background skills needed as a radio personality, including working with and developing music formats and editing, re-writing, and gathering news. Provides practical preparation for entry-level positions outside of top 20 radio markets, including creation of audition tape and resume. *Transfer credit: CSU*

RT M08 -- 3 Units**Voice and Diction**

Prerequisite: None

Class Hours: 3 lecture

Introduces theory and practice of voice control, emphasizing correct pronunciation, breathing control techniques, and regional and foreign dialects. Especially useful for those in theatre, forensics and broadcasting. May be taken two (2) times for credit. (Same course as THA M03 and SPCH M03). *Transfer credit: CSU; UC. CAN: DRAM 6*

RT M09 -- 3 Units**Acting for Film and TV**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces techniques pertinent to film and television acting, including blocking, movement, rapid line learning, and use of microphones. Includes performance in student-directed films and television shows. May be taken four (4) times for credit. (Same course as THA M09). *Transfer credit: CSU; UC*

RT M12 -- 3 Units**Broadcast Journalism**

Prerequisite: None

Class Hours: 3 lecture

Provides advanced practice in preparation of radio and television newscasts. Develops interviewing skills. Includes writing original news copy and editing and rewriting wire service copy for on-air purposes. Requires use of remote recording equipment. (Same course as JOUR M12). *Transfer credit: CSU*

RT M22A/B – 1 to 3 Units Each**Independent Studies in Radio/Television**

Prerequisite: A previous course in Radio/Television

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of radio/television through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU*

RT M60A-Z – 1 to 3 Units Each**Topics in Radio/Television**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *Applies to Associate Degree. Transfer credit: CSU.*

RT M80 -- 1 to 4 Units**Internship in Radio/Television**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

READING

See courses in English

RADIOLOGIC TECHNOLOGY

See courses in Health Sciences

RECREATION

Dean

Al Nordquist, Phone (805) 378-1446

Faculty**Full-Time**

Ron Halleran

Counselor

Donna Allyn

Recreation Courses**REC M01 -- 3 Units****Programs and Leadership**

Prerequisites: None

Class Hours: 3 lecture

Introduces the philosophies, organization, promotion and leadership of various types of recreation programs, agencies and organizations, emphasizing effective leadership techniques and program services. *Applies to Associate Degree. Transfer credit: CSU; UC pending only*

SCIENCE AND TECHNOLOGY

Science and Technology provide students with an introduction to a variety of significant topics and experiments in the pure and applied sciences. The purpose of each class is to increase interest in science and technology and to foster exploration of challenging careers.

Dean

Floyd Martin, Phone (805) 378-1459

Science and Technology Courses

TECH M01A/B -- 0.5 to 2 Units Each**Introduction to High Technology**

Prerequisites: None

Class Hours: 4-16 lecture, 12-48 lab total as arranged

Introduces high technology subjects appropriate to and taught by various college departments. Topics selected to meet established needs and interests. Each course may be taken for a maximum of four (4) units. *TECH formerly SCTECH. Applies to Associate Degree.*

SIGN LANGUAGE

Dean

Rene Rodriguez, Phone (805) 378-1404

Faculty**Part-Time**

Marilyn Carpenter, Cintia Nuttall

Counselor

Ofelia Romero-Motlagh

Sign Language Courses**SL M01 -- 3 Units****Beginning American Sign Language I**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Introduces fundamentals of American Sign Language, including basic vocabulary and finger spelling. Emphasizes grammatical structure and comprehension. Explores deaf culture. *Applies to Associate Degree. Transfer credit: CSU, UC*

SL M02 -- 3 Units**Beginning American Sign Language II**

Prerequisite: SL M01

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Continues study of American Sign Language, emphasizing comprehension, grammar, expression and vocabulary. Introduces basic anatomy of the ear and audiometry. *Applies to Associate Degree. Transfer credit: CSU, UC*

SOCIAL SCIENCES

The major in Social Sciences permits students to explore a broad spectrum of the courses in order to obtain an acquaintance with sociocultural, economic, and political aspects and to develop a greater concentration in one of these areas of study. This major will satisfy much of the required liberal studies background for students who are planning to teach in elementary schools.

Dean

Al Nordquist, Phone (805) 378-1446

Faculty

Counselor

Ofelia Romero-Motlagh

■ **Social Science Degree**

Associate in Arts Degree

This program is designed to award an A.A. degree in Social Science with an emphasis in either Geography, History, Philosophy, or Political Science. The basic requirements for the degree include completion of 21 units from the following:

Required Courses: **Units**

AREA A: One three-unit course from each of the four discipline offerings:

- Geography: M02, M03, M04, M07 3
- History: Any course offered, except M22, M60 series or M80 3
- Philosophy: M01, M02, M03, M04, M06 3
- Political Science: M01, M02, URBN M01A 3

AREA B: Two additional three-unit courses, except M22, M60 series or M80, from any one discipline below. These additional units determine the student's degree emphasis.

- Geography: Any six (6) units, except those fulfilling Physical Science requirements.
- History: Any six (6) units.
- Philosophy: Any six (6) units.
- Political Science: Any six (6) units including URBN M01A, M01B.

AREA C: One additional three-unit course from number 1 or number 2, below:

1. One (1) additional three-unit course from Area B, except M22, M60 series or M80, outside the student's degree emphasis, or
2. One (1) additional three-unit course from the following:
 - Anthropology: M02, M04.
 - Psychology: M01, M05, M07.
 - Sociology: M01, M02, M05, M06, M08.

TOTAL minimum units required in major area 21

See Degree Requirements and Transfer Information section for General Education requirements.

SOCIOLOGY

Sociology offers much to the student who is eager to understand the web and rhythm of human behavior. From intimate, personal, and family relationships to international corporation activities; from marginality, deviance and crime to recreation, religion and medicine; few disciplines have such broad scope and relevance.

Career Opportunities

Most careers require bachelors or graduate degree.

Metropolitan Development Representative, Model Cities Representative, Public Relations Consultant, Employment Counselor, Interviewer/Researcher, Urban Renewal Representative, Correctional Counselor, Industrial Sociologist, Disability Insurance Trainee, Personnel Management Specialist, Youth Counselor, Statistician, Criminologist, Social Worker, Case Worker, Counselor, Population Analyst, Probation Officer, Recreation Specialist, Claims Examiner

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Full-Time

Cynthia Barnett, Carole Ginet, Linda McDill

Part-Time

Diane Brabant, Angela Constable, Joan Evans, Sunghee Nam, Teresa Madden, David Tusso

Counselors

Mike Johnson, Mary Martin, Ofelia Romero-Motlagh

Sociology Courses

SOC M01 -- 3 Units

Introduction to Sociology

Prerequisite: None

Class Hours: 3 lecture

Analyzes major theoretical constructs involving human interactions, cultural origins, community organization, collective behavior, social change, institutional growth, and social movements. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: SOC 2*

SOC M02 -- 3 Units

Social Problems

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Analyzes causes and consequences of social problems confronting contemporary US society, including inter-group conflict, sexism, racism, ageism, sexual deviance, poverty, crime, delinquency, substance abuse, cults (religious, political, psychological), terrorism, health and environmental degradation by examining methodology, skills and resources applied to solving social problems. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: SOC 4*

SOC M03 -- 3 Units

Sociological Analysis

Prerequisite: SOC M01

Class Hours: 3 lecture

Examines basic concepts supporting the scientific analysis of society and social institutions. Studies conceptualization, operationalization, hypothesis construction, sampling and sampling designs. Requires collection and analysis of field data. *Applies to Associate Degree. Transfer credit: CSU; UC*

SOC M04 -- 3 Units

Intimacy, Relationships and Commitment

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Explores theoretical, historical, cross-cultural, sociological and personal perspectives of committed relationships, reviewing various perspectives on marriage and the family. Considers sex roles, socialization, sexuality, the single life, marriage, parenting, dual-career families; and conflict in relationships, separation, divorce, remarriage, and alternative choices. *Applies to Associate Degree. Transfer credit: CSU, UC. CAN:*

*HEC 12
FC S*

SOC M05 -- 3 Units**Social Psychology**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours.

Introduces social relationships, emphasizing interpersonal attraction; person perception; long-term relationships; pro-social behavior; attitude formation and changes; and the nature of prejudice, aggression, and conformity. (Same course as PSY M05). *Applies to Associate Degree. Transfer credit: CSU; UC*

SOC M06 -- 3 Units**The Chicano in Contemporary Society**

Prerequisite: None

Class Hours: 3 lecture

Explores the socioeconomic and political problems confronting the Chicano, emphasizing proposed solutions, similarities with other groups and the effects of social institutions on ethnic communities. (Same course as CHST M01). *Applies to Associate Degree. Transfer credit: CSU; UC*

SOC M07 -- 3 Units**Women in American Society**

Prerequisite: None

Class Hours: 3 lecture

Investigates similarities and differences in women's experiences and roles in shaping American culture. Focuses on gendered ethnicity and the contributions of Anglo, African-American, Native American and Latino women. Examines feminism and other sociological theories and methodologies regarding gender. *Applies to Associate Degree. Transfer credit: CSU; UC*

SOC M08 -- 3 Units**Ethnicity, Class, and Gender**

Prerequisite: None

Class Hours: 3 lecture

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 45 contact hours. Examines discrimination and inequality within a society that values equality, freedom, and justice. Explores the diversity in American society and the nature of relationships among racial and ethnic groups. Reviews the variety of experiences within each group, paying close attention to how the racial and ethnic experience varies between males and females. *Applies to Associate Degree. Transfer credit: CSU; UC*

SOC M22A/B – 1 to 3 Units Each**Independent Studies in Sociology**

Prerequisite: A previous course in Sociology

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of sociology through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

SOC M60A-Z – 0.5 to 3 Units Each**Topics in Sociology**

Prerequisite: To be determined

Class Hours: To be determined

Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the Schedule of Classes.

Developed topics include:**SOC M60A -- 3 Units****Sociological Field Methods**

Prerequisite: Completion or concurrent enrollment in SOC M01 or SOC M02

Class Hours: 1 lecture, 6 lab

Expands knowledge of sociological theory through classroom and on-site involvement within governmental and/or social agencies. *Transfer credit: CSU; UC credit limitations.*

SOC M80 -- 1 to 4 Units**Internship in Sociology**Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged.

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations*

SOC 95

CSU; UC

SPANISH

Study in the Spanish language provides specialists to work in areas such as anthropology, economics, political science, literature, and sociology. While teaching is the principle area of employment, other careers may be found in interpreting, translating, research, diplomacy, libraries, and the publishing business.

Career Opportunities**Most careers require bachelors or graduate degree.**

Bilingual Administrative Assistant, Bilingual Assist. in Social Science, Bilingual Public Relation Officer, Bilingual Receptionist, Diplomatic Office, Editor, Flight Attendant, Foreign Service Officer, International Exchange Trader, International Sales Rep., Journalist, Translator, Travel Agent, Tutor

Dean

Rene Rodriguez, Phone (805) 378-1404

Faculty**Full-Time**

Grace Bodhaine, Raquel Olivera, Helga Winkler

Part-Time

Victoria Albright, Celia Alexander, Maria Brack, Damiano Marano, Sandra Parada, Eva Ramirez, Renee Rosenberg, Kyra Sovero, Margaret Szymanski, Eduard Thron

Counselor

Ofelia Romero-Motlagh

SOC. 16 - Soc. of Deviant Beh.
CSU; UC pending

SOC. 17 - Soc. of Delinquency
CSU; UC pending

SOC M15 - Crime & Criminal Behavior.
CSU; UC pending

Spanish Degree

Associate in Arts Degree

This program provides students with a curriculum design that is preparatory for transfer to most universities.

Required Courses:	Units
SPAN M01 Elementary SPAN M01 or SPAN M01A/B	4
or	
SPAN M05 Spanish for Native Speakers 1	4
SPAN M02 Elementary Spanish II	4
or	
SPAN M06 or SPAN M02A/B	4
SPAN M03 Intermediate Spanish I	4
SPAN M04 Intermediate Spanish II	4

Required Additional Courses: **Units**
 Select two more courses (6 or 7 units).
Chose one from group A and one from Group B:

GROUP A	
ANTH M04 Chicano Culture	3
CHST M01/SOC M06.... The Chicano in Contemporary Society	3
CHST M02 Chicano Culture	3
CHST M03 Chicana Issues/La Mujer	3
CHST M04/HIST M04.... History of the Southwest	3
CHST M08 Political Patterns in the US	3
GROUP B	
FREN M01 Elementary French	4
FREN M02 Elementary French II	4
FREN M03 Intermediate French I	4
FREN M04 Intermediate French II	4
GERM M01 Elementary German I	4
GERM M02 Elementary German II	4
GERM M03 Intermediate German I	4
GERM M04 Intermediate German II	4
HEB M01 Hebrew I	4
HEB M02 Hebrew II	4
ITAL M01 Elementary Italian I	4
ITAL M02 Elementary Italian II	4
JAPN M01 Elementary Japanese I	4
JAPN M02 Elementary Japanese II	4
JAPN M03 Intermediate Japanese I	4
SPAN M41 Intermediate Conversational Spanish	3
HIST M09 Latin American History	3
HIST M14 Ethnicity and Gender	3
HUM M05 Contemporary Foreign Film	3
ENGL M30 Masterpieces of World Literature I	3
ENGL M31 Masterpieces of World Literature II	3
ENGL M45 Hispanic-American Literature	3
SL M01 Sign Language I	3
SL M02 Sign Language 2	3
SOC M08 Ethnicity, Class, and Gender	3
TOTAL minimum units required in major area	22

(In the case that a student places out of SPN M1-M4, counseling with an instructor is necessary and the student must make arrangements to take Independent Studies in Spanish (SPAN M22A/B, 1-3 units).

See Degree Requirements and Transfer Information section for General Education Requirements.

Spanish Courses

SPAN M01 -- 4 Units

Elementary Spanish I

Prerequisite: None

Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Introduces Spanish language, culture, history and people, emphasizing speaking, understanding, reading and writing skills. Requires individualized work in the lab each week. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: SPAN 2 SPAN SEQ A (SPAN M01 + M02)*

SPAN M01A — 2 Units

Elementary Spanish

Prerequisite: None

Class Hours: 2 lecture; 0.5 lab as arranged

SPAN M01A covers first half of SPAN M01. Introduces Spanish language and culture, emphasizing skills and knowledge necessary for speaking and writing Spanish. Requires individualized work in the lab each week. Cannot receive credit for SPAN M01A/B sequence and SPAN M01. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC.*

SPAN M01B — 2 Units

Elementary Spanish

Prerequisite: SPAN M01A or one year of high school Spanish

Class Hours: 2 lecture; 0.5 lab as arranged

SPAN M01B covers second half of SPAN M01. Introduces Spanish language and culture, emphasizing skills and knowledge necessary for speaking, reading and writing. Requires individualized work in the lab each week. Cannot receive credit for SPAN M01A/B sequence and SPAN M01. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC.*

SPAN M02 -- 4 Units

Elementary Spanish II

Prerequisite: SPAN M01 or two years of high school Spanish (C or better)

Class Hours: 4 lecture; 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours. Further explores Spanish language and culture, emphasizing people and history as well as speaking, reading and writing proficiency. Requires individualized work in the lab each week. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC (SPAN M02 + M06 combined: Maximum credit one course). CAN: SPAN 4; SPAN SEQ A (SPAN M01 + M02)*

SPAN M02A -- 2 Units

Elementary Spanish 2A

Prerequisite: SPAN M01 or SPAN M01A/B or two years high school Spanish

Class Hours: 2 lecture; 0.5 lab as arranged

Covers first half of SPAN M02. Introduces Spanish language and culture, emphasizing skills and knowledge necessary for speaking and writing Spanish. Requires individualized work in the lab each week. Cannot receive credit for SPAN M02A/B sequence and SPAN M02. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC pending.*

SPAN M02B -- 2 Units**Elementary Spanish 2B**

Prerequisite: SPAN M02A or two years of high school Spanish
Class Hours: 2 lecture, 0.5 lab as arranged.

Covers the second half of SPAN M02. Introduces Spanish language and culture, emphasizing skills and knowledge necessary for speaking and writing. Requires individualized work in the lab each week. Cannot receive credit for SPAN M02A/B sequence and SPAN M02. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC pending*

SPAN M03 -- 4 Units**Intermediate Spanish I**

Prerequisite: SPAN M02 or three years of high school Spanish
Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Offers intensive review of basic grammar, including extension and refinement of fundamentals and increased proficiency in reading, writing, and speaking skills. Focuses on culture through study of selected literature and contemporary society. Requires individualized work in the lab each week. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: SPAN 8; SPAN SEQ B (SPAN M03 + M04)*

SPAN M04 -- 4 Units**Intermediate Spanish II**

Prerequisite: SPAN M03 or four years of high school Spanish
Class Hours: 4 lecture, 1 lab as arranged

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Expands review of basic grammar, including extension and refinement of fundamentals and increased proficiency in reading, writing, and speaking skills. Focuses on culture through study of selected literature and contemporary society. Requires individualized work in the lab each week. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC. CAN: SPAN 10; SPAN SEQ B (SPAN M03 + M04)*

SPAN M05 -- 4 Units**Spanish for Spanish Speakers I**

Prerequisite: None

Class Hours: 4 lecture; 1 lab as arranged

Recommended Preparation: Native ability to use Spanish in everyday conversation.

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Reviews basic grammatical concepts as well as linguistic and cultural matters of interest for native speakers of Spanish. Enriches expression and comprehension. Explores standard vs. vernacular usage, cross-language interference, and awareness of Spanish-speaking cultures. Requires individualized work in the lab each week. SPAN M05 parallels SPAN M01 for native speakers. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC*

*SPAN M14 - Span. for Health Care Prof.
AA only*

SPAN M06 -- 4 Units**Spanish for Spanish Speakers II**

Prerequisite: None

Class Hours: 4 lecture; 1 lab as arranged

Recommended Preparation: Native ability to use Spanish in everyday conversation

Approved for Continuing Education hours by the California Board of Registered Nursing, provider number 02811 for 60 contact hours.

Reviews grammatical constructs of Spanish, emphasizing linguistic and cultural concerns. Reinforces oral and written expression and comprehension, reviewing standard vs. vernacular usage, cross-language interference, and cultural awareness of the Spanish-speaking world through study of literature. Requires individualized work in the lab each week. SPAN M06 parallels SPAN M02 for native speakers. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC*

SPAN M12 -- 3 Units**Spanish Civilization**

Prerequisite: None

Class Hours: 3 lecture

Introduces history, culture, and civilization of Spain through a review of major events and landmarks. Emphasizes 20th century Spanish politics, culture, and society, focusing on contemporary developments reflected in literature, art, film, and music. (Same course as HUM M12). *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC*

SPAN M22A/B -- 1 to 3 Units Each
Independent Studies in Spanish

Prerequisite: A previous course in Spanish

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of Spanish through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

SPAN M31A -- 3 Units**Elementary Conversational Spanish**

Prerequisite: None

Class Hours: 3 lecture

Provides basic understanding and use of Spanish in practical situations, emphasizing elementary grammar and principles of usage for non-native speakers. May be taken two (2) times for credit. *SPAN formerly SPN. Applies to Associate Degree.*

SPAN M31B -- 3 Units**Elementary Conversational Spanish**

Prerequisite: SPAN M31A

Class Hours: 3 lecture

Expands introduction and use of Spanish for non-native speakers, emphasizing intermediate grammar and principles of usage. May be taken two (2) times for credit. *SPAN formerly SPN. Applies to Associate Degree.*

SPAN M31C -- 3 Units**Elementary Conversational Spanish**

Prerequisite: SPAN M31B

Class Hours: 3 lecture

Develops oral skills in Spanish to the advanced level for non-native speakers. Includes study of grammar and usage. *SPAN formerly SPN. Applies to Associate Degree.*

SPAN M32 -- 3 Units

Spanish for Public Employees

Prerequisite: None

Class Hours: 3 lecture

Introduces basic communication skills for public employees functioning in bilingual situations. Emphasizes practical and instructional vocabulary. Adaptable to needs of students job demands. *SPAN formerly SPN. Applies to Associate Degree.*

SPAN M41 -- 3 Units

Intermediate Conversational Spanish

Prerequisite: SPAN M2

Class Hours: 3 lecture

Develops oral skills while reviewing grammar and building vocabulary for intermediate non-native speakers. Discusses a variety of topics in Spanish. May be taken concurrently with SPAN M03 or SPAN M04. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU; UC*

SPAN M80 -- 1 to 4 Units

Internship in Spanish

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *SPAN formerly SPN. Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

SPAN 95 - CSU; UC

SPEECH

Instruction in speech is both a fundamental skill for all students to possess in following a successful education path and a professional talent that is vital to many careers.

Career Opportunities

Most careers require bachelors or graduate degree.

Lawyer, Politician, Management Trainee, Speech Therapist, Linguist, Lecturer, Sales

Dean

Sid Adler, Phone (805) 378-1443

Faculty

Full-Time

Charlene Arnold, Stephen Doyle, Rolland Petrello, Richard Strong, James Wyman

Part-Time

Roberta Burnette, Marjorie Berg, Cal Liedtke, Drew Lobenstein, John Matteson

Counselor

Don Henderson

Speech Communication Degree

Associate in Arts Degree

This program is designed to provide students with a minimum of 28 units in the subject area. Additionally, these courses parallel the undergraduate coursework students will need for a bachelors degree in speech at a four-year institution.

Required Courses:

	Units
SPCH M01..... Introduction to Speech	3
SPCH M02..... Advanced Public Speaking	3
SPCH M04..... Interpersonal Communication	3
SPCH M05..... Elementary Oral Interpretation	3
SPCH M07..... Argumentation and Debate	3
SPCH M25..... Introduction to Rhetorical Criticism	3
SPCH M10A..... Forensics	2
Total	20

Required Additional Courses:

Select a minimum of eight (8) units from the following:

SPCH M03..... Voice and Diction	3
SPCH M06..... Small Group Communication	3
SPCH M16..... Reader's Theatre	3
SPCH M56..... Business and Professional Speech	3
SPCH M10B..... Forensics	2
CIS M27..... Introduction to Power Point.....	2

Speech Courses

SPCH M01 -- 3 Units

Introduction to Speech

Prerequisite: None

Class Hours: 3 lecture

Introduces basic communication theory, appropriate delivery skills, common organizational patterns, and thorough research techniques of effective oral communication. Includes practical training in feedback and listening skills. *Applies to Associate Degree. Transfer credit: CSU; UC*

SPCH M02 -- 3 Units

Advanced Public Speaking

Prerequisite: SPCH M01

Class Hours: 3 lecture

Introduces principles of public speaking and analysis of public discourse, emphasizing audience adaptation. Requires presentations of various persuasive speeches and situations. *Applies to Associate Degree. Transfer credit: CSU; UC*

SPCH M03 -- 3 Units

Voice and Diction

Prerequisite: None

Class Hours: 3 lecture

Introduces theory and practice of voice control, emphasizing correct pronunciation, breathing control techniques, and regional and foreign dialects. Especially useful for those in theatre, forensics and broadcasting. May be taken two (2) times for credit. (Same course as RT M08 and THA M03). *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: DRAM 6*

SPCH M04 -- 3 Units

Interpersonal Communications

Prerequisite: None

Class Hours: 3 lecture

Introduces dynamics of one-on-one communication, focusing on experience, behavior, and rules governing interpersonal contexts such as friendships, families, and work relationships. Studies language, perception, non-verbal cues, listening, and status and roles. Includes conflict resolution, problem-solving techniques, and assertiveness skills. *Applies to Associate Degree. Transfer credit: CSU; UC*

SPCH M05 -- 3 Units**Oral Interpretation of Literature**

Prerequisite: None

Class Hours: 3 lecture

Blends speech and acting, introducing literary interpretation and performance techniques. Requires evaluation, analysis and performance of selections from major genres of literature (prose, poetry and drama).

Applies to Associate Degree. Transfer credit: CSU; UC

SPCH M06 -- 3 Units**Small Group Communication**

Prerequisite: None

Class Hours: 3 lecture

Introduces dynamics of group discussion, including group problem solving, participation, leadership, decision-making, working in study groups, panel-forum, and symposium assignments. Includes practice and presentations. *Applies to Associate Degree. Transfer credit: CSU; UC pending*

SPCH M07 -- 3 Units**Argumentation and Debate**

Prerequisite: None

Class Hours: 3 lecture

Introduces theory, methodology, and practice of critical listening, critical thinking and oral argument, including training in propositions, methods of analysis, stock issue policy analysis, evidence and proof, and cross-examination considerations. Examines types of debatable propositions, effective listening and note taking, research methodology, and delivery skills. Practices team and debate formats on class-selected topics and issues. Requires final. *Applies to Associate Degree. Transfer credit: CSU; UC*

SPCH M10A/B/C/D -- 2 Units Each**Forensics**

Prerequisite: None

Class Hours: 1 lecture, 3 lab

Provides training, rehearsal, practice and performance necessary to succeed as a competitive speech team. Emphasizes argumentation and debate, informative and persuasive speaking, and impromptu and extemporaneous speaking. Involves research and one-on-one interactive training. Requires participation in interscholastic competition or community speakers bureau. *Applies to Associate Degree. Transfer credit: CSU*

SPCH M16 -- 3 Units**Readers Theatre**

Prerequisite: None

Class Hours: 3 lecture

Introduces concepts and practices of oral interpretation of literature. Requires supervised performances in readers' theatre before community and college audiences. (Same course as Theatre Arts M16). *Applies to Associate Degree. Transfer credit: CSU; UC*

SPCH M22A/B -- 1 to 3 Units Each**Independent Studies in Speech**

Prerequisite: A previous course in speech

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of speech through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

SPCH M25 -- 3 Units**Introduction to Rhetorical Criticism**

Prerequisite: ENGL M01A

Class Hours: 3 lecture

Introduces principles of reasoning and rhetoric and their application to the analysis and evaluation of public discourse. Examines rhetorical strategies, quality of argument and support, use of language, awareness of fallacies, and audience expectations. Requires effective thinking, writing, and speaking. *Applies to Associate Degree. Transfer credit: CSU; UC*

SPCH M56 -- 3 Units**Business and Professional Speech**

Prerequisite: None

Class Hours: 3 lecture

Focuses on effective speaking skills needed in leadership positions, including an awareness of presentation techniques, group dynamics, argumentation and persuasion strategies, and organizational structure. Builds on individual needs and interests. (Same course as BUS M56). *Applies to Associate Degree. Transfer credit: CSU*

SPCH M80 -- 1 to 4 Units**Internship in Speech**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

STUDY SKILLS

See courses in Essential Skills, Learning Skills and Personal Growth

TELEVISION

See courses in Radio/Television

THEATRE ARTS

People who major in the various specialties of the dramatic arts tend toward a professional career in theatre, television, or films. A large number go into teaching or into community theatre activities. Many have used training in theatre arts toward attaining confidence and self-assurance in professions such as law, the ministry, or business.

Career Opportunities

Actor/Actress, Assistant Director, Assistant Stage Manager, Stage Technician, Lighting Technician, Sound Technician, Production Assistant, Stagehand, Playwright

Dean

Sid Adler, Phone (805) 378-1443

Faculty**Full-Time**

Katherine Lewis, Les Wieder

Part-TimeEric Augusztiny, Paulette Brimie-Cox, Roy Howell, Ben Martin,
Abra Paudler, Frank Roach**Counselor**

Don Henderson

■ Theatre Arts -- Acting Degree**Associate in Arts Degree****Certificate of Completion**

This program is designed to emphasize skills required for acting in those desiring to transfer to a university or college or to seeking to enter the acting profession. Students completing the additional general education requirements of the college receive an associate degree.

Required Courses:	Units
THA M01 Intro to the Theatre	3
THA M02A Beginning Acting	3.5
THA M02B Intermediate Acting	3.5
THA M02C Advanced Acting I	3.5
THA M03 Voice and Diction	3
THA M10 Production and Performance (taken twice)	3/3
THA M17 Free Dance/Improvisation I	1.5
THA M20 Stagecrafts	3
THA M24 Theatrical Costume and Makeup	3
TOTAL minimum units required in major area	27

Recommended Courses:

DANC M12A; ENGL M20, M17; MUS M13A; THA M02D, M09

See Degree Requirements and Transfer Information section for General Education requirements.

■ Theatre Arts -- Directing Degree**Associate in Arts Degree****Certificate of Completion**

This program is designed to emphasize skills required for directing in those desiring to transfer to a university or college or seeking to enter the directing profession. Students completing the additional general education requirements of the college receive an associate degree.

Required Courses:	Units
THA M01 Intro to the Theatre	3
THA M02A Beginning Acting	3.5
THA M10 Production and Performance (taken twice)	3/3
THA M15A Beginning Stage Direction	3
THA M15B Intermediate Stage Direction	3
THA M20 Stagecrafts	3
THA M21 Playwriting	3
THA M23A Beginning Lighting Design	3
THA M25A Beginning Scene Design	3
TOTAL minimum units required in major area	24.5

Recommended Courses: ENGL 20, M17; THA M04A/B, M23A, M24

See Degree Requirements and Transfer Information section for General Education requirements.

■ Theatre Arts -- Technical Theatre Degree**Associate in Arts Degree****Certificate of Completion**

This program is designed to emphasize skills required for technical theatre in those desiring to transfer to a university or college or who seek to enter professions in the area of technical theatre. Students completing the additional general education requirements of the college receive an associate degree.

Required Courses:	Units
THA M01 Intro to the Theatre	3
THA M10 Production and Performance (taken twice)	3/3
THA M20 Stagecrafts	3
THA M23A Beginning Lighting Design	3
THA M23B * Advanced Lighting Design	3
THA M25A Beginning Scene Design	3
THA M25B * Advanced Scene Design	3
TOTAL minimum units required in major area	24

Recommended Courses: THA M02A, M04A/B, M15A/B

*NOTE: The following options may be substituted for courses marked with an **

COSTUME / MAKEUP DESIGN OPTION

THA M24 Costume / Makeup Design

SCENE PAINTING AND RENDERING DESIGN OPTION

THA M26 Scene Painting and Rendering

See Degree Requirements and Transfer Information section for General Education requirements.

Theatre Arts Courses**THA M01 -- 3 Units****Introduction to the Theatre**

Prerequisite: None

Class Hours: 3 lecture

Introduces theatre as an art form, emphasizing appreciation of its historical roots and its dramatic and cultural significance. Develops critical thinking and writing skills pertinent to the analysis of dramatic performances. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: DRAMA 18.*

THA M02A -- 3.5 Units**Beginning Acting**

Prerequisites: None

Class Hours: 2 lecture, 4.5 lab

Introduces the art of acting, emphasizing exercises that develop individual insight, technique, and concentration. Focuses on improvisation. Includes some scene work. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: DRAM 8*

THA M02B -- 3.5 Units**Intermediate Acting**

Prerequisite: THA M02A or equivalent level of skill

Class Hours: 2 lecture, 4.5 lab

Introduces more intermediate acting techniques, emphasizing characterization through exercises in pantomime and improvisation. Includes practical experience with scenes from plays and work with stage movement. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M02C -- 3.5 Units**Advanced Acting I**

Prerequisite: THA M02B or equivalent level of skill

Class Hours: 2 lecture, 4.5 lab

Introduces advanced acting techniques and characterization, refining timing, sense memory, and vocal styles. Requires performance in a variety of scenes from plays. Continues work with stage movement. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M02D -- 3.5 Units**Advanced Acting II**

Prerequisite: THA M02C or equivalent level of skill

Class Hours: 2 lecture, 4.5 lab

Further expands characterization, emphasizing timing, vocal styles and sense memory. Requires performance in a variety of scenes from plays. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M03 -- 3 Units**Voice and Diction**

Prerequisite: None

Class Hours: 3 lecture

Introduces theory and practice of voice control, emphasizing correct pronunciation, breathing control techniques, and regional and foreign dialects. Especially useful for those in theatre, forensics and broadcasting. May be taken two (2) times for credit. (Same course as RT M08 and THA M03). *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: DRAM 6*

THA M04A -- 3 Units**History of the Theatre**

Prerequisite: None

Class Hours: 3 lecture

Traces history of theatrical development from early Greek through the Italian Renaissance. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M04B -- 3 Units**History of the Theatre**

Prerequisite: None

Class Hours: 3 lecture

Traces history of theatrical development from English Renaissance to the present. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M09 -- 3 Units**Acting for Film and TV**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces techniques pertinent to film and television acting, including blocking, movement, rapid line learning, and use of microphones. Includes performance in student-directed films and television shows. May be taken four (4) times for credit. (Same course as RT M09). *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M10 -- 3 Units**Production and Performance**

Prerequisite: None

Class Hours: 144 rehearsal total

Provides credit for range of supervised activities relative to Moorpark College Theatre Arts productions. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M15A -- 3 Units**Beginning Stage Direction**

Prerequisite: THA M01 or THA M02A or THA M20

Class Hours: 2 lecture, 3 laboratory

Introduces art and craft of stage direction, including historical review. Includes practical experience directing scenes by major playwrights. Often coordinates activities with THA M02B/C/D. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M15B -- 3 Units**Intermediate Stage Direction**

Prerequisite: THA M15A

Class Hours: 2 lecture, 3 lab

Continues study of the art and craft of stage direction, including practical experience through student productions. Coordinates activities with THA M02A/B/C. *Applies to Associate Degree. Transfer credit: CSU; UC. CAN: DRAMA 12*

THA M16 -- 3 Units**Readers Theatre**

Prerequisite: None

Class Hours: 3 lecture

Introduces concepts and practices of oral interpretation of literature. Requires supervised performances in readers' theatre before community and college audiences. (Same course as SPCH M16). *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M17 -- 1.5 Units**Free Dance/Improvisation I**

Prerequisite: None

Recommended Preparation: Concurrent enrollment in modern dance

Class Hours: 1 lecture, 2 activity

Encourages joy of movement, allowing unique and creative expressions in dance. May be taken 4 times for credit. (Same course as DANC M20A). *Transfer credit: CSU; UC*

THA M20 -- 3 Units**Stagecrafts**

Prerequisite: None

Class Hours: 2 lecture, 3

Introduces theory and practice of set construction, emphasizing lighting and audio operations, painting, costuming, makeup, and special effects. Provides hands-on practice in all areas of performing arts production. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU; UC*

THA M21A -- 3 Units**Play Writing**

Prerequisite: None

Class Hours: 3 lecture

Develops writing skills for the theatre. Includes possible opportunity of production. (Same course as ENGL M25). *Applies to Associate Degree. Transfer credit: CSU*

THA M22A/B -- 1 to 3 Units Each
Independent Studies in Theatre

Prerequisite: A previous course in Theatre Arts

Class Hours: 1 to 3 as arranged

Allows an independent project (approved by instructor and dean) to expand knowledge of theatre arts through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

THA M04 - HISTORY of the History
CSU, UC pending

THA M23A -- 3 Units**Lighting Design I**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces the study of composition, control and instrumentation in theatrical lighting as well as the aesthetics of color, distribution, intensity and movement of light to create mood, time, location, and visibility. Emphasizes hanging, focusing and identifying stagelighting equipment as well as understanding the principles that underlie their design. Includes the basics of electricity. Provides hands-on experience through work on actual productions. *Applies to Associate Degree. Transfer credit: CSU; UC pending*

THA M23B -- 3 Units**Lighting Design II**

Prerequisite: THA M23A

Class Hours: 2 lecture, 3 lab

Focuses on the design aspect of stage lighting, developing a complete light plot and working schedule for a full-length play. Emphasizes projections and special effects. Includes practical application of computer software for lighting design and light plots. Provides hands-on experience through work on actual productions. *Applies to Associate Degree. Transfer credit: CSU; UC pending*

THA M24 -- 3 Units**Theatrical Costume and Makeup**

Prerequisite: None

Class Hours: 2 lecture, 3 laboratory

Introduces fundamentals of theatrical costume design and construction as well as the design and application of theatrical makeup. *Applies to Associate Degree. Transfer credit: CSU; UC pending*

THA M25A -- 3 Units**Scenic Design I**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces stage scenery as an interpretive and collaborative art. Develops floor plans and drawing techniques, builds models, and reviews drafting conventions that assist in learning design scenery applications. Includes visits to scenic studio to develop painters' evaluations and renderings. Provides hands-on experience through work on actual productions. *Applies to Associate Degree. Transfer credit: CSU; UC pending*

THA M25B -- 3 Units**Scenic Design II**

Prerequisite: THA M25A

Class Hours: 3 lecture, 2 lab

Explores various advanced elements of scenic design, emphasizing creative and investigative work. Provides practical applications ranging from simplified drawings/paintings to more sophisticated concepts that demonstrate an understanding of design principles. Enhances a play with a full set of drawings, painter's elevations, floor plans and models. Introduces Virus Walk Through Pro (3-D scenic studio program). *Applies to Associate Degree. Transfer credit: CSU; UC pending*

THA M26 -- 3 Units**Scene Painting/Rendering**

Prerequisite: None

Class Hours: 2 lecture, 3 lab

Introduces special painting techniques to transform scenery in an acting space into an appropriate and visually pleasing dramatic environment. *Applies to Associate Degree. Transfer credit: CSU; UC pending*

THA M80 -- 1 - 4 Units**Internship in Theatre Arts**

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.

Class Hours: 5 to 20 lab as arranged

Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *Applies to Associate Degree. Transfer credit: CSU, credit limitations.*

URBAN STUDIES

This is an interdisciplinary program focusing on major problems that stem from the complexities and pressures of the urban environment in a highly industrialized society. The degree may lead to employment in governmental and voluntary agencies concerned with planning and providing human services. Some students may wish to enter graduate study in such professional schools as city planning, public administration, social welfare, or law.

Career Opportunities

Most careers require bachelors or graduate degree.

City Planner, Public Administration, City Manager, Urban Economist, Recreation Specialist, Urban Historian, Elected Official, Law Enforcement, Urban Design and Redevelopment, Substance Abuse Specialist, Traffic Analyst, Community Relations

Dean

Al Nordquist, Phone (805) 378-1445

Faculty

Full-Time

Jack Miller

Counselor

Ofelia Romero-Motlagh

Urban Studies Courses

URBN M01A -- 3 Units**Contemporary Urban Issues**

Prerequisite: None

Class Hours: 3 lecture

Introduces study of urban areas and politics, focusing on political responses to changes in social organizations occurring as a consequence of population concentration and subsequent political, social and economic patterns and behaviors. Considers structural constraints (national-local and state-local relations) that limit local governments and the distribution of and response to political influence. Satisfies Title V United States Constitution requirement and the CA state and local government requirement. *URBN formerly Urban. Applies to Associate Degree. Transfer credit: CSU; UC*

URBN M01B -- 3 Units
Contemporary Urban Issues

Prerequisite: None
 Class Hours: 3 lecture
 Introduces ecological effects of urban growth; governmental structure and financing; cooperation and conflict between federal, state and local governmental bodies; housing; law enforcement; education; racial conflict; land use and urban renewal. Includes field research and library study. *URBN formerly Urban. Applies to Associate Degree. Transfer credit: CSU; UC*

URBN M22A/B – 1 to 3 Units Each
Independent Studies in Selected Urban Issues

Prerequisite: A previous course in Urban Studies
 Class Hours: 1 to 3 as arranged
 Allows an independent project (approved by instructor and dean) to expand knowledge of urban studies through research, lab work or field trips. Includes one-on-one work with instructor. May be taken for a maximum of 6 units. *URBN formerly Urban. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

URBN M60A-Z – 1 to 3 Units Each
Topics in Urban Studies

Prerequisite: To be determined
 Class Hours: To be determined
 Each course deals with a specific topic not covered in general offerings. When offered, each course is announced in the semester's Schedule of Classes. *URBN formerly Urban. Applies to Associate Degree. Transfer credit: CSU; UC credit limitations.*

URBN M80 -- 1 to 4 Units
Internship in Urban Studies

Prerequisite: Completion of or concurrent enrollment in one course in the discipline.
 Class Hours: 5 to 20 lab as arranged
 Provides on-the-job learning to enhance coursework under the direct supervision of faculty and industry supervisors. Both supervisors provide feedback and written evaluations. Some meetings and workshops may be required as part of the course. To take this course, contact the Internship Office: Call (805) 378-1400, ext. 1668. May be taken four (4) times for credit. *URBN formerly Urban. Applies to Associate Degree.*

URBN M89A-Z -- 0.5 to 3 Units Each
Institutes in Urban Studies

Prerequisite: Urban Service Personnel
 Class Hours: As arranged
 Series of short-term lectures/seminars on specialized urban issues designed for Urban Service Personnel. Only offered credit/no-credit. *URBN formerly Urban. Applies to Associate Degree. Transfer credit: CSU*

WOMEN'S STUDIES

As the richness and diversity of our society is recognized, issues and concerns of women are of importance to all women and men. These issues and concerns are explored through an interdisciplinary approach in the Women's Studies major. This program is recommended not only for students pursuing an A.A. degree but also for those transferring to a four-year college or university. Transfer students should consult the transfer requirements section of the catalog, which outlines the additional courses required by four-year institutions.

Dean

Al Nordquist, Phone (805) 378-1446

Faculty

Full-Time

Carol Ginet

Women's Studies Degree

Associate in Arts Degree.

Core Courses

Required Courses	Units
HUM M19 Women in Contemporary Society	3
PE M36A Analysis of Sexual Assault and Self Defense	2
ANTH M09 Anthropology of Women	3
HIST M12 History of American Women	3
HUM M18 Images of Women in Film	3
PSY M11 Psychology of Assertive Communication	3
SOC M04 Intimacy, Relationships, and Commitment	3
TOTAL	20

Required Additional Courses (select a minimum of 8 units):

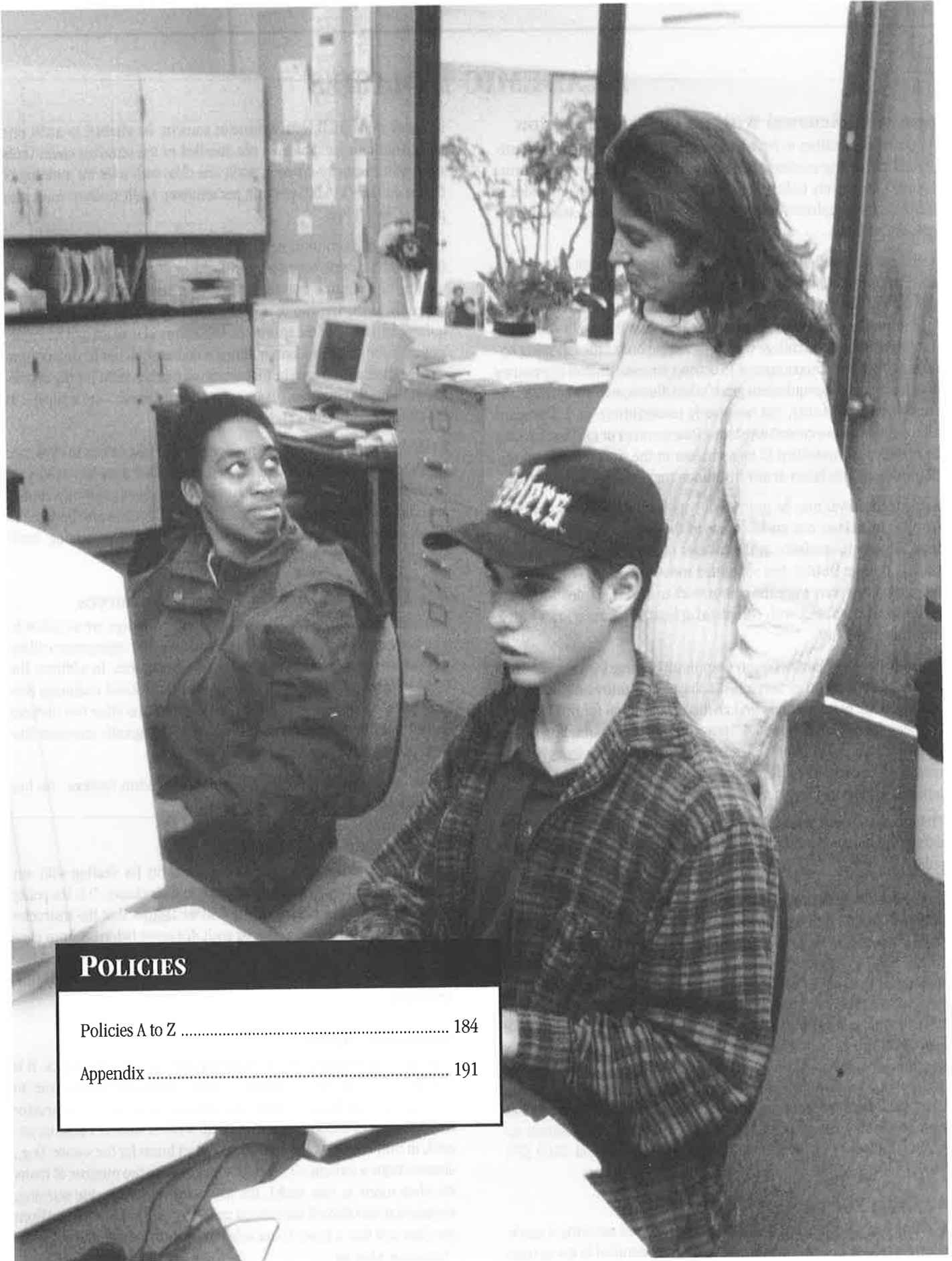
CHST M03 Chicana Issues/La Mujer	3
CD M36 Equity Issues in ECE	3
HED M02 Women's Health	2
HED M10C Women's Health Issues	5
HED M10F Stress Management	5
HED M10H Domestic Violence/Issues and Information	5
HED M10J Date Rape	5
HIST M14 Race and Gender in American History	3
PSY M13 Human Sexuality	3
SOC M07 Women in American Society	3
SOC M08 Ethnicity, Class, and Gender	3
TOTAL minimum units required in major area	28

WORK EXPERIENCE

Opportunities to earn credit for on-the-job learning are available. See alphabetical listing under Internships/Work Experience. Call the Internship Office at (805) 378-1400, ext. 1668.

ZOOLOGY

See courses in Biological Sciences



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ACADEMIC POLICIES

Academic Renewal Without Course Repetition

Students may petition to have a portion of previous college work disregarded in meeting academic requirements in the colleges of the Ventura County Community College District. Academic Renewal is intended to facilitate the completion of requirements necessary for an academic degree or certificate.

A student may petition, once only, to eliminate grade point calculations and credits from selected portions of previous college work which is not reflective of the student's present demonstrated ability and level of performance. The student may petition for Academic Renewal to disregard previous substandard college work by selecting one of the following options: 1. Disregard a maximum of 15 or fewer semester units of any courses with less than a C or equivalent grade taken during any one or two terms (maximum two terms), not necessarily consecutively; or 2. Disregard all courses from two consecutive terms (one summer or intercession may be regarded as equivalent to one semester at the student's discretion). Courses and units taken at any institution may be disregarded.

Academic renewal may be granted only to a student who; is currently enrolled in at least one credit course in the college; has completed at least 12 units in residence in the colleges of the Ventura County Community College District; has submitted transcripts of all College work; has waited two years since the course work to be disregarded was completed; and has subsequently completed at least 30 semester units with a minimum 2.40 GPA.

The colleges of the Ventura County Community College District will honor similar actions by other accredited colleges and universities in determining grade point averages and credits. The petition for this purpose, "Petition for Academic Renewal," is available in the Counseling Office. Upon granting the petition of Academic Renewal, the student's permanent academic record shall be annotated in such a manner that all work remains legible, insuring a true and complete academic history.

The student should be aware that other colleges or universities may have different policies concerning Academic Renewal and may not honor this policy.

Advertising/Poster Regulations

All flyers, posters, and advertisements that are posted on the Moorpark College campus must be stamped for approval by the Student Activities Office. Once approved, the items may be posted on the campus for a maximum of 30 days. Dated material advertising a certain event will be removed after the event has occurred. Unfortunately, the Student Activities Office cannot provide tacks, tape and staplers, so please bring your own when you come to campus. Please do not use duct tape or heavy shipping tape; it leaves a residue and is difficult to remove. Please be aware that advertisements may not be placed on glass or painted surfaces, the exterior of buildings, vehicles, or on sidewalks. We appreciate your cooperation in adhering to this policy. If you have questions regarding this policy, please call the Student Activities Office at (805) 378-1434.

Auditing Policy

Auditing enables a student to attend a class without receiving a grade, taking an exam, or earning unit credit. Students enrolled in ten or more

semester units shall, with instructor consent, be allowed to audit one class without a fee. Students not enrolled in ten semester credit units may, with instructor consent, audit one class with a fee for auditing of fifteen dollars (\$15.00) per unit per semester. Audit students must also pay the Health Fee.

Priority in class enrollment shall be given to students desiring to take the course for credit towards a certificate or degree. Therefore, students wishing to audit may register for classes in audit status by special petition only in the last two days of the add/drop period. This petition requires permission of the instructor. Laboratory classes are not normally available for audit. Students auditing a course shall not be permitted to change their enrollment in that course to receive credit for the course. Petitions for this purpose, "Petition to Audit a Course," are available in the Office of Admissions and Records.

Students auditing a course are not permitted to take exams in class, nor are they permitted to challenge the course at a later date. Instructors are under no obligation to grade assignments of students auditing a course. Attendance requirements for students auditing courses are the same as for all other students as stated elsewhere in this college catalog. Audit fees are nonrefundable.

Availability of District Library Resources

The libraries at Moorpark, Oxnard and Ventura College are available to a student enrolled at any of the three colleges. The appropriate college identification card may be used at the college libraries. In addition, the Total Interlibrary Exchange (TIE) and the Black-Gold Exchange Systems permit a student to request materials from the other two libraries as well as from all members of the systems. This greatly increases Students' access to library resources.

Please see Moorpark College Library under "Student Services" for further details.

Cheating or Plagiarism

Instructors have the responsibility and authority for dealing with any cheating or plagiarism which may occur in their classes. It is the policy of the Ventura County Community College District that the instructor may dismiss a student involved in such dishonest behavior from class with a grade of "F." In addition, the faculty member may direct the matter to the Executive Vice President of Student Learning for further disciplinary action.

Class Attendance

Students are responsible for maintaining regular class attendance. It is also the responsibility of students, at the beginning of the semester, to become aware of the attendance and absence policies of the instructor for each class in which they are enrolled. When a student's absence exceeds in number 1/9 of the total class contact hours for the session (e.g., absence from a semester-long class equal to twice the number of hours the class meets in one week), the instructor may, after due warning, request that the Office of Admissions and Records drop such student from the class and that a grade be recorded in accordance with the policy for "Dropping a Course."

If other eligible students are present and seeking admission to a class, failure of a student to be present at the first scheduled meeting of that class may result in exclusion from that class.

In the event of being dropped or excluded, the student may petition the instructor for reinstatement when just cause for absence exists.

College Board Advanced Placement

Moorpark College grants college credit for successful completion of Advanced Placement Program examinations of the College Board. Students who complete special advanced placement courses in high school and who present scores of three or higher (3, 4, or 5) for the Advanced Placement Examinations to the College's Office of Admissions will receive credit for specific college courses. A student may not enroll in any course for which Advanced Placement exam credit has been allowed. The following table indicates equivalencies and credit allowances at Moorpark College. Other colleges or universities do have different policies concerning advanced placement and may not honor this policy. It is also possible that other colleges and universities may not honor Moorpark College transcript entries which award advanced placement credit for regularly offered credit courses

All examinations require a score of 3, 4, or 5.

Examination	College Credit	M.C. Course Equivalencies
American Government	3 Units	PS M03
American History	6 Units	HIST M07A, M07B
Art: History	6 Units	ART M01A, 3 Units Humanities electives
Art: Studio Drawing	6 Units	3 Units Fine Arts/GE, 3 Units Humanities electives, Consult Art Department
Art: Studio General	6 Units	3 Units Fine Arts/GE, 3 Units Humanities electives, Consult Art Department
Biology	6 Units*	BIOL M02A, M02B (No lab Units)
Chemistry	10 Units*	CHEM M01A, M01B (No lab Units)
English Language and Composition	6 Units	ENGL M01A, 3 Units of elective credit
English Literature and Composition	6 Units	ENGL M01A, M01B
European History	3 Units	HIST M01B
French Language	8 Units	FREN M01, M02
French Literature	8 Units	FREN M03, M04
German Language	8 Units	GERM M01, M02
Mathematics Calculus AB	5 Units	MATH M25A
Mathematics Calculus BC	5 Units	MATH M25B
Physics B	8 Units*	PHYS M10A/M10B (No lab Units)
Physics C Mechanics	4 Units*	PHYS M20A (No lab units)
Physics C Elec. & Magnetism	4 Units*	PHYS M20B (No lab units)
Spanish Language	8 Units	SPAN M01, M02
Spanish Literature	8 Units	SPAN M03, M04

*Does not meet lab requirement for General Education.

Course Repetition

A course in which a grade of C or better has been earned may not be repeated except as identified in the catalog course description or as stated below. Courses taken at any college in which a grade of D, F, NC or other substandard grade has been earned may be repeated for the purpose of improving a recorded grade. This policy may apply more than once to any particular course. A course taken at another institution, in which a substandard grade was earned, may be repeated at the colleges of the Ventura County Community District, subject to this policy. In order to identify acceptable equivalencies, course equivalency shall be determined chiefly by content, as defined in the catalog course description, and not by course title or units. Prior approval for course repetition shall be required. The petition for this purpose, "Petition for Course Repetition," is available in the Counseling Office.

Upon completion of the repeated course, the previous grade earned shall be omitted from the computation of the cumulative grade point average and lined through on the permanent record. The permanent record shall be annotated in such a manner that all work remains legible, insuring a true and complete academic history.

Students should understand that other colleges or universities may not accept credit for work which represents a repetition of high school work. In addition, there is no assurance that repeated courses resulting in an improvement in grade will be accepted by other colleges or universities.

Repetition of General Education Credit

Lower-division credit units previously earned by a student to fulfill general education requirements for a baccalaureate degree may be accepted to fulfill general education requirements for a designated associate degree only.

Credit by Examination

Granting unit credit for a course by examination is based on the principle that previous experience, training, or instruction is the equivalent of a specific course taught by the college. If an examination indicates that the student possesses adequate equivalency and mastery of the subject, credit may be granted. All courses shall be open to credit by examination unless specifically exempted. Each division of the college shall determine the courses for which credit by examination may be granted and the Office of Instruction shall maintain a current list of courses excluded from this policy. For the purpose of this policy, a course shall mean an organized area of instruction as described in the college catalog. A student should be advised that the use of units given by credit by exam to establish eligibility for athletics, financial aid, and veterans benefits are subject to the rules and regulations of the external agencies involved.

Exceptions to the above may be made when necessary to meet provisions of California state law or the rules and regulations of state agencies governing programs of the California Community Colleges.

Credit by examination may be granted only to a student who: is currently enrolled in at least one course in the college; has completed at least 12 units in residence in the colleges of the Ventura County Community College District; is not on academic probation; has submitted transcripts of all previous course work; has not earned college credit in more advanced subject matter; and, has not received a grade (A, B, C, D,

Policies

F, CR, NC) or equivalent, in the course for which he or she is seeking credit by examination at this or any other educational institutions. A student seeking credit by examination will receive a CR (credit) if he or she satisfactorily passes the examination; no other grade will be recorded. Students who are unsuccessful in an attempt to challenge by examination will not receive a NC (no credit) and no record of the attempt for credit by examination will appear on a student's transcript. However, students may challenge a course only once. A student may challenge no more than 12 units (or 4 courses) under the Credit by Examination policy towards an Associate degree or Certificate of Achievement. The amount of unit credit granted by examination to an individual shall not count towards the minimum 12 units required for residency. Credit by examination may be granted in only one course in a sequence of courses, as determined by prerequisites and may not be granted for a course which is prerequisite to the one in which the student is currently enrolled.

Exceptions to the proposed statement are permitted for each college in those occupational programs where curriculum makes this necessary. The exceptions are as follows:

- 1) The 12 unit residency requirement is suspended, permitting students to petition for Credit by Examination prior to completion of that requirement; when the residency requirement has been met, the course(s) successfully challenged shall be added to the student's record.
- 2) Credit by Examination may be granted for more than one course in a sequence of required courses, when approved by the administrator responsible for vocational programs.

The petition for this purpose, "Petition for Credit by Examination," is initiated in the Counseling Office. Approved petitions must be on file with the administering instructor by Friday of the tenth week of the semester. The examination is to be administered prior to the last day of the final examination period.

Credit (CR) is assigned for work of such quality as to warrant a letter grade of C or better. Transcript entries shall distinguish credits obtained by examination from credits obtained as a result of regular course enrollment. The student's academic record shall be clearly annotated to reflect that credit was earned by examination. Students should be aware that other colleges may not accept credit by examination for transfer purposes.

The following courses may not be taken under the "Credit by Examination" option: ANTH M05, HIST M60T, NS M49, PHOT M04, M09, RADT M49, and all Dance and PE activity courses.

Credit for Military Service

The colleges of the Ventura County Community College District will recognize and grant credit to service personnel for formal educational training completed in the United States armed forces provided such credit is not a duplication of work taken previously.

Service personnel may be allowed credit for formal service school courses offered by the United States Military Service recommended in the Guide to the Evaluation of Educational Experiences in the Armed Services of the American Council on Education. The credit allowed will be based upon the recommendations specified in the Guide. The maximum amount of credit which may be allowed toward satisfaction of college

requirements shall be 12 units.

Service personnel will be allowed full advanced standing credit for college-level courses completed under the auspices of the Defense Activity for Nontraditional Education Support (DANTES) or the United States Armed Forces Institute (USAFI) as recommended in the Guide to the Evaluation of Educational Experiences in the Armed Services of the American Council on Education. Service personnel will be allowed full advanced standing credit for college-level courses completed at the Naval Construction Training Center (NCTC) at Port Hueneme based upon the recommendations of the Accredited Institutions of Postsecondary Education of the American Council of Education. Such credit will be treated in the same manner and under the same policies as allowing credit from regionally accredited colleges and universities.

Any work taken by service personnel while in military service at a regionally accredited college or university and for which the college or university issues a regular transcript showing the credits allowable towards its own degrees, will be allowed advanced standing credit toward the Associate Degree in the same manner as if the student had pursued the courses as a civilian.

Credit/No Credit Options

Colleges of the Ventura County Community College District may offer courses in two Credit/No Credit (CR/NC) options; 1. Courses which are offered on a Credit/No Credit basis only; and 2. Courses in which students may elect the Credit/No Credit option.

The first category includes those courses in which all students in the course are evaluated on a Credit/No Credit (CR/NC) basis as indicated in the course description in this catalog. This CR/NC grading option shall be used to the exclusion of all other grades in courses for which there is a single satisfactory standard of performance and for which unit credit is assigned. Credit shall be assigned for meeting that standard, No Credit for failure to do so.

The second category of Credit/No Credit options is comprised of courses designated by the college wherein each student may elect by no later than the end of the first thirty percent (30%) of the term or length of the class whether the basis of evaluation is to be Credit/No Credit or a letter grade. Once the thirty percent (30%) deadline has passed, the request cannot be withdrawn and the student becomes ineligible to petition to change a grade. It is the student's responsibility to notify the instructor of his or her intent to be graded on a Credit/No Credit basis and to file the appropriate form, otherwise a letter grade will be assigned. The petition for this purpose, "Request for Credit/No Credit," is available in the Records Office.

All units earned on a Credit/No Credit basis in accredited California institutions of higher education or equivalent out-of-state institutions shall be counted in satisfaction of community college curriculum requirements.

A student may apply a maximum of 20 units of credit earned under the Credit/No Credit option to an A.A. or A.S. degree or Certificate of Achievement. Exceptions to this unit limitation will be granted only to students enrolled in the designated occupational programs specified in the Credit by Examination policy of this catalog. Credit (CR) is used to denote "passed with credit" when no letter grade is given. Credit is assigned for work of such quality as to warrant a letter grade of C or better.

Units earned on a Credit/No Credit basis shall not be used to calculate grade point averages. However, units attempted for which NC is recorded shall be considered in probation and dismissal procedures.

Students should be aware that other colleges and universities may restrict the acceptance of courses taken on a Credit/No Credit basis, especially for satisfaction of major requirements.

Customized Services to Agencies/Vocational Programs

Agencies desiring support services for their clients will be charged a fee if such services are not normally provided to regular students. For additional information contact the Office of Institutional Advancement at (805) 378-1405.

Dean's List

Special recognition is accorded students who complete a program of 12 or more units in letter grades with a 3.50 grade point average or higher during a semester. These students are placed on the Dean's List and given appropriate recognition on campus and in the community. Students attending Moorpark College and concurrently enrolled at Oxnard and/or Ventura College may request that the units be combined for eligibility for the Dean's List. Students attending more than one campus during any semester may choose one campus for placement on the Dean's List.

Educational Workload

A student's educational workload generally consists of fifteen (15) units of work per semester in order to make normal progress toward the A.A./A.S. degree and/or transfer requirements. Students desiring to take an overload of more than nineteen and a half (19.5) units but less than twenty-two (22) must have a counselor's approval. Students desiring to take twenty-two (22) units or more must have the approval of the Vice President, Student and Educational Services in addition to the counselor's approval.

Extension Course Credit

Normally credit is not granted for extension course work, including correspondence courses. The acceptance of such units for credit by the college will depend on the treatment of the particular course by the institution which offered the course. A petition for acceptance of such course work should be accompanied by material which explains the course content and indicates the kind of credit given by the offering institution.

In cases where the granting of credit for extension or correspondence courses is petitioned, it may be required that the student's competency in such course work be validated according to credit-by-examination procedures, as explained elsewhere in this section.

Field Trips

Field trips are required activities for a number of courses in the college curriculum. For any such courses it is intended that they be clearly identified in the college catalog and in the schedule of classes. For other courses, a field trip may be an optional activity for the students enrolled. According to policy adopted by the college district's Governing Board, all persons making any type of field trip or excursion shall be deemed to have waived all claims for injury, accident, illness, or death occurring during or by reason of the field trip or excursion.

Full-Time Student

A student is defined as full time if carrying 12 or more units in the regular semester or 4 units in the summer session. While students may qualify for benefits if enrolled in 12 units, 15 units is the minimum units per semester for traditional transfer and graduation-bound students.

Grade Changes

In any course of instruction in a college of the Ventura County Community College District for which grades are awarded, the instructor of the course shall determine the grade to be awarded each student in accordance with the grading system dealing with academic record symbols and grade point average. The determination of the student's grade by the instructor shall be final in the absence of mistake, fraud, bad faith or incompetency. Procedures for the correction of a grade given in error shall include expunging the incorrect grade from the record. The petition for this purpose, "Petition to Change Grade," is available in the Office of Instruction.

Withdrawal from a class may be authorized after the designated time limit by petition only in extenuating circumstances of verified cases of accidents, illnesses or other circumstances beyond control of the student. Approved petitions shall result in a "W" recorded on a student's academic record. The petition for this purpose, "Petition to Change Grade to Withdrawal," is available in the Office of Instruction. When grade changes are made, the students' permanent academic record shall be annotated in such a manner that all work remains legible, insuring a true and complete academic history.

Grading Practices

Work in all courses acceptable in fulfillment of the requirements for associate degrees, certificates, diplomas, licenses, or baccalaureate-level work shall be graded in accordance with the provisions adopted by the District Governing Board for the following sections which relate to the letter grading scale, the Credit/No Credit options, or Credit by Examination.

Grading System

The quality of a student's work will be measured by the following letter grades:

Symbol	Definition	Grade Points/Semester Unit
A	..... Excellent	4 points per semester unit
B	..... Good	3 points per semester unit
C	..... Satisfactory	2 points per semester unit
D	..... Passing, less than satisfactory ..	1 point per semester unit
F	..... Failing	0 points per semester unit
CR	.... Credit (at least satisfactory)	Units awarded not counted in GPA
NC	.... No Credit (less than satisfactory, or failing)	Units not counted in GPA

Grades from the letter grading scale shall be averaged on the basis of the numerical grade point equivalencies to determine a student's grade point average (GPA).

The District Governing Board has authorized the use of only the non-evaluative symbols I, RD and W which are defined in the following paragraphs:

I - Incomplete

Students who are at the end of a term and have failed to complete the required academic work of a course because of unforeseeable, emergency, and justifiable reasons may receive a symbol "I" (Incomplete) on their records. The conditions for receiving a letter grade and for the removal of the "I" must be stated by the instructor in a written record which must also state the grade to be assigned in lieu of the removal of the "I." This record must be given to the student and a copy is to be placed on file with the Registrar until the conditions are met (the "I" is made up) or the time limit is passed. A final grade shall be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed. The "I" may be made up no later than one year following the end of the term for which it was assigned.

The "I" symbol shall not be used in calculating units attempted nor for grade points.

RD - Report Delayed

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

W - Withdrawal

A student may withdraw from a class through the last day of the fourteenth week of instruction for full-semester classes or through seventy-five percent (75%) of a class less than a semester in length. The academic record of a student who remains in a class beyond this time limit must reflect a grade other than a "W." No notation ("W" or other) shall be made on the academic record of the student who withdraws during the first four weeks of a term or thirty percent (30%) of a term, whichever is less. Withdrawal between the end of the fourth week and the last day of the fourteenth week of instruction for full-semester classes or through seventy-five percent (75%) of a class less than a semester in length shall be recorded as a "W" on the student's record.

Forms for this purpose are available in the Records Office.

Grievance Policy

A complete description of the College Grievance Policy and the Student Conduct Code are contained in Appendices V and VII. Students seeking information about these policies should consult the EXECUTIVE VICE PRESIDENT, STUDENT LEARNING.

Independent Studies

The intent of Independent Studies is to enable students to further explore particular aspects of a subject by studying it in depth under the direction of an authorized instructor in that discipline. The student is expected to have completed a previous course in the subject matter. Students wishing to enroll in Independent Studies must be enrolled in at least three other units of course work at Moorpark College for the semester in which the Independent Study is to be taken. A student may be enrolled in no more than two independent studies in one semester and no more than one course in a discipline in a semester. A maximum of twelve total units of Independent Studies course work may be taken at Moorpark College, with a maximum of six units in one discipline. Students wishing to do Independent Studies should contact an instructor in the discipline in order to develop a program of study.

Offering of Course as Described in Catalog

Occasionally there may be course changes concerning prerequisites, contents, hours, or units of credit made after publication of catalog. Efforts will be made through the class schedules, public media, and at time of registration to notify students of any changes in the course descriptions as presented in this catalog.

Prerequisites, Corequisites, and Recommended Preparation

PREREQUISITE means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills or a body of knowledge that a student must possess prior to enrollment and without which the student is highly unlikely to succeed in the course or program. For example, a student enrolling in general chemistry will have difficulty without adequate preparation in algebra.

COREQUISITE means a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. A corequisite represents a set of skills or a body of knowledge that a student must acquire through concurrent enrollment in another course and without which the student is highly unlikely to succeed.

Recommended preparation states the preparation suggested by the faculty to successfully complete a particular course. While encouraged to do so, students do not have to satisfy recommended preparation guidelines to enroll in a course.

Course prerequisites, corequisites or recommended preparation are specified within course descriptions announced in this catalog; they are also specified in the schedule of classes. A course has no prerequisites or corequisites unless so designated. Students must have satisfied the prerequisite or corequisite requirements for all courses in which they enroll.

Prerequisites have been established as a means of enhancing student success. Computerized admission procedures may deny students access to courses with prerequisites. It is highly recommended that students carefully review prerequisites before enrolling in classes.

Challenging a Prerequisite or Corequisite

It is recognized that students may have preparation equivalent to the stated prerequisites or corequisites or may wish to challenge a prerequisite or corequisite as allowed by state law. The petition for challenging a prerequisite or corequisite is available in the Counseling Office. The student shall bear the initial burden of showing that grounds exist for the challenge. The following is a list of the grounds under which a challenge may be pursued:

- 1) The student will be subject to undue delay in attaining the goal of his or her educational plan because the prerequisite or corequisite course has not been made reasonably available.
- 2) The prerequisite or corequisite is not valid because it is not necessary for success in the course for which it is required (student documentation required).

- 3) The prerequisite or corequisite is unlawfully discriminatory or is being applied in an unlawfully discriminatory manner (student documentation required).
- 4) The student has the knowledge or ability to succeed in the course despite not meeting the prerequisite or corequisite (student documentation required).

Probation, Dismissal, and Readmission of Students

Probation, dismissal, and readmission policies and procedures are designed to assist students in making progress toward realistic academic, career, and personal goals.

Standards for Probation

A student who has attempted at least twelve (12) semester units as shown by the official academic record shall be placed on academic probation if the student has earned a grade point average below 2.0 in all units which were graded on the basis of the grading scale established by the Ventura County Community College District.

A student who has enrolled in a total of at least twelve (12) semester units as shown by the official academic record shall be placed on progress probation when the percentage of all units in which the student has enrolled and for which entries of "W," "I," and "NC" are recorded reaches or exceeds fifty percent (50%).

A student transferring to a college of the Ventura County Community College District from another college is subject to the same probation and dismissal policies as students of this college district.

Note: Probationary status is computed using only courses taken since Fall, 1981. Courses taken prior to Fall, 1981, are not in the computer data file and are not included in the calculation of probation. This may alter your probationary status.

Special Note to Students Claiming Veterans Benefits: A veteran is placed on academic probation when less than 50% of units attempted are completed, less than 2.0 semester grade point average was earned, or less than 2.0 cumulative grade point average is earned. Unsatisfactory progress is defined as being on academic probation for two consecutive semesters. The school will report unsatisfactory progress to the VA, resulting in termination of benefits. The veteran must receive academic counseling before benefits will be reinstated.

Notification of Probation

Each college in this District shall notify a student who is placed on probation at or near the beginning of the semester in which it will take effect but, in any case, no later than the start of the fall semester. The student grade report, provided for each enrolled student at the end of each term, specifies the student status for both academic and progress categories as either good standing or probation. A student placed on probation is, as a condition of continuing enrollment, to receive individual counseling, including the regulation of his or her academic program. Each student shall also receive any other support services to help the student overcome any academic difficulties.

Removal from Probation

A student on academic probation for a grade point deficiency shall be removed from probation when the student's cumulative grade point average is 2.0 or higher.

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

Standards for Dismissal

A student who is on academic probation shall be dismissed if the student earned a cumulative grade point average of less than 1.75 in all units attempted in each of three consecutive semesters.

A student who has been placed on progress probation shall be subject to dismissal if the percentage of units in which the student has been enrolled and for which entries of "W," "I," and "NC" are recorded in at least three consecutive semesters reaches or exceeds fifty percent (50%).

Notification of Dismissal

Each college in the Ventura County Community College District shall notify a student who is dismissed at or near the beginning of the semester in which it will take effect but, in any case, no later than the start of the fall semester. The student grade report, provided for each enrolled student at the end of each term, specifies the student status for both academic and progress categories as either good standing or dismissed. A student who is dismissed has the right of appeal. An exception to academic dismissal may be made only in the event of extreme and unusual medical and/or legal circumstances that can be supported by evidence provided by the student, or in the event of improved scholarship. The petition for this purpose, "Petition for Continued Enrollment or Readmission," is available in the Counseling Office.

Continued Enrollment or Readmission

A student applying for continued enrollment or readmission must submit a petition to explain what circumstances or conditions would justify continued enrollment or readmission. A student applying for readmission shall not be reinstated until a minimum of one semester has elapsed after academic dismissal. A student who is petitioning shall receive counseling to assess his or her academic and career goals and must have counselor approval of his or her educational program prior to registration. The petition for this purpose, "Petition for Continued Enrollment or Readmission," is available in the Counseling Office.

Counseling Services

Counseling services will be provided for students on academic or progress probation or subject to dismissal. Students on probation and subject to dismissal may have units limited and courses or an educational plan prescribed subject to the professional judgment of the counselor. Students subject to academic dismissal shall be required to meet with a counselor prior to registration.

Campus Solicitation

The solicitation, selling, exposing for sale, offering to sell, or endorsing any goods, articles, wares, services or merchandise of any nature whatsoever for the purpose of influencing lease, rental or sale at a college is prohibited except by written permission of the District Chancellor, President of the college or the President's designee. This policy applies to all students, staff and citizens.

Transfer Credit from Foreign Colleges and Universities

Students wishing to receive credit for previous course work from foreign colleges or universities must have their transcripts evaluated by an approved credential evaluation service. Students may receive information regarding the credential evaluation service from the Moorpark College International Student Office or Counseling Department.

Course work attempted will normally be lower-division unit credit only. Requests for equivalent course credit are evaluated on an individual basis, based upon the recommendations of the transcript evaluation service and by the appropriate college discipline.

Transfer Credit from Regionally Accredited Colleges and Universities

Students transferring to the Ventura County Community Colleges from colleges accredited by the recognized regional accrediting associations will normally be granted lower-division credit for courses entered on officially certified transcripts. These transcripts must be sent to the Office of Admissions. They will be evaluated based upon the current Transfer Credit Practices of appropriate associations.

Students transferring to the Ventura County Community College District from other regionally accredited colleges and universities, are required to declare all previous college work. Failure to provide complete information may result in dismissal from the Ventura County Community Colleges.

Unit Requirements for Benefits

In order to qualify for certain benefits, minimum unit requirements must be maintained as follows:

Automobile & Medical Insurances	12.0 units
Athletic Eligibility	12.0 units
Student Government	12.0 units
Social Security Benefits	12.0 units
Student Loan Deferments —	
Full-time	12.0 units
Half-time	6.0 units
Financial Aid	Contact Financial Aid Office
Veteran and war orphan benefits under GI Bill —	
Full subsistence	12.0 units
3/4 subsistence	9.0 units
1/2 subsistence	6.0 units
Less than 1/2 time - Please contact VA Specialist in Admissions & Records Office for details regarding eligibility.	

Use of Listening or Recording Devices

State law in California prohibits the use by anyone in a classroom of any electronic listening or recording device without prior consent of the teacher and school administration. Any student who has need to use electronic aids must secure the consent of the instructor. If the instructor agrees to the request, the notice of consent will be filed with the Vice President, Instructional Services.

Withdrawal from Class

It is the student's responsibility to initiate a withdrawal when the withdrawal is desired by the student. Forms for this purpose are available in the Records Office.

Students or instructors may initiate a withdrawal through the end of the fourth week of instruction for full-semester classes or during the first thirty percent (30%) of a class less than a semester in length. This action results in no record of dropped classes on students' academic records (grade card or transcript).

Students or instructors may initiate a withdrawal between the end of the fourth week and the last day of the fourteenth week for

full-semester classes, or through the first seventy-five percent (75%) of a class less than a semester in length. Withdrawal shall be authorized after informing the appropriate faculty. This action shall be recorded as "W" on students' academic records.

The academic record of a student who remains in a class beyond this time must reflect a grading symbol other than "W."

The "W" shall not be used in calculating grade point averages, but excessive "W's" shall be used as factors in probation and dismissal procedures.

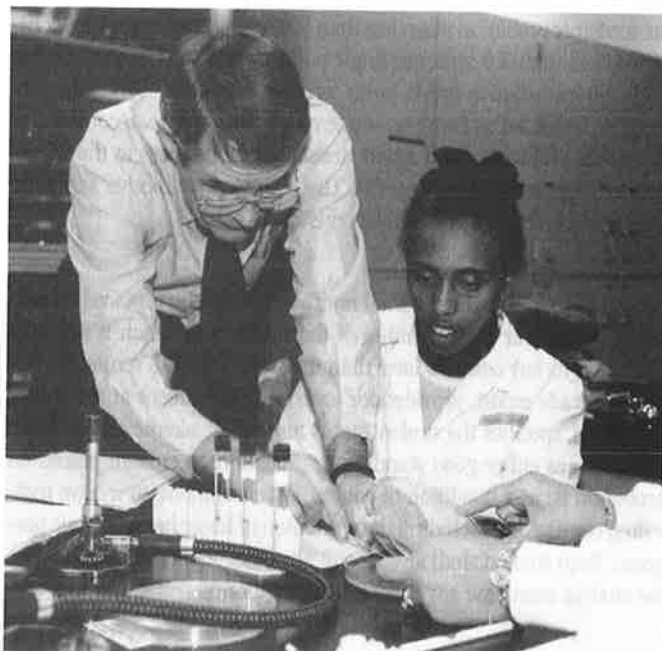
Withdrawal from a class may be authorized after the designated time limit by petition only in extenuating circumstances of verified cases of accidents, illnesses or other circumstances beyond the control of the student. Approved petitions shall result in a "W" recorded on a student's academic records. The petition for this purpose, "Petition to Drop after Deadline," is available in the Office of Admissions and Records.

All requests for withdrawal from class or withdrawal from college must be in writing and include the student's signature.

Withdrawal from College

It is the student's responsibility to formally withdraw from all classes if he or she intends to withdraw from college. A student who withdraws after the end of the fourth week of instruction for full-semester classes or after the end of the first thirty percent (30%) of a term for short-term or less than full-semester classes shall have an entry made on his or her permanent record in accordance with the regulations specified in the Withdrawal from Class policy.

Forms for this purpose are available in the Records office.



APPENDIX

Appendix I Privacy Rights Governing Student Records

The colleges in this District establish and maintain information on students relevant to admission, registration, academic history, career, student benefits or services, extra-curricular activities, counseling and guidance, discipline or matters related to student conduct, and shall establish and maintain such information required by law.

Right of Access

Any currently enrolled or former student has a right of access to any or all student records relating to the student maintained by this District. The editing or withholding of such records is prohibited except as provided by law.

Requests for access shall be in writing, addressed to the Executive Vice President, Student Learning at the college of attendance. Requests by students to inspect and review records shall be granted no later than 15 days following the date of request. The inspections and review shall occur during regular school hours. The Executive Vice President, Student Learning shall notify the student of the location of all official records which have been requested and provide personnel to interpret records where appropriate.

Student records are maintained in a manner to ensure privacy of all such records and the colleges in this district shall not, except as authorized, permit any access to or release of any information therein.

Access to student records may be permitted to any person for whom the student has executed written consent specifying the records to be released and identifying the party to whom the records may be released. Information concerning a student shall be furnished in compliance with a lawfully issued subpoena. The College shall make a reasonable effort to notify the student in advance of such compliance if lawfully possible within the requirements of the judicial order.

One exception, which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College or District in an administrative, supervisory, academic or research, or support staff position (including law enforcement personnel and health staff); a person or company with whom the College or District has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Students may request copies of records for review. A fee of \$3 will be charged.

Directory Information

The colleges in this District maintain directory information which may be released: student's name, address, telephone number, and place of birth, major field of study, class schedule, participation of officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous public and private school attended by the student.

Students may indicate that directory information which shall not be released providing written notification is given the Executive Vice President, Student Learning at the college of attendance at the time of enrollment or earlier if the activity occurs prior to the opening of school.

Challenge

Any student may file a written request with the President of the college or the designee to remove student records which the student alleges to be: (1) inaccurate, (2) an unsubstantiated conclusion of inference, (3) a conclusion or inference outside of the observer's areas of competence, (4) not based on personal observations of the named person with the time and place of the observation noted.

Students filing a written request shall be provided a hearing and receive, in writing, a decision either sustaining or denying the allegations. Allegations which have been denied by the college may be further appealed to the Chancellor of the Ventura County Community College District or his designee. Allegations which have been denied by the Chancellor may be further appealed to the Governing Board of the Ventura County Community College District who shall meet with the student, within 30 days of receipt of such appeal, to determine whether to sustain or deny the allegations. All decisions of the Governing Board shall be final.

Appendix II Statement of Nondiscrimination

The Ventura County Community College District and its three colleges -- Moorpark College, Oxnard College, and Ventura College -- are committed to providing an equal opportunity for admissions, student financing, student support facilities and activities, and employment regardless of race, color, religion, sex, national origin, handicap, age, marital status or Vietnam veteran status, in accordance with the requirements of Title IX of the Education Amendments of 1972, Title VII of the Civil Rights Act of 1964 (as amended by the Equal Employment Opportunity Act of 1972), sections 503 and 504 of the Rehabilitation Act of 1973 and the Rehabilitation Act Amendments of 1974, Executive Order 11246 (as amended by Executive Order 11375), and the Federal Age Discrimination Employment Act of 1967 and the Age Discrimination Employment Act Amendments of 1978 and the Americans with Disabilities Act of 1992. The 504 coordinator is Floyd Thionnet, phone (805) 378-1431.

Equal Opportunity Act

The Ventura County Community College District subscribes to and promotes the principles and implementation of Equal Opportunity and Affirmative Action.

Pursuant to the provisions of Assembly Bill 803, the Governing Board has adopted a policy and procedure to ensure that its programs and activities are available to all persons without regard to ethnic group identification, religion, age, sex, color, or physical or mental disability. Both the policy and the procedure apply to students, employees, and applicants.

Inquiries regarding these laws and regulations, and the corresponding Board policies may be directed to the District Affirmative Action Officer -- c/o District Office, 333 Skyway Drive, Camarillo, California 93010, phone: (805) 384-8300.

**Appendix III
Sexual Harassment Complaint Procedure**

I. INTRODUCTION

The Ventura County Community College District (“the District” is committed to providing a positive climate for study and work in which individuals are judged solely by relevant factors such as ability and performance and are free to pursue their academic and work activities in an atmosphere that is free from coercion and intimidation. The District strives to ensure that its programs are available to all persons without regard to ethnic group identification, religion, age, sex, color or physical or mental disability. Sexual harassment of students by students, faculty, or other District employees and sexual harassment of employees by students, those in a position to affect their employment status or by other employees in the work unit is inimical to such an atmosphere and will not be condoned.

II. DEFINITION OF HARASSMENT

The District has adopted a definition of sexual harassment that will be applied in determining whether or not particular conduct constitutes sexual harassment. This definition parallels the definition of sexual harassment set forth in the Equal Employment Opportunity Commission Guidelines 29 C.F.R. 1604.11 and the California Education Code 212.5. Sexual harassment shall be defined as:

Unwelcome sexual advances, requests for sexual favors, and other verbal, visual or physical conduct of a sexual nature, made by someone from or in the work or educational setting when:

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

Unlawful harassment may take many forms including but not limited to the following: Making or threatening reprisal after rejection of a sexual advance; leering; making sexual gestures; displaying of sexually suggestive pictures, objects, cartoons, or posters; making or using derogatory comments, epithets, slurs or jokes; verbal sexual advances or propositions; verbal abuse of a sexual nature; graphic verbal comments about an individual’s anatomy; sexually degrading words used to describe individual; suggestive or obscene letters, notes, invitations; touching; assault; impeding or blocking movement.

III. REPORTING SEXUAL HARASSMENT

Whether particular conduct constitutes unlawful harassment must be determined on a case-by-case basis, taking into account such factors as the type, extent, and circumstances of the conduct. For this reason, all employees and students are encouraged to bring to the prompt attention of the District any conduct which they believe to be unlawful harassment.

Often unwelcome, harassing, or otherwise inappropriate conduct can be stopped promptly with notice and the opportunity for the District to address the situation.

Any incident of harassment by any District employee or student, or any other person, should be reported promptly to the following persons designated for receiving and investigating complaints:

Moorpark College:

Denice Avila, Counselor (805) 378-1417
Mr. Rene Rodriguez, Dean (805) 378-1404
Lisa Putnam, Administrative Aide (805) 378-1445

District Office:

Cheryl Shearer, Director of Economic Development (805) 384-8316
Shelley Signor, Human Resources Clerk (805) 384-8354

The role of these investigators is to investigate any complaints of sexual harassment and report the results of their investigation to the college President and the Deputy Chancellor. The college President and/or the Deputy Chancellor shall determine whether additional investigation is necessary and what remedial and/or disciplinary action is appropriate.

You are not required to complain to any one whom you believe is harassing you, or whom you feel may retaliate should you make such a report to that person. In such an event, please report the incident to one of the other designated persons. You may report your complaint to any of these individuals regardless of what campus or job location you study or work.

Complaints of harassment that are reported to the persons identified herein will be investigated in as thorough, prompt, effective, and confidential a manner as possible. In addition, the District will not tolerate retaliation against any employee or student for making a report or complaint pursuant to this policy.

At a minimum, when an employee or student complains about harassment, the District will:

1. Fully inform the employee or student of her/his rights to complain and redress the harassment; the employee or student must be informed of her/his own obligations to secure her/his rights and of any assistance available to her/him under the District’s procedures;
2. Immediately conduct an impartial fact-finding investigation of the alleged harassment. The District must make a determination about whether unlawful harassment occurred, and communicate this alleged finding to the harasser and any other concerned party; and
3. If unlawful harassment is established, the District will take whatever measures it deems reasonable and appropriate to discipline the harasser and prevent further harassment.

IV. ADDITIONAL AVAILABLE STATE AND FEDERAL PROCEDURES AND REMEDIES

In addition to the District’s process for reporting sexual or other prohibited harassment, both the State of California and the federal government have established processes by which student and employee claims of sexual harassment may be reported.

1. Employees

- A. State Law Procedures - An employee may file a claim with the Department of Fair Employment and Housing (DFEH). Information regarding claims procedures may be obtained in this area from the following office: Department of Fair Em-

ployment and Housing, 1732 Palma Drive, Suite 200, Ventura, CA 93003-6081 (805) 654-4512.

Upon the filing of a claim, the DFEH will contact the employer and conduct a full investigation of the sexual harassment charge. Should the DFEH determine that sexual harassment occurred, it may attempt voluntary compliance through conciliation, or it may file an administrative lawsuit on behalf of the claimant. The DFEH may also issue a letter to the claimant, allowing that claimant to bring a civil action in state court against the employer with respect to the claim of sexual harassment.

- B. Federal Law Procedures - In addition to the state reporting procedures available under the DFEH, an employee may seek redress under Title VII of the US Civil Rights Act of 1964. An employee may file a claim with the Equal Employment Opportunity Commission (EEOC). Information regarding claims procedures may be obtained in this area from the following office: Equal Employment Opportunity Commission, 255 E. Temple Street, 4th Floor, Los Angeles, CA 90012, (213) 894-1000.

The EEOC works in conjunction with the State DFEH in investigating charges of harassment.

- C. Remedies - A victim of unlawful harassment may be compensated in a number of ways, including: reinstatement or promotion in the event the victim has lost his or her job or a job opportunity; a court order that the harasser stop engaging in sexual harassment and/or discrimination; a court order that the employer develop training and education for supervisors and employees in the area of sexual harassment; and back pay. An award of back pay will generally compensate the victim for benefits lost during the discriminatory acts, minus whatever compensation was received by the victim during that period.

State and federal law further provide that a claimant may sue for damages attributable to emotional distress, and in egregious cases, may also recover punitive damages against the employer and/or harasser. Fines may also be assessed by the Fair Employment and Housing Commission.

2. Employees and Students

- A. State Law Procedures - In addition to the internal reporting process described in Section III, employees or students who believe they have been subjected to unlawful harassment may file a formal complaint with the District Chancellor or his designee pursuant to California Code of Regulations Title 5, Article 3, 59328 by contacting the District office. The complaint reporting and investigation procedure is described more fully in the District's policy for investigating complaints of unlawful discrimination which may be obtained from the District office at 333 Skyway Dr., Camarillo, CA 93010, phone (805) 384-8300. Complaints of sexual harassment may also be directed to: California State Department of Education, 721 Capital Mall, Sacramento, CA 95814 (916) 657-4762
- B. Federal Law Procedures - Title IX of the Education Amend-

ments of 1972 prohibits discrimination on the basis of sex in federally-funded education programs and provides a federal remedy for employees and students who are victims of sexual harassment. In addition to the District's internal reporting procedure described in Section III, employees and students may file complaints for violations of Title IX by contacting: Department of Education's Office of Civil Rights, 50 United Nations Plaza, Room 239, San Francisco, CA 94102 (415) 437-7700

- C. Remedies - Remedies available to students and employees under the California Code of Regulations Title 5, Article 3, 59328 and Title IX and may include monetary damages, as well as declarative or injunctive relief.

Appendix IV Student Rights & Responsibilities

I. ASSOCIATED STUDENTS

The Governing Board of the Ventura County Community College District recognizes the need for and authorizes the operations of the Associated Students in accordance with Education Code sections 10701 to 10705, inclusive.

II. PRIVILEGES OF STUDENT ORGANIZATIONS

- A. To use the name of one of the colleges or to use college facilities for regular meetings or special events, student organizations must be chartered by the Associated Students.
- B. Recognized student organizations shall not use District facilities for the purpose of planning or implementing off-campus political or social events, nor use the name of the colleges in conducting such off-campus events, unless authorized by the Associated Students.
- C. A chartered student organization shall have a faculty advisor who shall be chosen by the members of that organization and approved by the Executive Vice President, Student Learning. Institutional recognition shall not be withheld or withdrawn solely because of the inability of a student organization to secure an advisor.
- D. Chartered student organizations shall be open to all students without respect to race, creed or national origin.

III. OFF-CAMPUS AFFILIATIONS

Any organization (whether official or unofficial) of students on the college campuses which, in its constitution or method of operation, vests control of its policies in an off-campus organization, shall not be recognized as an official college organization and shall not be allowed to use the facilities of the District.

IV. ADVOCACY AND FREE EXPRESSION

- A. *Purpose.* The primary purpose of a college is the advancement and dissemination of knowledge. Free inquiry and expression are indispensable to the attainment of this purpose. The colleges of the Ventura County Community College District have the responsibility to establish and maintain general conditions conducive to an orderly and open examination of ideas and issues relevant to the primary purpose referred to above.
- B. *Registered Students.* Students of the Ventura County Community College District have the right of free expression and advocacy and may exercise this right within the framework outlined below:

Policies

1. That the cause or issue being advocated is legal.
2. That the District's outside speaker policy is observed.
3. That college rules regulating time, place, and manner, developed by a student/faculty/administrator committee at each college and approved by the college President or his designated representative are respected.
4. That if, in the judgment of the President of the college or his designated representative, an activity or event is disruptive or incompatible with the educational objective of the college, he may order individual students or chartered student organizations, to discontinue the activity or event pending due process by either college and/or civil agencies. Due process is defined by a student/faculty/administrator committee at each college and approved by the college President.

C. *Non-Students.* The colleges of the Ventura County Community College District are provided for the purposes commonly ascribed to higher education. Non-students who wish to pursue these purposes at one of the colleges of the District are encouraged to enroll as registered students. However, in regard to any event or activity that takes place on one of the college campuses of the Ventura County Community College District, non-students are governed by the same rules that apply to registered students.

D. *Maintenance of Order.* It shall be the policy of the Governing Board of the Ventura County Community College District to cooperate with all established governmental agencies in the maintenance of order on and about its properties. This cooperation shall in no way infringe upon or limit the use of these properties for the purposes historically and legally reserved for them. The President of the Board, as appropriate, shall convene a special meeting for the purpose of taking proper action to support the District and college administrations in carrying out the policy referred to in this section.

V. DRESS CODE

The dress of persons appearing on the campuses of the Ventura County Community College District shall comply with generally accepted standards of hygiene and good taste. Clothing that is worn shall be such as to avoid interference with the educational responsibilities of the District, or with any other approved activities taking place within the District's jurisdiction.

VI. SOLICITATION

The solicitation, selling, exposing for sale, offering to sell, or endorsing any goods, articles, wares, services or merchandise of any nature whatsoever for the purpose of influencing lease, rental or sale at a college is prohibited except by written permission of the District Chancellor, President of the college or the President's designee. This policy applies to all students, staff and citizens.

Nothing in this policy shall be construed to revoke the rights and privileges of students and staff as specifically granted by Education Code sections and board policy with regard to fund raising activities (EC 76062), examination of instruction materials (EC 78904, 78905), or other activities sanctioned by federal, state and local regulations.

VII. NOTICES & POSTERS

Student and other college developed posters and flyers may be distributed or displayed as follows:

Any posters, flyers or other materials which advertise instructional programs, student activities or any other events that can be CLEARLY IDENTIFIED as having Moorpark College sponsorship may be circulated and posted without bearing the "approved for posting" stamp.

VIII. USE OF COLLEGE FACILITIES

A. The purpose of these policies is to assure the full effective use and enjoyment of the facilities of the college campus as an educational institution. Orderly procedures are necessary to promote the use of facilities by students and college personnel, to conserve and protect facilities for educational use and to prevent interference with college functions.

B. Available college facilities may be used and shall be reserved in advance for meetings and other events related to their purpose by:

1. chartered student organizations
2. certificated personnel
3. organizations of college employees
4. the associated students
5. groups of ten or more students
6. community organizations and groups under the Civic Center Act. (Education Code, 16551-16556).

C. Reservation of college facilities shall be made in the Office of the Dean, Instructional Services a reasonable time in advance of the event to arrange a schedule. Reservations will be granted in the order of application, unless considerations of format, room size or equitable distribution of special facilities will require adjustments. Student groups should also seek approval from the Advisor to Student Activities.

D. The college may make reasonable charges for the use of college facilities by community groups in accordance with the civic center charges as published by the Ventura County Community College District.

E. Outdoor Meetings and Events

1. Students and college personnel may gather at reasonable places and times on the campus consistent with the orderly conduct of college affairs and the free flow of traffic. Interference with entrances to buildings and college functions or activities, disturbance of offices, classes and study facilities and harm to property are prohibited.
2. The campus center patio is available as a discussion area. The Executive Vice President, Student Learning may approve other areas if unusual circumstances require.
3. Voice amplification will be permitted in the above areas between 11:30 a.m. and 12:30 p.m. on Fridays. Voice amplification equipment will be provided by the college upon request and without charge. No other voice amplification equipment may be used. The Executive Vice President, Student Learning may arrange for voice amplification at other times or places on the campus if unusual circumstances require it to implement the purposes of these regulations. The volume and direction of voice amplification will be adjusted to reach no farther than the audience present.

F. Tables

1. Student organization and groups cited may maintain a table in the following areas:
 - a. foyer of the campus center
 - b. patios of the campus center
 - c. mall
2. Tables shall be staffed at all times. The name of the sponsoring organization shall be displayed at each table.
3. Tables shall be furnished by the Associated Students. Posters shall be attached to the tables.
4. Tables may be used to distribute and exhibit, free of charge, non-commercial announcements, statements and materials and for fund raising. Distributing or soliciting by means of accosting individuals or by shouting is prohibited.

Appendix V Student Grievance

I. PURPOSE

Students are encouraged to pursue academic studies and other college-sponsored activities in order to promote intellectual growth and personal development. In seeking these ends, students should be free from improper interference by other members of the college community.

A grievance may be initiated by a student whenever the student believes that she or he has been subject to unjust actions or denied normal rights as stipulated in college regulations and in the State Education and Administrative Codes. A grievance may be initiated by a student against any other student or employee of the college.

II. DEFINITION

A grievance is an allegation of unjust action or denial of student rights. A grievance exists only when a specific educational wrong has occurred to a single student. This wrong must involve an unjust action or denial of student rights as defined in a specified college, college district or superior legal covenant or judgment. A grievance exists only when such an error or offense has some demonstrably correctable result. The outcome of a grievance must produce a tangible benefit to the student complaining or an actual redress of the wrong rather than a punishment for the person or persons found in error.

III. PROCEDURES

A. Informal Processes

When a student believes that a personal injustice has been sustained, an attempt should first be made to resolve the concern by informal means. Consultation should be made with the student, faculty member, administrator or classified person involved in order to seek direct resolution. If this process fails or, for some reason, cannot be accomplished, the aggrieved student should confer with the direct supervisor of the person allegedly causing the problem. If both of these steps are unsuccessful, the aggrieved student should discuss the problem with the Executive Vice President, Student Learning (for all other college programs and services).

B. Formal Processes

If the aggrieved student believes that the informal consultation

processes mentioned in III.A. have failed, the procedures and rules described below must be followed by both the student and the college. This process represents the formal grievance procedure of the college. However, the entire formal grievance process shall be discontinued at any time the parties can informally agree on a mutually satisfactory result. All formal records will be destroyed in this instance.

Resolution of grievances may not abrogate state or federal laws and applicable Governing Board rules and policies.

1. A college Grievance Committee shall be established by the college President at the opening of each academic year. This committee shall be composed of one faculty member, one enrolled student and one administrator. The chairperson will be designated by the President. Committee members are appointed by and serve at the pleasure of the President. If, in the judgment of either participant in a formal grievance or the President, a conflict of interest or bias exists with any committee member, that member will be excused and a substitute appointed for the case in question only.

A formal grievance must be filed with the Executive Vice President, Student Learning within 90 calendar days of the final event in a sequence of events if any. The 90-day period shall commence on the day of the event or on the day of first knowledge of the event by the complaining party. Proof of the latter delayed date is the responsibility of the complaining party.

2. A formal grievance exists when the Executive Vice President, Student Learning receives a signed written charge specifying the time, place and nature of the injury from the aggrieved student. This written charge should be dated and must be on behalf of an individual student only. Group or class action grievances are not permitted. This charge must also clearly specify the informal consultation attempts made and described in Section A.
3. The Executive Vice President, Student Learning will verify the completeness of the written charge and present the charge to the Grievance Committee within ten working days of receipt.
4. The Grievance Committee will review the charges made (Section B.2.) within five working days and request a response in writing from the person accused. This person must reply within ten working days. Upon receipt of this response, the committee shall meet and recommend to the President that (a) the case be dismissed or (b) the reasonable cause for a hearing exists. This action must take place within five working days.
5. The President will then either dismiss the case with the reasons set out in writing to both parties or request that the Grievance Committee hold a formal hearing. The President must take this action within five working days of receipt from the committee (Section B.4.).
6. Formal hearing procedures:
 - a. A hearing will be called by the chairperson within fifteen working days of receipt of the President's request (Section B.5.).

- b. Both parties will be asked to attend the hearing and will be given sufficient notice in writing as to the time and place. Notice shall be given by certified mail at least five working days prior to the hearing date.
- c. At the time of the hearing, the chairperson shall state the charge. The committee shall hear testimony, examine witnesses and receive all evidence pertaining to the charge.
- d. Both parties shall have the right to present statements, testimony, evidence and witnesses. Each party shall have the right to be represented by a single advisor but not a licensed attorney.
- e. The accused person and/or representative may be present as well as the aggrieved person and/or his/her representative. No other persons except scheduled single witnesses and the Grievance Committee members shall be present.
- f. The person making the charge shall assume the burden of proof. The rule of confidentiality shall prevail at all stages of the hearing.
- g. The committee shall judge the relevancy and weight of testimony and evidence. It shall make its findings on fact and limit investigation to the formal charge. It shall also make a recommendation for disposition of the charge to the college President. Actions in this procedure shall be completed within five working days.
- h. The committee shall submit its findings of fact and recommend action to both parties and to the President of the college. Upon receipt of the findings and recommendations, the President of the college shall:
 - (1) concur with the committee's recommendation.
 - (2) not concur with the committee's recommendation.
 - (3) take alternative action.
 - (4) state in writing the reasons for the action taken on the committee's recommendation. The President shall act within ten working days.
- i. If either party does not agree with the decision of the college President at this time, an appeal may be made to the Chancellor of the Ventura County Community College District.
- j. If he/she is still dissatisfied with the decision, an appeal may be made to the Governing Board who shall render the final decision.
- k. Records of all proceedings shall be maintained by the college President in accordance with rules of confidentiality and board/state/federal laws, rules, regulations and contracts. Insertion of information regarding a case in employee's personnel records will only be made in compliance with board/state/federal laws, rules, regulations and contracts.

Appendix VI Sexual Assault

California Education Code Section 67385 requires that community college districts adopt and implement procedures to ensure prompt response to victims of sexual assault which occur on campus or during official campus events, as well as providing the victims with information regard-

ing treatment options and services.

Ventura County Community College District exercises care to keep its campuses free from conditions which increase the risk of crime. Crimes of rape and other forms of sexual assault are violations of VCCCD standards and will not be tolerated on campus. California statutes and the VCCCD Standards of Student Conduct prohibit sexual assaults. Where there is cause to believe the District's regulations prohibiting sexual assault have been violated, the District will pursue strong disciplinary actions including suspension or dismissal from the college.

Ventura County Community College District is committed to providing prompt, compassionate services to those individuals who are sexually assaulted, as well as follow-up services, if needed.

Administrative Regulations and Procedures Concerning Incidents of Sexual Assault on Campus

I. INTRODUCTION

Education Code Section 67385 requires that the governing board of each community college district adopt and implement clear, consistent, and written procedures to ensure that specific victims of sexual assault which occurred on campus property or during college sponsored events shall receive information regarding available treatment options and services, both on and off campus, as well as to ensure that the colleges will promptly respond to the option selected by the victim.

II. DEFINITIONS

For the purpose of the legislation, the following definitions are offered:

1. "Specific population" and "specific victim" include students, faculty and staff.
2. "Sexual assault" is any kind of sexual activity which is forced upon a person against his or her will. The definition includes, but is not limited to: rape (including "date" or "acquaintance rape"), forced sodomy, forced oral copulation, rape by a foreign object, or sexual battery or threat of sexual assault.
3. "On campus" is defined quite broadly to include: 1) any building or property owned or controlled by the District within the same reasonable contiguous geographic area and used by the District in direct support of, or related to, its educational purposes; or 2) any building or property owned or controlled by student organizations recognized by the institution.
4. "Official college sponsored events" include, but are not limited to, all classes off campus, field trips, or any event on the college calendar.
5. "Victim" of sexual assault is generally referred to here as being female, but could also include a male.

III. COLLEGE POLICY

Moorpark College exercises care to keep the campus free from conditions which increase the risk of crime. Crimes of rape and other forms of sexual assault will not be tolerated on campus.

The Ventura County Community College District Code of Student Conduct prohibits sexual assaults, as do California criminal statutes.

The Board of Trustees commits the college to taking prudent action to

prevent sexual assaults from occurring and to ensure that students, faculty and staff are not adversely affected for having brought forward a charge of rape or other forms of sexual assault. Where there is cause to believe the college's regulations prohibiting sexual assault have been violated, Moorpark College will pursue strong disciplinary actions which include the possibility of suspension or dismissal from the college.

In addition, a student, faculty, or staff member charged with sexual assault can be prosecuted under California criminal statutes in addition to being disciplined under the Code of Student Conduct or Education Code, as applicable. Even if prosecution does not take place, the campus may pursue disciplinary action.

The Board of Trustees is also committed to provide prompt, compassionate services to those individuals who are sexually assaulted and follow-up services if needed.

IV. GUIDELINES, PROCEDURES AND PERSONNEL RESPONSIBLE FOR RESPONDING TO A SEXUAL ASSAULT INCIDENT

The INDIVIDUAL INITIALLY NOTIFIED about the sexual assault will provide a secure setting for the victim. (This could be an unoccupied office or classroom, a well-lighted area or, ideally, the Student Health Services Office.) The Campus Police Office and the HEALTH SERVICES COORDINATOR should be notified, if possible.

The involved college personnel should then:

1. Listen to the victim's needs.
2. Assess the situation. Determine the seriousness of the victim's injuries; call "911" if injuries are severe and transportation is needed by ambulance to a hospital.
3. Ask the victim what she/he wants to do. A consent form (available in English or Spanish) may be completed by the victim for any of the following options:
 - a) Does the victim want to be taken to a hospital or private doctor's office? Does the victim want to contact a friend or family member? If the victim does not want to contact anyone, a campus police officer may take the victim to the hospital. If possible, a female should accompany the victim if the officer is male.
 - b) Does the victim want to have the Ventura County Coalition Against Domestic and Sexual Violence contacted? The mission of the Coalition is to coordinate and implement services to the victim of sexual assault.
 - c) Does the victim want to report the incident to police? NOTE: If the victim is younger than 18, the sexual assault must be reported to the police. If the victim is 18 years or older, it is the victim's decision whether or not to involve the police. (California law requires hospitals to report injuries by criminal act to a law enforcement agency.)

If the victim of a sexual assault decides to involve the police, the CAMPUS POLICE LIEUTENANT will notify the appropriate police department and may request an officer of like gender of the victim for the report. The officer will take a police report, transport, accompany or meet the victim at an appropriate medical facility for the evidentiary examination, may conduct a follow-up interview, and may transport the victim home with consent.

The COORDINATOR OF HEALTH SERVICES will notify the parent, guard-

ian, spouse or friend, if appropriate and with the consent of the victim.

Upon consent of the victim, the COORDINATOR OF HEALTH SERVICES may arrange for college personnel or a RASAC advocate to accompany the victim, if appropriate, through hospital procedures and encounters with law enforcement agencies.

The CAMPUS POLICE LIEUTENANT will complete a confidential incident report and keep records of the incident for statistical purposes.

As early as possible in the process outlined above, the EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING or the administrator on duty at the college should be notified. That individual should go to the victim's location and assist in the administration of these procedures, as well as notifying other campus and/or District officials, as appropriate.

IN THE EVENT THE SEXUAL ASSAULT INCIDENT OCCURS WHEN THE CAMPUS IS NOT OPEN ("AFTER HOURS"), THE INDIVIDUAL INITIALLY NOTIFIED about the sexual assault will notify the campus police by calling on any campus phone (ext 1455); the CAMPUS POLICE LIEUTENANT will follow the same procedures as described above.

IN THE EVENT THE SEXUAL ASSAULT INCIDENT OCCURS AT AN OFF-CAMPUS EVENT and it is not possible to contact the CAMPUS POLICE, then the INDIVIDUAL INITIALLY NOTIFIED will contact the LOCAL LAW ENFORCEMENT AUTHORITY if the victim is under 18 years old (if 18 or over, if the victim wishes).

FOLLOW UP PROCEDURES BY COLLEGE STAFF:

The EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING and CAMPUS POLICE LIEUTENANT will do a follow-up interview with the victim to inform her/him of the legal options available for filing a civil suit or a criminal action. If she/he wants to pursue criminal action, the appropriate police department will conduct the follow-up criminal investigation.

The COORDINATOR OF HEALTH SERVICES will provide the victim with information on the treatment and counseling of sexual assault and provide referrals for appropriate assistance such as the COLLEGE PSYCHOLOGIST (or alternative counseling services) and the COLLEGE PHYSICIAN. The EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING will explain disciplinary procedures and actions available. The ASSOCIATE VICE CHANCELLOR OF PERSONNEL SERVICES, if appropriate, will explain disciplinary procedures and actions available in cases involving faculty or staff. The EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING will be responsible for ensuring that all follow-up procedures are completed.

V. LEGAL REPORTING REQUIREMENTS AND PROCEDURES

The reporting of rape and other forms of sexual assault follows the same procedures as the reporting of any crime. No special information is required, but the report needs to include certain standard information such as where the incident occurred, to whom (identified by name and age) and exactly what happened.

Once a victim of sexual assault has chosen to notify authorities about the assault and chooses to pursue prosecution, a medical-legal examination should be performed as soon after the assault as possible and within hours for evidence.

VI. LIST OF CAMPUS SERVICES AND PERSONNEL AVAILABLE TO ASSIST WITH INCIDENTS OF SEXUAL ASSAULT.

Campus Police, ext 1455; Campus Health Services Office, ext 1413; Office with Evening and Weekend Responsibility, ext 1404.

Policies

VII. PROCEDURES FOR ONGOING CASE MANAGEMENT

Follow-up intervention may be provided with the victim's consent and as needed by the COLLEGE PSYCHOLOGIST for psychological counseling. The EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING will track the victim's academic progress and will assist, when requested, by arranging academic counseling, tutoring, and other services deemed appropriate. ACADEMIC COUNSELORS may assist with developing an education plan. The EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING or VICE CHANCELLOR OF PERSONNEL SERVICES will initiate disciplinary procedures and inform the victim of the status of any disciplinary actions and the EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING will keep the COLLEGE PRESIDENT informed.

The following individuals may also be contacted, as appropriate, on a need-to-know basis by the aforementioned administrators: Coordinator, Disabled Student Services, Division Directors, Instructors, Chancellor, Vice Chancellor, Personnel Services, Public Information Officer.

VIII. PROCEDURES TO GUARANTEE CONFIDENTIALITY

In all associations with the public, the media, family and friends of the victim, and in accordance with the Family Rights and Privacy Act and the Buckley Amendment, the name of the victim and/or specific details of the assault will be released only when essential to the health and safety of the individual assaulted or that of other members of the campus community. The PUBLIC INFORMATION OFFICER will be kept informed and will interface with the media, general public, students and staff. Other campus personnel dealing with the incident should refer any inquiries to the public information office.

In addition, and in full accordance with Chapter 593 of the Education Code, no person, persons, agency or organization permitted access to student records (including security records about incidents involving the college's students) shall permit access to any information obtained from those records by any other person, persons, agency or organization WITHOUT THE WRITTEN CONSENT OF THE STUDENTS INVOLVED.

However, the victim of any sexual assault which is the basis of any disciplinary action taken by the community college shall be permitted access to that information in compliance with the Buckley Amendment. Access to this information shall consist of a notice of the results of any disciplinary action taken by the college and the results of any appeal. This information shall be provided to the victim within three days following the said disciplinary action or appeal.

IX. INFORMATION REGARDING OTHER OPTIONS

Criminal Actions: Once an incident of sexual assault has been reported to the appropriate police department by college personnel, it is up to the police department to collect information, including the legal/medical exam, and to investigate the matter. The information is then turned over to the District Attorney's office to determine if criminal prosecution is appropriate. The District Attorney's office has the ultimate responsibility to determine whether the incident is a criminal offense and to bring it before the courts for punitive action against the assailant. Punitive consequences can include fines, probation and incarceration. If there is not sufficient evidence for the case to be passed on to the District Attorney, the police may decide to initiate an investigation to gather the necessary information which could lead to a prosecution.

Civil Actions: If the victim of the sexual assault decides that she/he

wants to pursue a civil action for damages against the perpetrator, then the victim should consult with an attorney for the civil legal action. The District Attorney's office is reluctant to refer to any particular civil attorney, but the Ventura County Coalition Against Domestic and Sexual Violence has a complete referral list of local attorneys with whom they have had experience. In addition, the names of attorneys may be obtained through the Ventura County Bar Association.

Disciplinary Process Through the College: Various forms of discipline may be imposed on a student who is guilty of misconduct ranging from reprimand, probation, and suspension, to expulsion. The student disciplinary procedures of the college are described in this catalog. They are initiated by the EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING. Faculty and staff are subject to the college's disciplinary action policies.

Mediation Services: Mediation between any of the "specific population" involved in a sexual assault incident at the college is available and may be arranged through the EXECUTIVE VICE PRESIDENT OF STUDENT LEARNING.

Academic Assistance Alternatives: Academic assistance for victims of sexual assault includes tutoring, switching to different sections or classes, academic counseling, "Incomplete" or "Withdrawal", or assistance in transferring.

Harassment Restraining Order: Under California law (section 527.6 of the Code of Civil Procedure), courts can make orders to protect people from being harassed by others. These orders are enforced by law enforcement agencies. A victim who desires to obtain such an order must file an action in the Superior Court. Simplified procedures for obtaining such orders have been established by the courts. An instructional booklet that tells what court orders a victim of harassment can obtain and how to get them is available from the Clerk of the Ventura County Superior Court, Hall of Justice, 800 South Victoria Avenue, Ventura, CA 93009.

Appendix VII Student Conduct Code

Standards of Student Conduct (E.C.S. 66300)

In joining the academic community, the student enjoys the right and shares the responsibility in exercising the freedom to learn. Like members of the academic community, the students are expected to conduct themselves in accordance with the standards of the college that are designed to perpetuate its educational purposes. Students shall respect and obey civil and criminal law, and shall be subject to legal penalties for violation of laws of the city, county, state, and nation. A charge of misconduct may be imposed upon a student for violating provisions of college regulations and the State Education and Administrative Codes. Where a student is subject to a charge of misconduct, such charge shall be processed in accordance with the following policy and procedure.

Disciplinary action may be imposed upon a student by an instructor, an administrator or the Governing Board for proven misconduct or actual violation of specified college rules and state regulations. Instructors and administrators may place students on probation or temporary exclusion with respect to actions in a classroom, on campus or at a college-sponsored activity within the procedures specified in this document. The Executive Vice President, Student Learning shall have the power to impose suspen-

sion and to recommend expulsion.

Students are subject to charges of misconduct for any of the following acts on college-owned or controlled property or at a college-sponsored activity:

1. Willful disobedience to directions of college officials acting in performance of their duties.
2. Violation of college rules and regulations including those concerning student organizations, the use of college facilities, or the time, place and manner of public expression or distribution of materials.
3. Dishonesty, such as cheating, or knowingly furnishing false information to the college.
4. Unauthorized entry to or use of the college facilities.
5. Forgery, alteration, or misuse of college documents, records or identification.
6. Obstruction or disruption of classes, administration, disciplinary procedures, or authorized college activities.
7. Theft of or damage to property or possession of stolen property belonging to the college, a member of the college community, or a campus visitor.
8. Disorderly, lewd, indecent, or offensive conduct.
9. Obscene, libelous or slanderous expression, or expression which so incites students as to create a clear and present danger of the commission of unlawful acts on the college's campus, the violation of lawful college regulations or the substantial disruption of the college's orderly operation.
10. Assault or battery, abuse, or any threat of force or violence directed toward any member of the college community or campus visitor engaged in authorized activities.
11. Use, possession, distribution of alcoholic beverages, narcotics, hallucinogenic drugs, marijuana, or other dangerous drugs, or presence on campus while under the influence of alcoholic beverages, narcotics, hallucinogenic drugs, marijuana, or other dangerous drugs, except as expressly permitted by law.
12. Possession, while on the college campus or at an on- or off-campus college-sponsored function, of any of the following weapons (except persons given permission by the college President or his/her designated representatives or members of the law enforcement agencies, as police officers); any instrument or weapon of any kind commonly known as blackjack, sling shot, fire bomb, billy club, sand club, sandbag, metal knuckles; any dirk, dagger, firearm (loaded or unloaded), as pistol, revolver, rifle, etc.; any knife having a blade longer than five inches, any switchblade longer than two inches, any razor with an unguarded blade; any metal pipe or bar used or intended to be used as a club; or any item used to threaten bodily harm.

Student Conduct: Disciplinary Action

Student conduct must conform to the Student Rules of Conduct established by the Governing Board of the Ventura County Community College District in collaboration with college administrators and students. Violations of such rules are subject to the following types of disciplinary actions which are to be administered by appropriate college authorities against students who stand in violation. The Ventura County Community

College District has established due process for the administration of the penalties enumerated here. Penalties are listed in degree of severity. College authorities will determine the appropriate penalty(ies):

1. **WARNING*** -- Notice to the student that continuation or repetition of specified conduct may be cause for other disciplinary action.
2. **REPRIMAND*** -- Written reprimand for violation of specified rules. A reprimand serves to place on record that a student's conduct in a specific instance does not meet the standards expected at the college. A person receiving a reprimand is notified that this is a warning that continued conduct of the type described in the reprimand may result in a formal action against the student.

**Note: Warnings and reprimands may be appealed directly to the President. They are not subject to a student conduct hearing.*

3. **DISCIPLINARY PROBATION** -- Exclusion from participation in privileges or extracurricular college activities set forth in the notice of disciplinary probation involves notification in writing of the reason for disciplinary probation to the student(s) or president of the student organization involved.
4. **RESTITUTION** -- Reimbursement for damage or for misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damage.
5. **SUMMARY SUSPENSION** -- A summary suspension is for the purposes of investigation. It is a means of relieving the tension of the student body or individual class due to a serious infraction of student behavior standards, removing a threat to the well-being of the students, or removing for the good order of the college a student or students whose presence would prevent the continued normal conduct of the academic community. Summary suspension is limited to that period of time necessary to ensure that the purpose of the summary suspension is accomplished and in any case, no more than a maximum of five school days. Summary suspension is a type of suspension other than that ordinarily invoked by the instructor for disciplinary reasons in the classroom. The college President, Executive Vice President, Student Learning, or other staff member designated by the President may summarily suspend a student when he or she deems it necessary for the safety and welfare of the college.
6. **DISCIPLINARY SUSPENSION** -- Disciplinary suspension follows a hearing based on due process. It shall be invoked by the college President, appropriate administrator, or other staff member designated by the President, upon the student for misconduct when other corrective measures have failed or when the seriousness of the situation warrants such action.
7. **EXPULSION** -- An expulsion is a long term or permanent denial of all campus privileges including class attendance. The Governing Board may expel a student who has been convicted of a crime arising out of a campus disturbance, or after a hearing by a campus body, and has been found to have willfully disrupted the orderly operation of the campus.

Student Conduct: Due Process

A. Preliminary Action

1. The Executive Vice President, Student Learning shall receive and may issue any charge of alleged misconduct made against a stu-

dent by another student, faculty member, administrator, or classified personnel. Such person shall sign and submit a written statement specifying the time(s), place(s), and nature of the alleged misconduct.

2. The Executive Vice President, Student Learning shall confer with the student for the purpose of advising the student of the charge, possible sanctions imposed upon him/her and his/her rights under college regulations, state and federal laws.
3. The Executive Vice President, Student Learning may also procure information relating to the charge from the student and other persons or sources. Whenever appropriate, the Executive Vice President, Student Learning shall assess, or cause to have assessed, damage to property and injury to persons or other forms of misconduct.
4. At this point, the Executive Vice President, Student Learning may take any of the following actions:
 - a. Dismiss the charge for lack of merit.
 - b. Issue a warning or letter of reprimand.
 - c. Place the student on disciplinary probation, require restitution, place on summary or disciplinary suspension.
 - d. Recommend expulsion.
 - e. Remand the case to a Student Conduct Hearing.
5. At this time, if the student does not accept the Executive Vice President, Student Learning's decision, the Executive Vice President, Student Learning shall arrange for the meeting of the Student Conduct Hearing Committee, following the procedures outlined in Sections B and C of this document.

B. Composition of Student Conduct Hearing Committee

1. The Student Conduct Hearing Committee, hereafter referred to as the Hearing Committee, shall be set up as follows:
 - a. One student, one faculty member, and one administrator (other than the Executive Vice President, Student Learning and his/her immediate staff). These persons are appointed by the college President.
 - b. The President shall designate the chairperson of the Hearing Committee.
 - c. A minimum of one committee shall be selected annually.
 - d. Upon notification of the committee composition, each party is allowed one preemptory challenge, excluding the chairperson.
 - e. A quorum shall consist of all three members of the committee.
 - f. The chairperson will allow any proposed member of the committee to decline participation in the hearing.

C. Formal Hearing Procedures

1. A hearing will be called by the chairperson within fifteen working days of the receipt of the Executive Vice President, Student Learning's request.
2. Both parties will be asked to attend the hearing and will be given sufficient notice in writing as to the time and place. Notice shall be given by certified mail at least five working days prior to the hearing date.

3. At the time of the hearing, the chairperson shall state the charge. The committee shall hear testimony, examine witnesses and receive all evidence pertaining to the charge.
4. Both parties shall have the right to present statements, testimony, evidence and witnesses. Each party shall have the right to be represented by a single advisor but not a licensed attorney.
5. The accused person and/or representative may be present as well as the aggrieved person and/or his/her representative. No other persons except scheduled single witnesses and the Hearing Committee members shall be present.
6. The person making the charge shall assume the burden of proof. The rule of confidentiality shall prevail at all stages of the hearing.
7. The Hearing Committee shall judge the relevancy and weight of testimony and evidence. It shall make a recommendation for disposition of the charge to the college President. Actions in this procedure shall be completed within five working days.
8. The Hearing Committee shall submit its findings of fact and recommend action to both parties and to the President of the college. Upon receipt of the findings and recommendations, the President of the college shall:
 - a. concur with the committee's recommendation.
 - b. not concur with the committee's recommendation.
 - c. take alternative action.
 - d. state in writing the reasons for the action taken on the committee's recommendations. The President shall act within ten working days.
9. If either party does not agree with the decision of the college President at this time, an appeal may be made to the Chancellor of the Ventura County Community College District; if he/she is still dissatisfied with the decision, an appeal may be made to the Governing Board who shall render the final decision.

Appendix VIII

Drug Free Campus Policy

Standards of Conduct

A student enrolling in Moorpark College assumes an obligation to conduct him/herself in a manner compatible with the college's function as an educational institution.

Student conduct at Moorpark College must conform to established rules and regulations. Violations of such rules and regulations, for which students are subject to disciplinary action, include, but are not limited to the following:

Possession, use or distribution of alcoholic beverages, narcotics, or other dangerous drugs on campus or at any off-campus sponsored college activity (except for legally prescribed for personal use).

Any act, defined as a felony or misdemeanor under the laws of the State of California or which violates adopted college rules or regulations.

Section 10603 of the Education Code provides: "The governing board of any school district may make and enforce all rules and regulations needful for the government and discipline of the schools under its charge. Any governing board shall enforce the provisions of this section by suspend-

ing, or if necessary, expelling a pupil who refuses or neglects to obey any such rules or regulations.”

The Dangers of Drug Use

In spite of efforts to keep drug use a hidden habit, there are often visible effects on the user. Use of the drugs specified below may result in:

1. **Alcohol**
 - a. Decreased performance
 - b. Poor judgment and coordination
 - c. More accidents
 - d. Drowsiness and mood swings
 - e. Lower morale and increase in conflict with others
2. **Marijuana**
 - a. Disruption of space and distance
 - b. Slower physical reflexes and poor coordination
 - c. Forgetfulness and diminishing mental powers
 - d. Drowsiness and mood swings
3. **Cocaine/Crack**
 - a. Shortened attention span
 - b. Impairment of judgment and decision-making ability
 - c. Lack of dependability
 - d. Irritability and depression
 - e. Crime (stealing to cover cost of drug)
4. **Opiates** - (heroin; pain pills: codeine, darvon, vicodin, percodan)
 - a. Impaired judgment and lowered efficiency
 - b. Drowsiness and mood swings
 - c. Disinterest in classroom safety
 - d. Increase in illness and health problems
5. **Hallucinogens** - (PCP, LSD, MDMA (Ecstasy), Designer Drugs)
 - a. Loss of memory and concentration
 - b. Sudden bizarre changes in behavior
 - c. Moodiness and interpersonal conflict
6. **Amphetamines** - (Benzedrine, dexedrine-cross tops, whites, uppers; Methamphetamines-crank, crystal)
 - a. Impaired reflexes
 - b. Sluggishness or hyperactivity
 - c. Increased accidents
 - d. Impaired judgment and decision making
7. **Sedatives** - (Barbiturates; tranquilizers-valium, xanax; secanol, tulanol-reds, downers)
 - a. Slowed reflexes and lower productivity
 - b. Slower mental processes and depression
8. **Anabolic Steroids**
 - a. Kidney Dysfunction
 - b. Sperm reduction
 - c. Breast enlargement
 - d. Premature baldness
 - e. Acne

Both drugs and alcohol may be damaging to the development of an unborn fetus. Physical and psychological addiction to these substances is clearly a risk.

Penalties for Campus Drug Use Warning

The college is required by federal law to take disciplinary action up to and including suspension or expulsion from school for students convicted of a campus drug offense.

Students who have been convicted of certain drug-related Federal or State offenses may have their eligibility for Federal benefits, including financial aid, suspended. Students with three or more drug-related convictions may permanently lose eligibility for Federal financial aid.

State and Federal penalties apply to anyone convicted of the manufacture, distribution, dispensation, possession or use of controlled substances

Misdemeanor convictions for campus drug use can result in a fine and incarceration of up to a year in a County jail. Relatively few drug-related infractions may be considered misdemeanor offenses, however. Most drug use convictions are defined as felony acts.

Felony convictions for campus drug use can result in a substantial fine and a lengthy jail sentence in state prison. Convictions for manufacturing or possession for sale or use of substances are felony offenses.

The bottom line? The price for drug use is high . . . let's keep Moorpark College a Drug Free Campus!

Drug Free Campus Policy pamphlets are available in the Student Health Center. Confidential and non-punitive help is also available in the Student Health Center including referral to College Psychologist and community resources.

Moorpark College Campus Crime Statistics

The Crime Awareness and Campus Security Act of 1990 requires institutions to report data for certain criminal acts that occur on campus. The Ventura Community College District's Campus Police office reported the following crimes on the Moorpark College campus in 1998.

Homicides	0
Rapes	0
Sexual Assault	0
Aggravated Assault	0
Robbery	0
Arson	0
Burglary - Vehicle	7
Motor Vehicle Theft	4
Liquor Law Violations	0
Drug Abuse Violations	0
Weapons Possessions	0

Appendix IX

Ventura County Community College District 1999-2000 Nonresident Tuition Fee Charges and Refund Schedule

Units Enrolled	Tuition Charge	1st Week Refund		2nd Week Refund		3rd Week Refund		4th Week Refund *Regular Only
		Regular and Summer		Regular	Summer	Regular	Summer	
0.5	57.00	7.00		0.00	0.00	0.00	0.00	0.00
1.0	114.00	64.00		35.50	7.00	7.00	0.00	0.00
1.5	171.00	121.00		78.25	35.50	35.50	0.00	0.00
2.0	228.00	178.00		121.00	64.00	64.00	7.00	7.00
2.5	285.00	235.00		163.75	92.50	92.50	21.25	21.25
3.0	342.00	292.00		206.50	121.00	121.00	35.50	35.50
3.5	399.00	349.00		249.25	149.50	149.50	49.75	49.75
4.0	456.00	406.00		292.00	178.00	178.00	64.00	64.00
4.5	513.00	463.00		334.75	206.50	206.50	78.25	78.25
5.0	570.00	520.00		377.50	235.00	235.00	92.50	92.50
5.5	627.00	577.00		420.25	263.50	263.50	106.75	106.75
6.0	684.00	634.00		463.00	292.00	292.00	121.00	121.00
6.5	741.00	691.00		505.75	320.50	320.50	135.25	135.25
7.0	798.00	748.00		548.50	349.00	349.00	149.50	149.50
7.5	855.00	805.00		591.25	377.50	377.50	163.75	163.75
8.0	912.00	862.00		634.00	406.00	406.00	178.00	178.00
8.5	969.00	919.00		676.75	434.50	434.50	192.25	192.25
9.0	1,026.00	976.00		719.50	463.00	463.00	206.50	206.50
9.5	1,083.00	1,033.00		762.25	491.50	491.50	220.75	220.75
10.0	1,140.00	1,090.00		805.00	520.00	520.00	235.00	235.00
10.5	1,197.00	1,147.00		847.75	548.50	548.50	249.25	249.25
11.0	1,254.00	1,204.00		890.50	577.00	577.00	263.50	263.50
11.5	1,311.00	1,261.00		933.25	605.50	605.50	277.75	277.75
12.0	1,368.00	1,318.00		976.00	634.00	634.00	292.00	292.00
12.5	1,425.00	1,375.00		1,018.75	662.50	662.50	306.25	306.25
13.0	1,482.00	1,432.00		1,061.50	691.00	691.00	320.50	320.50
13.5	1,539.00	1,489.00		1,104.25	719.50	719.50	334.75	334.75
14.0	1,596.00	1,546.00		1,147.00	748.00	748.00	349.00	349.00
14.5	1,653.00	1,603.00		1,189.75	776.50	776.50	363.25	363.25
15.0	1,710.00	1,660.00		1,232.50	805.00	805.00	377.50	377.50
15.5	1,767.00	1,717.00		1,275.25	833.50	833.50	391.75	391.75
16.0	1,824.00	1,774.00		1,318.00	862.00	862.00	406.00	406.00
16.5	1,881.00	1,831.00		1,360.75	890.50	890.50	420.25	420.25
17.0	1,938.00	1,888.00		1,403.50	919.00	919.00	434.50	434.50
17.5	1,995.00	1,945.00		1,446.25	947.50	947.50	448.75	448.75
18.0	2,052.00	2,002.00		1,489.00	976.00	976.00	463.00	463.00
18.5	2,109.00	2,059.00		1,531.75	1,004.50	1,004.50	477.25	477.25
19.0	2,166.00	2,116.00		1,574.50	1,033.00	1,033.00	491.50	491.50
19.5	2,223.00	2,173.00		1,617.25	1,061.50	1,061.50	505.75	505.75
20.0	2,280.00	2,230.00		1,660.00	1,090.00	1,090.00	520.00	520.00
20.5	2,337.00	2,287.00		1,702.75	1,118.50	1,118.50	534.25	534.25
21.0	2,394.00	2,344.00		1,745.50	1,147.00	1,147.00	548.50	548.50
21.5	2,451.00	2,401.00		1,788.25	1,175.50	1,175.50	562.75	562.75
22.0	2,508.00	2,458.00		1,831.00	1,204.00	1,204.00	577.00	577.00

100% Refund 75% Refund 50% Refund 50% Refund 25% Refund 25% Refund

*No refunds permitted if withdrawal occurs after the 4th week of a regular semester or the 3rd week of summer session. For refunds of less than a full semester class, consult the Records Office.

Appendix X

Ventura County Community College District
1999-2000 Foreign Capital Outlay Surcharge and Refund Schedule

Units Enrolled	Surcharge Amount	1st Week Refund		2nd Week Refund		3rd Week Refund		4th Week Refund
		Regular and Summer	Regular	Summer	Regular	Summer	*Regular Only	
0.5	7.00	7.00	5.25	3.50	3.50	1.75	1.75	
1.0	14.00	14.00	10.50	7.00	7.00	3.50	3.50	
1.5	21.00	21.00	15.75	10.50	10.50	5.25	5.25	
2.0	28.00	28.00	21.00	14.00	14.00	7.00	7.00	
2.5	35.00	35.00	26.25	17.50	17.50	8.75	8.75	
3.0	42.00	42.00	31.50	21.00	21.00	10.50	10.50	
3.5	49.00	49.00	36.75	24.50	24.50	12.25	12.25	
4.0	56.00	56.00	42.00	28.00	28.00	14.00	14.00	
4.5	63.00	63.00	47.25	31.50	31.50	15.75	15.75	
5.0	70.00	70.00	52.50	35.00	35.00	17.50	17.50	
5.5	77.00	77.00	57.75	38.50	38.50	19.25	19.25	
6.0	84.00	84.00	63.00	42.00	42.00	21.00	21.00	
6.5	91.00	91.00	68.25	45.50	45.50	22.75	22.75	
7.0	98.00	98.00	73.50	49.00	49.00	24.50	24.50	
7.5	105.00	105.00	78.75	52.50	52.50	26.25	26.25	
8.0	112.00	112.00	84.00	56.00	56.00	28.00	28.00	
8.5	119.00	119.00	89.25	59.50	59.50	29.75	29.75	
9.0	126.00	126.00	94.50	63.00	63.00	31.50	31.50	
9.5	133.00	133.00	99.75	66.50	66.50	33.25	33.25	
10.0	140.00	140.00	105.00	70.00	70.00	35.00	35.00	
10.5	147.00	147.00	110.25	73.50	73.50	36.75	36.75	
11.0	154.00	154.00	115.50	77.00	77.00	38.50	38.50	
11.5	161.00	161.00	120.75	80.50	80.50	40.25	40.25	
12.0	168.00	168.00	126.00	84.00	84.00	42.00	42.00	
12.5	175.00	175.00	131.25	87.50	87.50	43.75	43.75	
13.0	182.00	182.00	136.50	91.00	91.00	45.50	45.50	
13.5	189.00	189.00	141.75	94.50	94.50	47.25	47.25	
14.0	196.00	196.00	147.00	98.00	98.00	49.00	49.00	
14.5	203.00	203.00	152.25	101.50	101.50	50.75	50.75	
15.0	210.00	210.00	157.50	105.00	105.00	52.50	52.50	
15.5	217.00	217.00	162.75	108.50	108.50	54.25	54.25	
16.0	224.00	224.00	168.00	112.00	112.00	56.00	56.00	
16.5	231.00	231.00	173.25	115.50	115.50	57.75	57.75	
17.0	238.00	238.00	178.50	119.00	119.00	59.50	59.50	
17.5	245.00	245.00	183.75	122.50	122.50	61.25	61.25	
18.0	252.00	252.00	189.00	126.00	126.00	63.00	63.00	
18.5	259.00	259.00	194.25	129.50	129.50	64.75	64.75	
19.0	266.00	266.00	199.50	133.00	133.00	66.50	66.50	
19.5	273.00	273.00	204.75	136.50	136.50	68.25	68.25	
20.0	280.00	280.00	210.00	140.00	140.00	70.00	70.00	
20.5	287.00	287.00	215.25	143.50	143.50	71.75	71.75	
21.0	294.00	294.00	220.50	147.00	147.00	73.50	73.50	
21.5	301.00	301.00	225.75	150.50	150.50	75.25	75.25	
22.0	308.00	308.00	231.00	154.00	154.00	77.00	77.00	

100% Refund

75% Refund

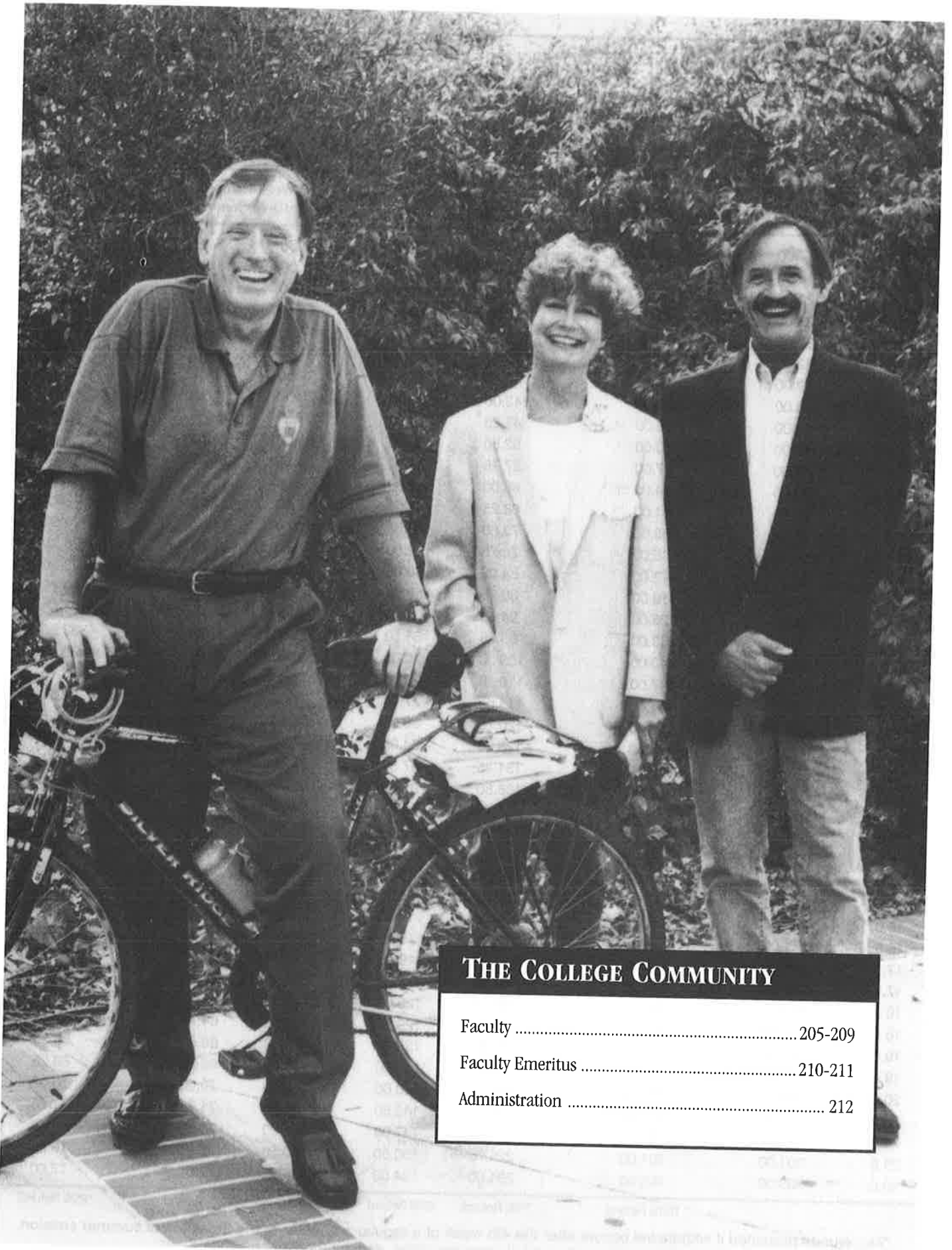
50% Refund

50% Refund

25% Refund

25% Refund

*No refunds permitted if withdrawal occurs after the 4th week of a regular semester or the 3rd week of summer session.
 For refunds of less than a full semester class, consult the Records Office.



THE COLLEGE COMMUNITY	
Faculty	205-209
Faculty Emeritus	210-211
Administration	212

FULL-TIME FACULTY



(Date) indicates year of employment at Moorpark College. Faculty rank determined by Moorpark College Academic Senate.

Adler, Sidney (1968)

Dean
B.A., M.A., City College of New York;
Ph.D., University of Southern California.

Aguilera, Christine S. Ruiz (1972)

Professor, Mathematics/Computer Science
B.A., University of California, Irvine;
M.A., University of California, San Diego;
M.S., University of California, Los Angeles.

Aiken, Kirk (1969)

Professor, Art
B.A., University of Southern California;
M.A., California State University, Los Angeles.

Aldana, Guadalupe del C. (1991)

Professor, Radiologic Technology
A.A., Los Angeles City College;
B.S., California State University, Northridge.

Alexander, Judy (1968)

Professor, Nutritional Science
B.S., University of California, Los Angeles;
M.S., California State University, Northridge.

Allyn, Donna Proske (1988)

Counselor
A.A., Windward Community College, Hawaii;
B.S., M.Ed., University of Hawaii;
Ph.D., University of California, Los Angeles.

Andriese, Janet M. (1974)

Professor/Coordinator, Special Education
B.S., University of California, Los Angeles;
Physical Therapy Degree, Children's Hospital
School of Physical Therapy, Los Angeles;
M.A., California State University, Northridge.

Arnold, Charlene (1986)

Professor, Speech
B.A., M.A., California State University, Northridge

Avila, Denice C. (1997)

Counselor
B.A., San Jose State University;
M.A., California State University, Northridge

Baker, Barbara (1976)

Professor, English/Reading
B.A., San Diego State University;
M.A., California State University, Los Angeles.

Baker, John R. (1990)

Associate Professor, Anthropology
B.A., Pepperdine University;
Ph.D., Universitat Hamburg.

Barker, Beverly J. (1989)

Professor, Mathematics
B.A., Pomona College;
M.S., California State University, Northridge.

Barnett, Cynthia (1992)

Professor, Sociology
B.A., M.A., Bowling Green State University.

Becht, Balazs (1983)

Professor, Astronomy/Physics
B.S., M.S., California State University, Northridge.

Bennett, Lori (1996)

Associate Professor, Business
B.A., University of Southern California;
M.B.A., University of Chicago.

Berg, Eugene (1970)

Professor, Chemistry
A.B., University of California, Los Angeles;
M.S., California State University, Long Beach;
Ph.D., University of California, Los Angeles.

Berney, Daniel E. (1997)

Instructor, Dance
B.A., University of California, Santa Barbara;
M.F.A., University of California, Irvine

Beron, Alberto (1971)

Professor, Mathematics
B.S., M.A., California State University, Los Angeles.

Bianchino, Francis S. (1977)

Professor, Psychology and Counselor
B.A., St. Francis College;
M.S., St. John's University;
Ph.D., U.S. International University.

Bittner, James L. (1979)

Professor, Physical Education/Health Education
B.A., Mt. Union College;
M.A., Western State College;
M.A., California Lutheran College.

Bodhaine, Grace C. (1991)

Department Chair - Modern Languages, ESL
Associate Professor, Spanish
B.A., M.A., California State University, Northridge;
C.Phil., University of California, Los Angeles.

Bortolussi, Victoria (1989)

Dean
B.A., M.A., University of Southern California;
Ph.D., University of California, Santa Barbara.

- Bridgeman, Gerald (1969)**
Professor, Political Science
A.B., M.A., University of California, Berkeley.
- Brinkman, Charles**
Counselor
B.A., University of California, Santa Barbara
M.S., California State University, Northridge
- Brown, Daniel P. (1986)**
Professor, History
B.A., Ball State University;
M.A., Colorado State University.
- Burkard, Patricia (1996)**
Instructor, Nursing
A.A., Riverside City College
B.S., M.S., California State University, Fresno
- Byrne, Denise J. (1981)**
Professor, Nursing
B.S.N., M.S.N., California State University, Los Angeles.
- Cardoni, Richard E. (1980)**
Counselor
B.S., M.S., University of Arizona.
- Chetlen, Martin W. (1999)**
Instructor, Computer Science
B.S., City College of the City University of New York,
M.C.S., Texas A & M University
- Cole, Christine S. (1998)**
Professor, Mathematics
B.A., University of California, San Diego
M.S., California State University, Northridge
- Collier, Shay (1972)**
Professor, Computer Information Systems
B.A., Cornell College;
M.A.E., California Lutheran College.
- Conrad, Eva E. (1997)**
Executive Vice President, Student Learning
B.A., University of South Alabama;
M.A., Ph.D., University of Arizona
- Copsey, Cecile M. (1968)**
Professor, History
B.A., University of California, Berkeley;
M.A., University of California, Los Angeles.
- Cravens, Linda A. (1988)**
Department Chair, Child Development/Criminal
Justice/Interior Design
Associate Professor, Child Development
B.A., University of California, Santa Barbara;
M.A., California State University, Northridge.
- D'Attille, Sherry (1990)**
Professor, Learning Disabilities
B.A., California State University, Northridge;
M.S., California Lutheran University.
- Dale, Gillian M. (1988)**
Professor, English
B.A., Mount Holyoke College;
M.A., University of Southern California.
- Daurio, Janice (1996)**
Professor, Philosophy
B.A., City University of New York, New York
M.A., Claremont Graduate School
M.A., Mount Saint Mary's College;
Ph.D., Claremont Graduate School.
- Davie, John (1971)**
Professor, English/Humanities
B.A., M.A., University of California, Santa Barbara.
- Dillon, Bona L. (1989)**
Professor, Journalism/English
B.A., M.A., Ball State University.
- Doyle, Stephen C. (1990)**
Professor, Speech
B.A., California Polytechnic State University, San
Luis Obispo;
M.A., California State University, Los Angeles.
- Dozen, Patricia E. (1988)**
Professor
B.A., M.A., California State University, Long Beach.
- Ekback, Hugo (1971)**
Professor, English/Humanities
B.A., University of California, Riverside;
M.A., California State University, Chico.
- Epping, Beatrice (1990)**
Professor, Nursing
B.S., College of Saint Teresa;
M.N., University of California, Los Angeles.
- Farrell, Judith (1974)**
Professor, Psychology
A.A., Ventura College;
B.A., M.A., California State University, Northridge.
- Fecht, Gerald R. (1969)**
Professor, History/Humanities/Marketing
A.A., Los Angeles Valley College;
A.B., M.S., Ph.D., University of Southern
California.
- Feingold, Janice C. (1989)**
Department Head, Business;
Associate Professor, Business
B.A., University of California, Davis;
M.S., California State University, Northridge.
- Fink, Kathryn E. (1981)**
Professor, Mathematics
B.A., University of California, Santa Cruz;
M.A., University of Oregon.
- Fontaine, Victor A. (1991)**
Associate Professor, Philosophy
B.A., M.A., Ph.D., University of Fribourg;
M.A., M.B.A., University of California, Los Angeles.
- Franke, Deanna R. (1994)**
Assistant Professor, Chemistry
B.S., California Lutheran University;
Ph.D., University of California, Santa Barbara.
- Garber, Norman (1986)**
Professor, English
B.A., University of Connecticut;
M.A., Ph.D., University of California, Santa Barbara.
- Gerhart, Judith A. (1991)**
Dean
B.S., M.Ed., De Paul University;
Ed.D., Nova University.
- Ginet, Carole (1968)**
Professor, Sociology/Humanities/Psychology
A.B., University of California, Berkeley;
M.S., University of Southern California.
- Gonzalez, Joseph (1971)**
Professor, History
A.A., Santa Barbara City College;
B.A., M.A., Ph.D., University of California, Santa Bar-
bara.
- Green, Donald R (1997)**
Instructor, Physical Education
B.A., California Lutheran University;
M.A., California Lutheran University.
- Grzywacz-Gray, John M. (1971)**
Professor, Photography, Graphic Design,
Journalism
Institute of Design.
- Gucciardo, Peter (1971)**
Professor, Economics
A.B., California Lutheran College;
M.A., University of Southern California.
- Habib, Faten M. (1997)**
Librarian
B.A., American University of Beirut;
M.S., University of Southern California
- Hall, Elton A. (1992)**
Professor, Philosophy
B.A., Occidental College, Los Angeles;
M.A., University of California, Santa Barbara.
- Halleran, Ronald (1975)**
Department Chair, Health/Physical Education
Professor, Health Education/Physical Education
B.S., California State University, Hayward;
M.S., Utah State University;
M.A., California Lutheran College.

The College Community

Harper, Clint D. (1978)

Professor, Engineering Technology/Physical Science/Physics
B.S., M.S., California State University, Northridge;
A.M., Ph.D., University of Southern California.

Harrigan, Maureen (1996)

Assistant Professor, Biology
B.S., Santa Clara University
Ph.D., University of Southern California

Harrington, G. David (1992)

Professor, Criminal Justice
A.S., Moorpark College;
B.S., M.S., California State University, Los Angeles.

Hemming, Ruth (1997)

Vice President, College Services
B.A., University of California, Berkeley;
M.A., Mount Holyoke College;
Ed.D., University of La Verne.

Henderson, Donald (1974)

Counselor
B.A., Austin College;
M.S., California State University, Los Angeles.

Herman, Robert (1968)

Department Chair, History and Institutions;
Professor, Political Science/Economics
B.A., M.A., University of California, Santa Barbara.

Higashida, Carol (1997)

Instructor, Nursing
B.S., M.N., University of California, Los Angeles.

Hilmer, Keith A. (1989)

Professor, Mathematics
B.S., University of Northern Iowa;
M.S., University of Oregon.

Hoffmans, Kimberly D. (1993)

Associate Professor, Nursing
B.S.N., University of Texas, Austin;
M.S.N., Texas Woman's University.

Hopkins, Ranford B. (1989)

Professor, History
B.A., M.A., University of California, Santa Barbara.

Ingersoll, Orbie (1967)

Professor, Music
B.A., California State University, Northridge;
M.A., University of California, Santa Barbara.

Ingram, Edna M. (1986)

Counselor
B.A., Roosevelt University;
M.A., California State University, Northridge.

Izumo, Gary (1995)

Associate Professor, Business
B.A., Occidental College;
M.B.A., University of California, Los Angeles.

Izumo, Susan (1981)

Counselor
A.B., M.A.T., Whittier College;
M.S., California Lutheran College.

Johnson, Michael (1989)

Department Chair, Counseling
Counselor
B.S.S.W., M.S.W., St. Louis University,

Kairschner, Anne J. (1989)

Professor, English/Humanities
B.A., University of California, Santa Cruz;
M.A., University of California, San Diego.

Key, David (1984)

Professor, Computer Information Systems/
Mathematics
B.A., M.S., California State University, Northridge.

Keever, John (1969)

Coordinator, Athletics;
Professor, Physical Education
B.A., University of California, Santa Barbara;
M.A., California State University, Chico.

Keil, Robert N. (1997)

Instructor, Organic Chemistry
B.S., University of California, Berkeley;
Ph.D., University of California, Santa Barbara.

Kessner, Dolly E. (1990)

Professor, Music
A.B., M.A., University of California, Los Angeles;
Ph.D., University of Southern California.

Kurtik, Richard (1971)

Department Chair, Chemistry/Environmental/
Earth Sciences; Professor, Chemistry
B.S., California State College;
M.A., University of California, Santa Barbara.

LaBarge, Mary L. (1983)

Associate Librarian;
Professor, Mathematics
B.A., University of California, Santa Barbara;
M.L.S., University of Southern California.

Letinsky, Norma (1995)

Assistant Professor, High Tech Center Specialist
B.A., University of California, Los Angeles
M.A., California State University, Los Angeles

Lewis, Katherine (1975)

Professor, Theatre Arts
B.A., M.A., University of California, Los Angeles;
Ph.D., University of California, Santa Barbara.

Loiselle, Linda S. (1981)

Professor, Nursing
B.S.N., University of Illinois Medical Center;
M.S.N., California State University, Los Angeles.

Lopez, Diana (1970)

Professor, English
A.A., Ventura College;
B.A., M.A., San Francisco State University;
Ed.D., Nova University.

Lopez, Robert (1971)

Professor, Archaeology/Anthropology
B.A., M.A., California State University, Northridge.

Lynch, Jennifer K. (1998)

Instructor, Child Development
B.S., Iowa State University
M.A., California State University, Northridge

Mai, Letrisha (1995)

Counselor
B.A., M.A., California State University, Northridge

Manakas, Sharon L. (1992)

College Nurse;
Professor/Coordinator, Student Health Services
A.S., Ventura Community College;
B.S., M.S., California State University, Dominguez Hills.

Martin, Floyd (1967)

Dean
B.S., M.A., Arizona State University.

Marx, Christine E. (1990)

Professor, Art History
B.A., M.A., University of California, Santa Barbara.

Masters, Melanie (1998)

Learning Disabilities Specialist Instructor
B.A., University of California, Los Angeles;
M.A., California State University, Los Angeles

McAdam, Thomas M. (1980)

Department Chair, Life Sciences
Professor, Biology/Anthropology
B.A., California State University, Northridge;
M.S., California Polytechnic State University, San Luis Obispo.

McCullough, MoDean (1969)

Professor, Physical Education
B.S., Jamestown College, North Dakota;
M.S., University of North Dakota.

McDill, Linda (1986)

Professor, Sociology
B.A., M.A., Pepperdine University.

Mendoza, Gilbert R. (1973)

Professor, Physical Education
B.A., California State University, Fresno;
M.A., California Polytechnic State University, San Luis Obispo.

Meschan, Lynn M. (1990)

Associate Professor, Psychology
A.A., City College, San Francisco;
B.A., M.A., California State University, Sonoma.

- Meyer, Harold E. (1969)**
 Department Chair, Physics/Astronomy/Engineering
 Professor, Physics/Mathematics/Engineering
 B.S., M.A., California State University, Long Beach.
- Miller, Alfred J. (1972)**
 Professor, Radio/Television
 A.B., University of North Carolina;
 M.S., University of Illinois.
- Miller, Jack A. (1998)**
 Professor, Political Science
 B.A., University of Alabama;
 M.A., University of California, Santa Barbara;
 Ph.D., Claremont Graduate School.
- Miller, Larry O. (1971)**
 Professor, Anatomy/Biology/Physiology
 B.A., M.A., Ph.D., University of California, Santa Barbara.
- Mills, Mary L. (1989)**
 Department Chair, CIS/CS/Drafting
 Instructor, Computer Information Systems
 A.A., Moorpark College, Moorpark, CA
 B.S., California State University, Fresno
 M.B.A., California Lutheran University.
- Miranda, Gloria (1997)**
 A.A., Oxnard College, Oxnard, CA
 B.A., University of California, Santa Barbara
 M.S., California State University, Northridge
- Molnar, Charles D. (1968)**
 Professor, Mathematics
 B.S., Harvey Mudd College;
 M.A., University of California, Riverside
- Monteiro, Sergio Lara P. (1986)**
 Professor, Director of Electronics
 B.S., Federal University, Rio de Janeiro;
 M.S., University of Wyoming;
 M.S., Ph.D., Washington State University.
- Moore, Jo Ann (1990)**
 Professor, Radiologic Technology
 A.S., Long Beach City College, Long Beach;
 B.S., California State University, Long Beach;
 M.A., California State University, Northridge.
- Moore, Linda (1968)**
 Professor, Humanities
 B.A., Purdue University;
 M.A., California Lutheran College.
- Murphy, David K. (1969)**
 Professor, Chemistry
 B.S., University of California, Berkeley;
 M.A., M.S. ECE, Ph.D., University of California, Santa Barbara.
- Nasari, Muthena (1974)**
 Professor, Environmental Science
 B.S., Arkansas State University;
 M.S., Kansas State University;
 Ph.D., Columbia Pacific University.
- Nguyen, Diana (1997)**
 Professor, Mathematics
 B.S., M.S., University of California, Riverside
- Nordquist, Alwyn (1967)**
 Dean, Social Science/Physical Education/ Athletics Divisions
 B.A., San Diego State University;
 M.A., California State University, Long Beach.
- Ogden, Gary (1976)**
 Professor, Biology/Botany
 A.B., M.A., California State University, Fresno;
 Ph.D., University of California, Santa Barbara.
- Olivera, Raquel Antonia (1992)**
 Associate Professor, Spanish
 B.A., M.A., University of California, Santa Barbara.
- Pagson, Paul K. (1970)**
 Professor/Coordinator,
 Extended Opportunity Program Services
 B.A., Loyola University, Los Angeles;
 M.S., Mount St. Mary's College.
- Panec, Marie T. (1997)**
 Associate Professor, Microbiology
 B.A., University of San Diego;
 M.A., Wesleyan University;
 Ph.C., University of California, Davis.
- Parker, Delbert M. (1969)**
 Professor, Physical Education/Health Education
 B.S., M.S., University of California, Los Angeles.
- Patterson, James (1974)**
 Professor, Exotic Animal Training and Management
 B.S., California State Polytechnic University, Pomona;
 M.A., California Polytechnic State University, San Luis Obispo.
- Peddie, James F. (1991)**
 Professor, Exotic Animal Training and Management
 D.V.M., Cornell University.
- Petrello, Rolland C. (1991)**
 Professor, Speech
 A.A., Moorpark College;
 B.S., Southern Utah State College;
 M.A., Miami University of Ohio.
- Pollock, Steven J. (1968)**
 Department Chair, Behavioral Sciences;
 Professor, Psychology
 B.A., Whitman College;
 M.A., Ph.D., Claremont Graduate School.
- Ponce O'Rourke, Sally (1999)**
 Instructor, Psychology
 B.A., University of California, Santa Barbara
 M.A., California State University, Northridge
- Rahnamaie, Mahyad Z. (1988)**
 Professor, Mathematics
 B.S., Pahlavi University, Iran;
 M.S., Ph.D., University of Southern California;
 M.S., California State University, Northridge.
- Ramos, Judith S. (1995)**
 Professor, English
 B.A., Immaculate Heart College;
 M.A., California State University, Northridge;
 M.A., California State University, Los Angeles.
- Reynolds, Jack G. (1969)**
 Professor, Anatomy/Anthropology/Biology
 B.A., M.A., University of California, Berkeley.
- Ritchie, Deborah J. (1986)**
 Professor, Mathematics
 A.A., College of Sequoias;
 B.S., M.A., California Polytechnic State University, San Luis Obispo.
- Rode, Benjamin L. (1989)**
 Professor, Mathematics
 B.A., M.A., University of California, San Diego.
- Rodriguez, Rene G. (1992)**
 Dean
 B.A., M.A., University of California, Santa Barbara.
- Romero-Motlagh, Ofelia (1989)**
 Counselor, Bilingual
 A.A., Moorpark College;
 B.A., M.A., California State University, Northridge.
 Ph.D., University of California, Los Angeles
- Ross, Patricia A. (1991)**
 Professor, English
 A.A., Citrus College;
 B.A., Pomona College;
 M.A., Purdue University.
- Ruter, Sherry A. (1999)**
 Instructor, Physical Education/Health Education
 B.A., California State University, Chico;
 M.A., Azusa Pacific University
- Sanchez, Tomás (1991)**
 Professor, History/Chicano Studies
 B.A., California State University, Northridge;
 M.A., University of California, Santa Barbara.
- Sardisco, Frank V. (1967)**
 Professor, Art
 B.A., University of California, Los Angeles;
 M.F.A., Otis Art Institute.
- Schaak, J. Fred (1981)**
 Professor, Mathematics
 B.S., University of California, Davis;
 M.S., California State University, Northridge.

The College Community

Schulz, Hart (1989)

Professor, English
B.A., M.A., California State University, Northridge

Shargo, Eric S. (1992)

Associate Professor, Anatomy/Physiology/Biology/
Zoology
B.A., M.S., California State University, Northridge;
Ph.D., University of California, Los Angeles.

Sheridan, Pamela (1969)

Professor, English
B.A., M.A., University of California, Santa Barbara.

Shubert, Brenda (1982)

Professor/Coordinator, Nursing Science
B.S.N., Medical College of Georgia;
M.N., University of California, Los Angeles.

Sims, Sydney (1989)

Department Chair, Language Arts
Associate Professor, English
B.A., University of California, Los Angeles;
M.A., University of Pennsylvania;
Ph.D., University of California, Berkeley.

Song, James J. (1991)

Professor, Music
B.M.E., M.M., University of Colorado, Boulder.

Spraggins, M. Thomas (1974)

Professor, Accounting/Business
B.S., California State University, Northridge;
M.S., Colorado State University;
M.A., California Lutheran College;
Certified Public Accountant.

Stemen, James A. (1969)

Department Chair, Performing Arts
Professor, Music
B.A., Goshen College;
M.A., M.S.M., Southern Methodist University.

Stephens, Robert T. (1968)

Department Chair, Mathematics
Professor, Mathematics
B.S., Brigham Young University;
M.S., University of California, Riverside.

Stewart, Nancy L. (1980)

Professor, Physical Education/Health Education
B.A., California State University, Long Beach;
M.S., Wisconsin State University.

Stewart, Sexton (1974)

Department Chair, Visual & Communication Arts
Professor, Graphic Communications
B.S., Southern University, Louisiana;
M.A., San Francisco State University.

Strumpf, Michael (1967)

Professor, English/Reading
B.S., M.S., University of Southern California.

Sukiennik, Diane (1974)

Counselor; Matriculation Coordinator
B.A., State University of New York, Albany;
M.A., Columbia University;
Ed.D., Nova University.

Szylewicz, Arthur (1986)

Professor, Mathematics
B.A., M.A., University of California, Los Angeles.

Tan, Shioh-Ling Sheila (1991)

Associate Professor, Computer Science
B.A., Tunghai University, Taichung, Taiwan;
M.Ed., M.A., M.S., University of California, Santa
Barbara.

Tennen, Edward F. (1980)

Dean
B.A., California State University, Long Beach;
M.A., M.S.L.S., University of Southern California;
Ed.D., Nova University.

Tennenhouse, Tracy S. (1998)

B.A., University of California, Los Angeles;
M.A., Ph.D., University of California, Santa Bar-
bara

Redd, Danita R. (1993)

Counselor
B.A., M.A., California Polytechnic State University,
San Luis Obispo.

Thionnet, Floyd D. (1972)

Dean
A.A., Bakersfield College;
B.S., University of Arizona;
M.S., California Polytechnic State University, San
Luis Obispo.

Thompson, Joan (1974)

Professor, Music
B.A., M.A., California State University, Northridge.

Thurston, Willard J. (1991)

Professor, Physical Education
B.A., California State University, Northridge;
M.A., Azusa Pacific University.

Walker, James W. (1992)

President
B.S., M.A., Loyola University, Los Angeles;
M.S., University of Notre Dame;
Ed.D., University of Southern California.

Wallingford, Ronald H. (1998)

Instructor, Astronomy/Physics
B.S., M.S., University of California, Los Angeles

Walters, J. Roger (1971)

Professor, Mathematics
B.A., University of California, Los Angeles;
M.A., University of Oregon.

Weinstein, David S. (1991)

Professor, Mathematics
B.A., M.S., California State University, Northridge.

Wieder, Les (1977)

Professor, Theatre Arts/Radio/Television
B.A., M.A., California State University, Northridge.

Wilson, Gary L. (1985)

Professor/Coordinator, Exotic Animal Training and
Management
A.S., Moorpark College;
B.A., M.A., University of California, Santa Barbara.

Winkler, Helga (1996)

Instructor, Spanish
B.A., Arizona State University, Tempe
B.A., University of Aachen;
M.A., University of Kiel;
Ph.D., University of Texas, Austin

Woodward, Carol (1981)

Professor, Psychology
B.A., M.A., California State University, Northridge;
Ph.D., University of Southern California.

Wygant, Grethe M. (1988)

Professor, Mathematics
A.A., Santa Barbara City College;
B.A., M.A., University of California, Santa Barbara.

Wyman, James L. (1974)

Professor, Business/Speech/Forensics
B.A., University of Redlands;
J.D., Loyola Law School.

Young, Kathleen (1974)

Professor, Business / Computer Information
Systems
B.S., California State University, Long Beach;
M.A., California Lutheran College.

FACULTY EMERITUS

Ainge, Kenneth E. (1967)

Director, Business and Technology Division
A.B., University of California, Santa Barbara;
M.A., University of California, Los Angeles;
Ed.D., Brigham Young University.
Retired June, 1987.

Allen, Judith (1968)

Professor, English
A.B., Pennsylvania State University;
M.A., California State University, Sacramento;
M.L.S., Immaculate Heart College.
Retired July, 1993.

Anderson, Donald (1968)

Coordinator, Equine - Rancho Sierra Vista;
Professor, Agriculture
B.S., California State University, Fresno;
M.A., California Polytechnic State University, San
Luis Obispo;
Ph.D., Colorado State University.
Retired May, 1994.

Bassett, Estella M. (1967)

College Nurse, Health Education
R.N., Saint Mary's Hospital School of Nursing;
M.S., State University College, Brockport, N.Y.;
M.P.H., University of California, Los Angeles.
Retired June, 1974.

Bendat, William I. (1970)

Dean, Student Services
B.A., University of California, Los Angeles;
M.A., San Diego State University;
Ph.D., Nova University.
Retired July, 1992.

Bettini, Arthur J. (1967)

Dean, Physical Education/Health Education
Division/Social Science Division
B.A., M.A., University of California, Los Angeles.
Retired December, 1994.

Bishop, David (1968)

Department Head, Life Sciences;
Professor, Biology/Microbiology
B.S., Washington State University;
M.A., University of California, Santa Barbara.
Retired May, 1997.

Black, Richard (1968)

Professor, English
B.A., M.A., University of California, Santa Barbara.
Retired May, 1991.

Bowen, Donald C. (1967)

Professor, Accounting
B.S., San Diego State University;
M.B.A., University of California, Los Angeles;
M.S., California State University, Northridge.
Retired June, 1991.

Brisby, William L. (1969)

Exotic Animal Training and Management
B.S., Colorado State University;
M.S., University of Southern California.
Retired June, 1985.

Broadbooks, Jane M. (1986)

Department Head, Mathematics;
Professor, Mathematics
B.S., University of Michigan;
M.A., Washington University.
Retired May, 1997

Buckner, Kenneth (1968)

Professor, Sociology
B.S., M.A., University of Southern California.
Retired May, 1992.

Corbell, Marjorie L. (1970)

Professor, Business Information Systems
A.A., Kansas City Junior College;
B.S., Central Missouri State College;
M.A., California State University, Long Beach.
Retired May, 1993.

de la Peña, José F. (1988)

Professor, Counseling
A.A., Laredo Junior College;
B.A., Texas A&M University, Kingsville;
M.A., San Jose State University.
Retired May, 1997.

Deutsch, Dolores (1970)

Professor, Child Development
B.A., University of California;
M.A., California State University, Northridge.
Retired June, 1988.

Dillon, Joanna P. (1980)

Professor, Learning Disabilities
B.S., University of Illinois;
M.S., California Lutheran College.
Retired May, 1995.

Dodgen, William W. (1971)

Professor, Art
B.A., Drury College;
M.F.A., Wichita State University.
Retired May, 1994.

Dunham, F. Paul (1967)

Director, Physical Education/Health Education
Division; Director, Athletics
B.A., University of California, Santa Barbara;
M.A., California State University, Northridge.
Retired July, 1992.

Edwards, Richard (1970)

Professor, English
A.B., University of California, Santa Barbara;
M.A., Yale University.
Retired May, 1997.

Evans, Brook (1974)

Professor, Business
A.A., Orange Coast College;
B.S., California State University, Long Beach;
M.B.A., California State University, Northridge;
M.A., California Lutheran College.
Retired May, 1992.

Fink, Paul (1970)

Professor, Philosophy
B.A., Pennsylvania State University;
M.A., University of Rochester.
Retired May, 1992.

Fleming, Jack (1968)

Director, Continuing Education
B.A., California State University, Sacramento;
M.A., California Lutheran College.
Retired June, 1992.

Gayle, James R. (1967)

Vice President, Instructional Services
B.S., United States Naval Academy;
M.S., Purdue University.
Retired June, 1988.

Gilman, Richard E. (1967)

Biological Sciences
B.S., M.S., St. Mary's College;
M.S., University of Southern California.
Retired February, 1978.

Griffith, W. Randolph (1967)

History
B.A., University of California, Riverside;
M.A., University of California, Los Angeles.
Retired June, 1986.

Hanft, John (1967)

Professor, English
B.A., University of California, Riverside;
M.A., California State University, Chico.
Retired May, 1997.

Harris, Verle D. (1968)

Professor, Drafting Technology
B.S.E., California State University, Long Beach.
Retired May, 1995.

Heydenreich, John (1971)

Professor, Counseling
B.S., University of Southern California;
M.S., California State University, Los Angeles.
Retired June, 1992.

Hughes, Frances E. (1985)

Professor, Nursing
R.N., Fresno General Hospital;
B.A., California State University, Fresno;
M.S., University of California, Los Angeles;
M.Ed., University of British Columbia.
Retired May, 1992.

Hurley, John (1967)

Associate Librarian
B.A., M.A., San Diego State University;
M.L.S., University of California, Los Angeles;
Ed.D., Nova University.
Retired June, 1983.

Imbach, Marjorie (1971)

Director, Community Services and Publications
B.A., University of California, Santa Barbara;
M.A., University of California, Los Angeles.
Retired June, 1979.

Keyser, Marshall R. (1974)

Professor, Business
B.S., Shippenburg State College;
M.S., Ph.D., University of Pittsburgh.
Retired May, 1993.

Lloyd, Lawrence G. (1967)

Vice President, Administrative Services
A.B., M.A., University of Southern California.
Retired June, 1992.

Long, Alicia A. (1979)

Dean, General/Transfer Education
B.A., University of Minnesota;
M.A., California State University, Northridge.
Retired July, 1992.

Long, Knox T. (1968)

Professor, Counseling/History
B.A., University of California, Santa Barbara;
M.A., California State University, Los Angeles.
Retired May, 1992.

Lossner, Walter M. (1969)

Sociology
B.A., B.D., Concordia Seminary;
M.S., Los Angeles State College;
Ph.D., University of Southern California.
Retired June, 1977.

Matsuda, Stella S. (1980)

Professor, Dance
B.S., University of California, Los Angeles;
M.A., California Lutheran College.
Retired May, 1997.

Matthews, Donald O. (1988)

Director, Business and Technology Division
A.A., Ventura College.
Retired July, 1992.

Mehr, Sheldon (1970)

Professor, Music
B.A., University of California, Los Angeles;
M.A., California State University, Los Angeles.
Retired June, 1991.

Miller, Robert W. (1967)

Professor, Chemistry/Environmental Science
A.B., Temple University;
M.S., University of Arizona.
Retired June, 1993.

Moore, Evelyn G. (1974)

College Nurse;
Professor/Coordinator, Student Health Services
R.N., Jefferson Medical College Hospital;
B.S., P.H.N., Catholic University of America;
M.A.E., California Lutheran College.
Retired May, 1992.

Noyes, Jack (1970)

Professor, Art
B.S., M.A., University of Michigan.
Retired May, 1997.

Pacheco, A. Darlene (1969)

Vice President, Instructional Services
B.A., Colorado State University;
M.A., Ed.D., Northern Colorado State University.
Retired June, 1997.

Pearson, Beverly J. (1967)

Professor, Spanish
B.A., University of Michigan;
M.A., University of California, Berkeley.
Retired May, 1992.

Sarnecky, Dorothy (1967)

Geology
B.A., University of Notre Dame;
M.S., Stanford University.
Retired June, 1979.

Schechter, Arthur J. (1980)

Professor, Biology/Chemistry
A.B., M.S., Ed.D., University of So. California.
Retired May, 1992.

Scott, Delmore E. (1969)

Professor, Art
B.F.A., M.F.A., University of Southern California.
Retired June, 1988.

Shindo, Kokki (1969)

Professor, Mathematics
A.B., Ripon College;
A.B., M.A., University of California, Los Angeles;
M.S., Western Washington State.
Retired May, 1997.

Siegel, A. Howard (1967)

Professor, Humanities/French/English
B.A., Queens College;
M.A., Kansas State University;
Ph.D., University of Southern California.
Retired December, 1994.

Slama, Michael M. (1966)

Director of Library Services
J.D., Charles University, Prague, Czechoslovakia;
M.A., University of Denver.
Retired February, 1980.

Smith, Mitchell L. (1972)

Professor, Criminal Justice
B.A., M.A., San Diego State University.
Retired May, 1997.

Straughan, Jerry E. (1975)

Professor, Political Science/Urban Studies
B.A., University of California, Los Angeles;
M.A., California Lutheran College.
Retired May, 1995.

Stringer-Eilers, Pauline (1970)

Professor, Interior Design
B.S., Oklahoma State University;
M.S., California State University, Northridge;
Ed.D., Nova University.
Retired June, 1991.

Strong, Richard (1971)

Professor, Speech/Forensics
B.A., M.A., University of Redlands.
Retired May, 1999.

Sturgeon, James H. (1967)

Art
B.A., M.F.A., University of California, Santa Barbara.
Retired June, 1986.

Thomsen, John E. (1969)

Professor, Electronics/Engineering
B.S., M.S., University of California, Los Angeles.
Retired May, 1992.

Trevino, Manuel O. (1971)

Professor, Physical Education
A.B., M.A., California State University, Chico.
Retired May, 1997.

Trevino, Sandra Kay (1988)

Librarian
A.A., Ventura College;
B.A., California State University, Chico;
M.L.S., University of Southern California.
Retired May, 1997.

Wolff, Louis A. (1982)

Professor, Computer Information Systems / Business Information Systems
B.S., M.S., University of La Verne.
Retired May, 1997.

COLLEGE/DISTRICT ADMINISTRATION

Administration of the College

President Dr. James Walker

Office of Student Learning

Executive Vice Pres., Student Learning Dr. Eva E. Conrad
 Dean, Rene G. Rodriguez
 Dean, Dr. Victoria Bortolussi
 Dean, Dr. Judith A. Gerhart
 Dean, Dr. Sidney Adler
 Dean, Dr. Edward F. Tennen
 Dean, Floyd Martin
 Dean, Alvyn Nordquist
 Dean, Vacant
 Dean, Floyd Thionnet

Office of College Services

Vice President, College Services Dr. Ruth Hemming
 Director, Auxiliary Services David Leyba
 Director, Maintenance and Operations Jim Ferguson

Organization of Departments and Programs

Coordinators

Athletics John Keever
 Child Care/Child Development Linda A. Cravens
 Extended Opportunity Program Services Paul K. Pagson
 Exotic Animal Training/Management Gary L. Wilson
 Nursing Science Brenda Shubert
 Special Education Janet M. Andriese
 Student Health Services Sharon L. Manakas

Department Chairs

Behavioral Sciences Steven J. Pollock
 Business Janice C. Feingold
 Child Dev./Criminal Justice/Interior Design Linda Cravens
 CIS/CS/Drafting Mary Mills
 Counseling Mike Johnson
 History and Institutions Robert Herman
 Language Arts Sydney Sims
 Life Sciences Thomas McAdam
 Mathematics Robert Stephens
 Modern Languages and ESL Grace Bodhaine
 Performing Arts James Stemen
 Physical Education Ronald Halleran
 Physics/Astronomy/Engineering Fred Meyer
 Chemistry/Environmental/Earth Sciences Richard Kurtik
 Visual and Communication Arts Sexton Stewart

Title IX Representative Dr. Eva Conrad
 Title V Facilitator (Affirmative Action) Sally Ponce-O'Rourke
 504 Facilitator (Handicapped) Floyd Thionnet

Accreditation

Moorpark 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 Commission on Recognition of Post-secondary Accreditation and the U.S. Department of Education.

The Ventura County Community College District

333 Skyway Drive, Camarillo, California 93010, phone: (805) 384-8300.

Governing Board

Dr. Allan W. Jacobs President, Simi/Moorpark Area
 Robert Gonzalez Vice President, Ojai/Santa Paula/Camarillo Area
 Dr. Norman J. Nagel Member, Conejo Area
 Pete E. Tafoya Member, Oxnard/Port Hueneme Area
 John Tallman Member, Greater Ventura/North Oxnard Area
 Becky Lawson Student Trustee

District Administrators

Dr. Philip Westin Chancellor
 Michael Gregoryk Deputy Chancellor

Moorpark College Foundation

The Moorpark College Foundation was formed in 1980 and is a non-profit, tax-exempt auxiliary organization which accepts and solicits gifts, donations, trusts, and bequests for college related use. It provides tax deductible advantages to the donor. It also provides a method for the college to interact with businesses, government, and other nonprofit agencies in the broader Southern California community.

Though public funds provide support for most of the instructional and related activities and facilities at the college, donations, gifts and bequests provide a significant addition to institutional accomplishments. Private contributions are essential for the support of creative faculty efforts which extend beyond normal institutionally supported areas, including scholarships for incoming honor students, and needed physical facilities such as the Charles Temple Observatory, Griffin Stadium, and special instructor-created projects which enhance a student's learning experience.

Information can be secured by calling (805) 378-1407, or by addressing a letter to the Moorpark College Foundation, 7075 Campus Road, Moorpark, CA 93021, a 501(c)(3) nonprofit corporation recognized by the Internal Revenue Service.

Important Notice - The Ventura County Community College District and Moorpark College have made every reasonable effort to determine the information provided in this catalog is accurate. Courses, programs and requirements are subject to change without notice by the Governing Board and Administration of the Ventura County Community College District. All fees are subject to change at any time.

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APPLICATION FOR ADMISSION INSTRUCTIONS

NOTE: If you have attended Moorpark, Oxnard, or Ventura College anytime since 1983, you do not need to complete a new application for admission. However, please notify the Records office in writing of any change to your name, address, or phone number.

1. Use a ball point pen only to complete the Application for Admission.
2. The code numbers needed to complete questions 7, 14, 16, and 17 are listed below.
3. Answer all questions on both the Application for Admission and Statement of Residence. **Make sure that at least two years of legal residence have been provided.** Incomplete applications cannot be processed and will be returned to you.
4. Sign and date the application and statement of residence.
5. Return the application to **Moorpark College Records Office**, 7075 Campus Rd., Moorpark, CA 93021 or **Fax (805) 378-1583**.
6. Questions regarding the Application for Admission, residency requirements or registration procedures should be directed to the Records Office at (805) 378-1429.

REMEMBER: An application for admission must be on file before registration can take place.

Question 7 — States

1 Alabama	9 District of Columbia	17 Kansas	25 Mississippi	33 New York	41 South Carolina	49 West Virginia
2 Alaska	10 Florida	19 Kentucky	26 Missouri	34 North Carolina	42 South Dakota	50 Wisconsin
3 Arizona	11 Georgia	18 Louisiana	27 Montana	35 North Dakota	43 Tennessee	51 Wyoming
4 Arkansas	12 Hawaii	20 Maine	28 Nebraska	36 Ohio	44 Texas	If not U.S., list country
5 California	13 Idaho	21 Maryland	29 Nevada	37 Oklahoma	45 Utah	
6 Colorado	14 Illinois	22 Massachusetts	30 New Hampshire	38 Oregon	46 Vermont	
7 Connecticut	15 Indiana	23 Michigan	31 New Jersey	39 Pennsylvania	47 Virginia	
8 Delaware	16 Iowa	24 Minnesota	32 New Mexico	40 Rhode Island	48 Washington	

Question 14 — High Schools

193008 Agoura	563174 Channel Islands	564310 La Reina	563013 Oak Park	564536 Santa Clara	563700 Thousand Oaks
563499 Apollo	563202 Fillmore	563325 Moorpark	563454 Oxnard	563577 Santa Paula	563782 Ventura
563079 Buena	563284 Hueneme	563374 Newbury Park	563476 Rio Mesa	563618 Simi Valley	564823 Villanova
563161 Camarillo		563407 Nordhoff	563500 Royal	564486 St. Bonaventure	563011 Westlake

Question 16 — Majors

1234 Accounting	1458 Economics	2347 Hotel & Restaurant Management	2689 Premedical
1236 Criminal Justice	1459 Electronics	2350 Industrial Safety	3456 Psychiatric Technology
1237 Administrative Aide	1467 Engineering	2356 Information Processing Systems	3457 Psychology
1239 Agriculture	1468 English	4789 Interior Design	3459 Radio-Television-Film
1245 Air Conditioning/Refrigeration	1475 Environmental Sciences	2357 Journalism	3460 Radiologic Technology
1246 Alcohol/Drug Studies	1478 Ethnic & Special Studies	2359 Laser/Electro-optics Technology	3467 Real Estate
1248 Anthropology	1479 Exotic Animal Training & Management	2368 Legal Assisting	3468 Recreation
1249 Architecture	1489 Fashion Design/Merchandising	2369 Liberal Arts	3469 Religious Studies
1256 Art	1567 Fire Technology	2375 Logistics	3567 Sociology
1257 Automotive	1569 Foreign Languages	2379 Machine Shop	3578 Speech
1259 Behavioral Science	1579 General Studies	2456 Mathematics	3678 Teaching/Liberal Studies
1267 Bilingual/Cross Cultural	1589 Geography	2458 Music	3679 Telecommunications
1268 Biology	1678 Geology	2468 Nursing	3689 Theater Arts
1278 Business	1689 Graphic Communications/Design/Production	2469 Office Technology/Secretarial	4569 Urban Studies
1289 Chemistry	1769 Hazardous Materials	2489 Petroleum Technology	4579 Water Science
1345 Chicano Studies	1789 Health Science	2567 Philosophy	4589 Welding
1346 Child Development	2000 High School Special Admissions Program	2568 Photography	4599 Word Processing
1358 Construction Technology	2345 History	2569 Physical Education	4400 Transfer-Other
1360 Computer Sciences	2346 Home Economics	2589 Physics	4500 Undecided/Undeclared
1378 Dance		2678 Political Science	4600 Vocational-Other
1389 Drafting Technology		2679 Preidental	

Question 17

University of California

017846 UC, Berkeley
577750 UC, Davis
307781 UC, Irvine
197887 UC, Los Angeles
337797 UC, Riverside
377837 UC, San Diego
427677 UC, Santa Barbara
447765 UC, Santa Cruz

California State University and Colleges

156250 CSU, Bakersfield
046242 CSU, Chico
196135 CSU, Dominguez Hills
106260 CSU, Fresno
306106 CSU, Fullerton
016178 CSU, Hayward
126450 CSU, Humboldt
196131 CSU, Long Beach
196133 CSU, Los Angeles
196770 CSU, Northridge
196140 Cal Poly, Pomona
346760 CSU, Sacramento
366184 CSU, San Bernardino
376720 CSU, San Diego
386796 CSU, San Francisco
436727 CSU, San Jose
376820 CSU, San Marcos
406145 Cal Poly, San Luis Obispo
496710 CSU, Sonoma
506730 CSU, Stanislaus

Community Colleges

425213 Allan Hancock College
345023 American River College
195020 Antelope Valley Com. College

155050 Bakersfield College
365074 Barstow College
045115 Butte College
445076 Cabrillo College
415062 Canada College
195154 Cerritos College
155001 Cerro Coso Com. College
015235 Chabot College
365210 Chaffey College
195177 Citrus College
385092 City College of San Francisco
305001 Coastline Community College
015257 College of Alameda
215060 College of Marin
415151 College of San Mateo
195175 College of the Canyons
335125 College of the Desert
125140 College of the Redwoods
545071 College of the Sequoias
475200 College of the Siskiyous
555055 Columbia College
195196 Compton Com. College
075190 Contra Costa College
345124 Cosumnes River College
365211 Crafton Hills College
405650 Cuesta College
375250 Cuyamaca College
305191 Cypress College
435184 DeAnza College
075268 Diablo Valley College
195217 East Los Angeles College
195225 El Camino College
435679 Evergreen Valley College
325335 Feather River College
435227 Foothill College
105240 Fresno City College

305240 Fullerton College
435263 Gavilan College
195257 Glendale Community College
305282 Golden West College
375249 Grossmont College
275129 Hartnell Community College
135570 Imperial Valley College
215001 Indian Valley College
305580 Irvine Valley College
105523 Kings River Comm. College
095001 Lake Tahoe Com. College
015450 Laney College
185420 Lassen College
195337 Long Beach City College
195346 Los Angeles City College
195365 Los Angeles Harbor College
195953 Los Angeles Mission College
195384 Los Angeles Pierce College
195387 Los Angeles Southwest College
195390 Los Angeles Trade-Tech. Col.
195396 Los Angeles Valley College
075269 Los Medanos College
235001 Mendocino College
245475 Merced College
015570 Merritt College
375509 Mira Costa College
435861 Mission College
505500 Modesto Junior College
275270 Monterey Peninsula College
565320 Moorpark College
195475 Mt. San Antonio College
335403 Mt. San Jacinto College
285540 Napa Valley College
015610 Ohlone College
305525 Orange Coast College
565321 Oxnard College

335565 Palo Verde College
375542 Palomar College
195575 Pasadena City College
545364 Porterville College
305609 Rancho Santiago College
195658 Rio Hondo College
335687 Riverside Community College
345740 Sacramento City College
305579 Saddleback College
365594 San Bernardino Valley College
375683 San Diego City College
375693 San Diego Mesa College
375300 San Diego Miramar College
395670 San Joaquin Delta College
435680 San Jose City College
425560 Santa Barbara City College
195825 Santa Monica College
495690 Santa Rosa Junior College
455695 Shasta College
315730 Sierra College
415711 Skyline College
485825 Solano Community College
375807 Southwestern College
155580 Taft College
565741 Ventura College
365790 Victor Valley College
105236 Vista College
015131 West Hills College
195952 West Los Angeles College
435860 West Valley College
585925 Yuba College

Independent Colleges and Universities

568120 Cal Lutheran University
198329 University of LaVerne
198904 University of Southern California

Moorpark College

Ventura County Community College District

Application For Admission



OFFICE USE ONLY

(USE BALL POINT PEN ONLY)

1. I plan to attend:
 Moorpark College Oxnard College Ventura College

2. I am applying for the: Year 19 ____
 Spring Semester Summer Session Fall Semester

3. Social Security Number: _____ - _____ - _____
 (If Available)

4. Name: _____
Last Name First Name Middle Initial

5. Previous Last Name (if you attended under another name):

6. Date of Birth: _____ - _____ - _____
Month Day Year

7. State Birthplace:
 California Other (see page 214 for state codes) _____

8. Sex: Male Female

9. Address:

(Number and Street)

10. City/State: _____

11. Zip Code: _____

12. Day Phone (include area code): _____ - _____ - _____

13. Evening Phone (include area code): _____ - _____ - _____

14. Last High School Attended (use H.S. code on page 214) _____

Name: _____

City: _____ State: _____

15. High School Graduation or Date Last Attended: _____ - _____
Month Year

16. Proposed Major (use code on page 214): _____

17. Last College Attended (use code on page 214): _____

Name: _____

City: _____ State: _____

Degree Earned: AA/AS Bachelor or Higher

18. California Driver's License Number: _____

19. Ethnic Survey:

A <input type="checkbox"/> Asian AC <input type="checkbox"/> Chinese AI <input type="checkbox"/> Asian Indian AJ <input type="checkbox"/> Japanese AK <input type="checkbox"/> Korean AL <input type="checkbox"/> Laotian AM <input type="checkbox"/> Cambodian AV <input type="checkbox"/> Vietnamese AX <input type="checkbox"/> Other Asian B <input type="checkbox"/> Black, Non-Hispanic F <input type="checkbox"/> Filipino H <input type="checkbox"/> Hispanic HM <input type="checkbox"/> Mexican, Mex.-Amer., Chicano	HR <input type="checkbox"/> Central American HS <input type="checkbox"/> South American HX <input type="checkbox"/> Other Hispanic N <input type="checkbox"/> American Indian, Alaskan Native O <input type="checkbox"/> Other Non-White P <input type="checkbox"/> Pacific Islander PG <input type="checkbox"/> Guamanian PH <input type="checkbox"/> Hawaiian PS <input type="checkbox"/> Samoan W <input type="checkbox"/> White X <input type="checkbox"/> Unknown XD <input type="checkbox"/> Decline to state
---	---

20. Primary Language

English
 Not English

21. Citizenship Status:

U.S. Citizen

NOT a U.S. Citizen

Permanent Resident (Immigrant) Visa
 Temporary Resident/Amnesty
 Refugee/Asylee
 Student Visa (F-1 or M-1)
 Other Visa or Visa type
 Unknown

22. Student Academic Level. (Please indicate your education status at the beginning of the semester for which you are applying. Mark the highest level of education attained.)

NOT a High School graduate:

Not a graduate of, and no longer enrolled in high school
 Special admit student currently enrolled in high school
 Currently enrolled in Adult School

High School graduate without a college degree:

Received High School diploma
 Received a Certificate of California High School Proficiency Exam
 Passed the GED, or received a High School Certificate of Equivalency/Completion
 Foreign Secondary School Diploma/Certificate of Graduation

College Degree:

Received an Associate Degree
 Received a Bachelor Degree or higher

Unknown:

Unknown

Date of the highest level of education attained:

_____ - _____
Month Year

23. Student Enrollment Status: (Mark one)

First-time student. A student enrolled in any college for the first time
 First-time transfer student. A student enrolled at this college for the first time and who has transferred from another college after earning credit.
 Returning transfer student. A student who has previously attended this college, transferred to another college, and has now returned to this college.
 Returning student. A student enrolled at this college after an absence of one or more regular sessions without interim attendance at another college.
 Special admissions student. A student who is currently enrolled in K-10 or a senior high school student currently enrolled in 11-12.

24. Student Educational Goal: (Select your highest priority)

Obtain a bachelor's degree after completing an associate's degree
 Obtain a bachelor's degree without completing an associate's degree
 Obtain a two year associate's degree without transfer
 Obtain a two year vocational degree without transfer
 Earn a vocational certificate without transfer
 Discover/formulate career interests, plans, goals
 Prepare for new career (acquire job skills)
 Advance in current job/career (update job skills)
 Maintain certificate or license (e.g. Nursing, Real Estate)
 Educational development (intellectual, cultural)
 Improve basic skills in English, reading or math
 Complete credits for high school diploma or GED
 Undecided on goal

