

Section VI
COURSE DESCRIPTIONS

Course Descriptions

Moreno Valley College offers a comprehensive program of instruction for students who wish to transfer to four-year institutions, complete an associate degree, train for specific occupations, or develop skills and knowledge. The information listed on courses and transferability is accurate as of the catalog publication date, but from time-to-time this varies based on changes that occur at four-year institutions. It is always advisable to check with a counselor and the four-year transfer institution for current updates. The following section includes a description of courses which the Board of Trustees has authorized the District to offer. The complete course outlines of record including student learning outcomes can be found at www.curricunet.com/RCCD.

UC/CSU

Designated courses are transferable to the campuses of the University of California and the California State University system. Courses that are not marked UC are not transferable to a University of California college. Courses marked with an * (UC*) indicate courses that have transfer credit limitations. Copies of the UC transfer course list indicating credit unit limitations are available in the Transfer/Career Center on the three colleges. When in doubt, students are advised to confer with a counselor.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Delivery Methods

A variety of delivery methods are used to offer classes a Riverside Community College District, including face-to-face classroom instruction and distance delivery methods such as hybrid classes and online classes (taught entirely online utilizing computer and Internet technology). Enrollment in online classes is limited to students who have demonstrated competency

in working in the online environment. Please see the Distant Education section of the class schedule for details on meeting the limitation on enrollment for online classes.

Non-Degree Credit

Courses indicated as non-degree credit earn credit, but the credit is not counted toward the associate degree. These courses (Communication Studies 51, 85A, 85B, English 60AB, 80, 85, 90B; English as a Second Language 51, 52, 53, 65, 71, 72, 90A, 90D, 90L, 90M, 90P, 91, 92, 95; Interdisciplinary Studies 3; Mathematics 37, 52, 63, 64, 65, 81, 82, 90 A-F, 98; Nursing-Continuing Education: 81; Nursing-Registered: 11B, 11C, 12B, 12C, 18, 21B, 21C, 22B, 22C; Nursing-Vocational: 52A, 52B, 52C, 62A, 62B, 62C; Reading 81, 82, 83, 86 and 90) are intended to help students develop skills necessary to succeed in college level degree- applicable courses. Non-degree credit courses can be used toward the following: athletic eligibility, work study, financial aid, social security benefits, veteran's benefits, associated student body office, and full-time status.

Noncredit

Courses are numbered in the 800's, and no unit credit is earned in these courses.

Repeating a Course

Students may repeat courses in which a "C" or better grade was earned only for the following types of courses: courses for which repetition is necessary to meet the major requirements of CSU or UC for completion of a bachelor's degree, intercollegiate athletics, and intercollegiate academic or vocational competition courses that are related in content. The designation of whether a course is repeatable is indicated in the course description.

Limitations on Enrollment

Please check course description carefully to see if there are any prerequisites, corequisites, advisory or other limitations on enrollment.

Prerequisite - When a course has a prerequisite, it means that the corresponding discipline has determined that the student must have certain knowledge to be successful in the course. The prior knowledge may be a skill (type 40 WPM), and ability (speak and write French fluently), a preparation score (placement test and prior academic background), or successful completion of a course (grade of C or better, P or CR). Completion of the prerequisite is required prior to enrolling in the class. Successful completion of a prerequisite requires a grade of "C" or better, "P" (Pass). "C-," "D," "F," "FW," "NP" (No Pass), or "I" are not acceptable. Students currently enrolled in a prerequisite course at Riverside Community College District (i.e. Math 52) will be allowed to register for the succeeding class (i.e. Math 35). However, if the prerequisite course is not passed with at least a "C" grade, the student will be dropped from the succeeding class.

Corequisite - When a course has a corequisite, it means that a student is required to take another course concurrent with or prior to enrollment in the course. Knowing the information presented in the corequisite course is considered necessary for a student to be successful in the course. (Completion of, or concurrent enrollment in, Math 1A is required for Physics 4A.)

It is the student's responsibility to know and meet the course prerequisites and corequisites. These are stated in the course descriptions of the schedule of classes and the current college catalog. A student may be required to file proof of prerequisite and corequisite requirements.

Advisory - When a course has an advisory, it means that there is a recommendation to have a certain preparation before entering the course. The preparation is considered advantageous to a student's success in the course. Since the preparation is advised, but not required, the student will not be blocked from enrolling in the class.

Verifying Prerequisites/Corequisites - It is the student's responsibility to know and meet the course prerequisites and corequisites. These are stated in the course descriptions within the Schedule of Classes and the college catalogs.

If you have met the prerequisites at another accredited college or university, you must provide verification through one of the following:

- Submit official transcript(s) and complete a Prerequisite Validation form.
- Submit unofficial transcript(s) or grade reports and complete a Matriculation Appeals petition. Petitions approved on an unofficial transcript will be approved for one semester only. This will provide time for the student to request official transcripts.
- Coursework must be listed on the original transcript. Coursework listed on a secondary transcript is not acceptable documentation.
- If you wish to challenge a prerequisite for courses other than English, ESL, math or reading on the basis of knowledge or ability or because of the unavailability of the prerequisite, submit a Matriculation Appeals petition at any of our campus's counseling offices.
- Successful completion of some high school courses are accepted by the discipline as an appeal to existing prerequisites and/or corequisites.

Petitions to challenge a prerequisite are available in the Counseling offices on all three colleges.

Credit Courses

Credit courses can be degree or non-degree applicable. Unlike non-credit courses, they do carry units based on the number of hours of lecture, lab, or both that are required in the official course outline for the course. These courses are in a wide variety of areas; each requires critical thinking, reading and writing, and assignments that are completed outside of class that require the student to study and work independently. Credit courses are approved by the District and College Curriculum Committees and the Board of Trustees.

ACCOUNTING

ACC-1A - Principles of Accounting, I 3 units UC, CSU (C-ID ACCT 110)

Prerequisite: None.

Advisory: BUS-20

An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing and summarizing procedures used in preparing financial statements. 54 hours lecture.

ACC-1B - Principles of Accounting, II 3 units UC, CSU (C-ID ACCT 120)

Prerequisite: ACC-1A

A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture.

ACC-55 - Applied Accounting/Bookkeeping 3 units (Same as CAT-55)

Prerequisite: None

This is an introductory course for students who are non-accounting majors. The focus is basic bookkeeping and accounting principles for both merchandising and service oriented small business enterprises. Emphasis is on the development of skills to record business transactions for cash and accrual methods, as well as the procedures to prepare financial statements and complete an accounting cycle. Attention is given to special journals, subsidiary ledgers, and payroll and banking procedures. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ACC-62 - Payroll Accounting 3 units CSU

Prerequisite: ACC-1A or ACC/CAT-55

Studies accounting for payroll and examines aspects of the Social Security Act, California Unemployment Insurance Act and the California Workmen's Compensation Insurance Act. Payroll principles applied through the use of microcomputers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ACC-63 - Income Tax Accounting 3 units CSU

Prerequisite: None

Theory and method of preparation of federal income tax returns for individuals. Actual forms are studied and returns are prepared. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ACC-65 - Computerized Accounting 3 units CSU

Prerequisite: ACC-1A or ACC/CAT-55

Advisory: CIS-1A or 3.

An introduction to computerized accounting, integrating the principles of accounting to an automated system in use by many accounting professionals. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**ACC-200 - Accounting Work Experience 1-2-3-4 units
CSU****Prerequisite: None*

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

ADMINISTRATION OF JUSTICE**ADJ-1 - Introduction to the Administration of Justice 3 units
UC, CSU (C-ID AJ 110)***Prerequisite: None*

The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture.

**ADJ-2 - Principles and Procedures of the Justice System 3 units
CSU (C-ID AJ 122)***Prerequisite: None*

This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional precedents. 54 hours lecture.

**ADJ-3 - Concepts of Criminal Law 3 units
UC, CSU (C-ID AJ 120)***Prerequisite: None*

Historical development, philosophy of law and constitutional provisions; definitions, classification of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force. 54 hours lecture.

**ADJ-4 - Legal Aspects of Evidence 3 units
CSU (C-ID AJ 124)***Prerequisite: None*

Origin, development, philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies. 54 hours lecture.

**ADJ-5 - Community Relations 3 units
UC, CSU (C-ID AJ 160)***Prerequisite: None*

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. 54 hours lecture.

**ADJ-6 - Patrol Procedures 3 units
CSU***Prerequisite: None*

Responsibilities, techniques and methods of police patrol. 54 hours lecture.

**ADJ-8 - Juvenile Law and Procedures 3 units
CSU (C-ID AJ 220)***Prerequisite: None*

The organization, functions, and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture.

**ADJ-12 - Introduction to Criminalistics 3 units
CSU***Prerequisite: None*

This course provides an introduction to the role of criminalistics in criminal investigations. It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances. The categories of inceptive evidence, identification evidence, associative evidence, and corroborative evidence will be explored, and the pattern, chemical, and biological types of evidence will be examined. 54 hours lecture and 18 hours laboratory.

**ADJ-13 - Criminal Investigation 3 units
CSU***Prerequisite: None*

Fundamentals of investigation; crime scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interviews and interrogation; follow up and case preparation. 54 hours lecture.

**ADJ-15 - Narcotics 3 units
CSU***Prerequisite: None*

A basic understanding of narcotics and dangerous drugs and the causes of addiction or habituation. Identification of narcotics and hallucinogenics, as well as enforcement procedures and legal aspects. 54 hours lecture.

DJ-20 - Introduction to Corrections 3 units*CSU Prerequisite: None*

This course is designed to provide the student with an overview of the history and trends of adult and juvenile corrections, including probation and parole. The course will focus on the legal issues, specific laws and general operations of correctional institutions. The relationship between corrections and other components of the judicial system will also be examined. This course has been identified by the Correctional Peace Officer Standards and Training Board of the Department of Corrections, California Youth Authority and the California Peace Officers Association to fulfill the educational requirements of the CPOST Certificate for apprentices hired after July 1, 1995 by CDC and CYA. 54 hours lecture.

**ADJ-21 - Control and Supervision in Corrections 3 units
CSU***Prerequisite: None*

This course provides an overview of the supervision process of inmates in the local, state and federal correctional institutions. The issues of the control continuum from daily institutional living through crisis situations will be introduced and discussed. The course will emphasize the role played by the offender and the correctional worker. Topics will include inmate subculture, violence and effects of crowding on inmates and staff and coping techniques for correctional officers in a hostile prison environment. This course has been identified by the Correctional Peace Officers Standards and Training Board of the Department of Corrections, California Youth Authority and the California Peace Officers Association to fulfill the educational requirements of the CPOST Certificate for apprentices hired after July 1, 1995 by CDC and CYA. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

**ADJ-22 - Legal Aspects of Corrections 3 units
CSU***Prerequisite: None*

This course provides students with an awareness of the historical framework, concepts and precedents that guide correctional practice. Course materials will broaden the individual's perspective of the corrections environment, the civil rights of prisoners and the responsibilities and liabilities of corrections officials. This course has been identified by the Correctional Peace Officers Standards and Training Board of the Department of Corrections, California Youth Authority and the California Peace Officers Association to fulfill the educational requirements of the CPOST Certificate for apprentices hired after July 1, 1995 by CDC and CYA. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**ADJ-200 - Administration of Justice 1-2-3-4 units
Work Experience****CSU****Prerequisite: None*

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on- thejob training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

BASIC PEACE OFFICER TRAINING ACADEMY

The Basic Peace Officer Training Academy was established in Riverside under the administration of Riverside City College in the spring of 1953. This program provides practical and technical instruction to meet the requirements of various law enforcement agencies at the local, state, and federal level. The Basic Academy serves 11 counties in Southern California. The Basic Academy is offered three times per year, forty hours per week, for 22 to 23-week periods. Upon successful completion of the course the College awards 39 units of college credit and the California Commission on Peace Officer Standards and Training issues the Basic Peace Officer's Certificate. For Basic Academy applications and further information regarding this program, contact Department of Public Safety Education and Training at (951) 571-6316.

ADJ-A3A - Child Abuse Investigations 2 units*Prerequisite: None*

This course is designed to provide the student with an overview of the child abuse investigative process. The course will focus on child abuse law, psychological factors of the offender, interviewing techniques, and responsibilities of the child abuse investigator. 40 hours lecture.

ADJ-A5A - Bicycle Patrol .5 unit*Prerequisite: ADJ-B1B*

An overview of the tactical handling of a mountain bicycle for use during law enforcement operations with a focus on public relations, nutrition, bicycle maintenance, and riding techniques. (Pass/No Pass only)

ADJ-A8A - Field Training Officer 1.5 units*Prerequisite: None*

This course is designed to provide the student with an understanding of the purpose of the field training program. This course will focus on the fundamentals of basic training in patrol concepts and procedures. 32 hours lecture and 8 hours laboratory. (Pass/No Pass only)

ADJ-A9A - Field Training Officer Update 1 unit*Prerequisite: None*

This course is designed to provide the student with an overview of the current legal issues and responsibilities of the field training officer. The course will focus on vehicle pursuits, weapons update, building searches, prisoner restraints, and the use of force. 24 hours lecture. (Pass/No Pass only)

ADJ-A10A - Vice Operations .25 unit*Prerequisite: ADJ-B1B*

This course is designed as an overview of vice operations for law enforcement personnel. This course will include discussions on prostitution, solicitors of lewd sex acts, massage parlor investigations, pimping and pandering, pornography and bookmaking. 8 hours lecture. (Pass/No Pass only)

ADJ-A11A - Effective Writing for Law Enforcement . 25 unit*Prerequisite: None*

This course will give the law enforcement student a critical understanding of effective writing skills. The course will cover the various types of documents written by the professional and focus on form. 4 hours lecture and 4 hours laboratory. (Pass/No Pass only)

ADJ-A13A - Drug Use Recognition 1 unit*Prerequisite: None*

This course is designed to provide updated skills training for law enforcement officers enforcing the provisions of 11550 H and S code. The course fulfills the Commission on POST two-year, 24-hour training requirement for advanced officer training. The course will emphasize public safety when handling incidents involving explosive devices. 20 hours lecture and 4 hours laboratory. (Pass/No Pass only)

ADJ-A14A - Search Warrant Preparation Workshop .25 unit*Prerequisite: None*

This course will instruct law enforcement personnel in the proper techniques used in the preparation of search warrants. The course will include construction of a "hero section," and supporting documentation needed to receive judicial endorsement. Also, practical exercises in search warrant preparation are reviewed. 6 hours lecture and 2 hours laboratory. (Pass/No Pass only)

ADJ-A14B - Search Warrant Execution Course .25 unit*Prerequisite: None*

This course presents the elements needed in both formulating a proper search warrant entry plan and specific tactics commonly employed by Target/Narcotic Teams for most law enforcement agencies. Students are taught entry techniques, marksmanship, close quarter battle tactics and teamwork. Additionally, this course offers the students the ability to practice the concepts taught in this course during "live-fire" scenarios which are controlled by the staff who are firearms instructors. 2 hours lecture and 6 hours laboratory. (Pass/ No Pass only)

ADJ-A29A - Courtroom Testimony and Demeanor .25 units*Prerequisite: ADJ-B1B*

An overview of the courtroom testimony process with a focus on courtroom dynamics, personal demeanor, and the verbal presentation of factual information. (Pass/No Pass only)

ADJ-A31A - Advanced Civil Procedures (POST) 1 unit*Prerequisite: None*

This course is designed to provide the student with an understanding of advanced civil processes. The course will focus on common writ processes, levy processes, and claims of exemption. 24 hours lecture.

ADJ-A42A - Crime Scene Investigation .5 unit*Prerequisite: None*

This course reviews principles of evidence collection, crime scene examination, recording, gathering trace evidence, and collecting and packaging of biological evidence i.e., body fluids. It will introduce the student to basic fundamentals of 35 mm camera and its use and function in a crime scene investigation. 16 hours lecture. (Pass/No Pass only)

ADJ-A44A - Laser Operator .25 unit*Prerequisite: None*

This course provides students with a review on Doppler radar and the understanding of the historical development, concepts, characteristics, and properties of laser technology. It is designed to teach students the proper use of law enforcement laser in traffic enforcement as well as knowledge and skill for courtroom testimony related to laser use. 6 hours lecture and 2 hours laboratory.

ADJ-A46A - Background Investigation 2 units*Prerequisite: ADJ-B1B*

This course provides students with basic techniques and legal information necessary to conduct background investigations for law enforcement agencies. Topics covered will include Legal Aspects, Polygraph Examinations, Psychological Evaluation, Background Investigation Process, Role of the Background Investigator and Pre- Background Investigation Interview/Areas of Inquiry. 36 hours lecture. (Pass/No Pass only)

ADJ-A48A - Basic Investigator's Course 2 units*Prerequisite: ADJ-B1B*

This course provides students with basic techniques and procedures necessary to perform follow-up criminal investigations, and to understand the available resources that assist the employee's transition to an investigative unit from assignments where the primary focus has been that of an "initial reporter." 40 hours lecture. (Pass/No Pass only)

ADJ-A56A - Elder Abuse/Racial Profiling 1st Responder .25 unit*Prerequisite: None*

This course provides students with the information they need to successfully investigate elder abuse cases as the initial responder. It provides the student with knowledge in identifying various forms of elder abuse and abuse to dependent adults. It provides information on crime scene management, interview and interrogation techniques and documenting the cases. The course will help the student understand what racial profiling is and show how to avoid participating in it. It will cover various penal codes and amendments that deal with racial profiling and review civil rights history dealing with racial profiling. 8 hours lecture. (Pass/No Pass only)

ADJ-B1A - Intro to Wellness and Physical Conditioning in Prep for Law Enforcement and Correctional Academies 1.5 units*Prerequisite: None*

This course plans an eight week physical training program targeting muscular strength development, cardiorespiratory endurance training, body composition assessment, physical agility, and muscular flexibility training. Additionally, this course is designed to prepare future basic academy students to meet peace officer basic training entrance requirements and to familiarize students with the career opportunities available in Law Enforcement. 24 hours lecture and 24 hours laboratory. (Pass/No Pass only)

ADJ-B1B - Basic Peace Officer Training Academy 39 units*Prerequisite: None*

Limitation on enrollment: Completion of POST reading and writing skills examination; completion of POST physical fitness assessment; possession of a valid California driver's license; successful completion of a medical examination; and fingerprint clearance through the California State Department of Justice. Intensive basic instruction designed to meet the minimum requirements of a peace officer as established by state law. 604 hours lecture and 321 hours laboratory

ADJ-B2A - Law Enforcement Pre-Academy 3 units*Prerequisite: None*

An introduction to law enforcement with an emphasis towards academic studies related to a basic law enforcement academy. Topics may include hiring processes, ethics and leadership, criminal law, search and seizure, report writing, cultural diversity and the criminal justice system. 54 hours lecture.

ADJ-B3A - Basic Community Service Officer Academy 3.5 units*Prerequisite: None*

Provides an overview of the fundamentals and techniques necessary to perform the position of Community Service Officer. Emphasis on the practical applications of weapon cleaning and servicing, hand cuffing prisoners, transporting inmates, report writing, basic traffic collision report processing, radio communication techniques, evidence processing, courtroom testimony, and civil liability issues. 66 hours lecture and 1 hours laboratory. (Pass/No Pass only)

ADJ-C1D - Basic Correctional Deputy Academy (C) 13 units*Prerequisite: None*

Limitation on enrollment: Completion of POST reading and writing examination. Completion of POST physical fitness assessment. Possession of a valid California driver's license. Successful completion of medical examination. Fingerprint clearance through the California Department of Justice. The Basic Correctional Deputy Academy provides entry-level training for correctional officers. The course will introduce the student to adult corrections procedure, interviewing, counseling techniques, defensive tactics, public relations, and oral and written communications. Security and supervision techniques in adult institutions are stressed. The Correctional Deputy Academy meets or exceeds the mandates of the California Board of Corrections and Rehabilitation. 201 hours lecture and 117 hours laboratory.

ADJ-C2A - Adult Correctional Officer Supplemental Core Course 3 units*Prerequisite: ADJ-B1B*

Orientation to custody and working in a correctional facility. Builds upon policing skills to include the necessary transitional training for graduates from the Basic Peace Officer Training Academy. The course is certified for Standards of Training for Corrections (STC) and meets the requirements of all agencies needing custody-trained officers. 55 hours lecture and 17 hours laboratory. (Pass/No Pass only)

ADJ-D1A - Basic Public Safety Dispatch Course 6 units*Prerequisite: None*

The 120-hour Basic Public Safety Dispatch Course is designed for law enforcement entry level dispatchers. The course provides basic skills and knowledge in proper telephone, radio techniques, stress management and local emergency service systems. 106 hours lecture and 14 hours laboratory. (Pass/No Pass only)

ADJ-D1B - Dispatcher Update, Public Safety 1 unit*Prerequisite: ADJ-D1A*

This 24-hour course is designed for the experienced Public Safety Dispatcher as a legal and critical issues update. This course includes updates in civil liability, ethics, civil procedures, wellness and stress management and communicating with the mentally ill. 24 hours lecture. (Pass/No Pass only)

ADJ-D1C - Communications Training Officer 2 units*Prerequisite: ADJ-D1A*

Provides communications trainers with the skills, knowledge, roles, and responsibilities in the training of new dispatchers. This course will emphasize the process necessary to manage the demands of being a communications trainer. 40 hours lecture (Letter grade only)

ADJ-D3A - Dispatch Upd- Handling the Rising Tide .25 unit of Suicide*Prerequisite: ADJ-D1A*

Enhances the skills and abilities of public safety dispatchers regarding the increase in suicide rates and the handling of such incidents. The student will be provided background information, concepts, techniques and an understanding of the emotional impact of dealing with suicides. This course also brings an awareness of the signs of suicide in coworkers and provides options for persuading them to seek help and refer them to appropriate resources. 8 hours lecture. (Pass/No Pass only)

ADJ-D4A - Dispatcher Role Critical Incidents .25 unit*Prerequisite: ADJ-D1A*

This course will assist professional public safety communications officers understand their role in assisting officers during high-risk incidents. Students will learn strategies to assist field officers during felony stops, response to high-risk calls and building searches. 8 hours lecture (Pass/No Pass only.)

ADJ-D4B - Dispatcher Role in Critical Incidents Advanced .25 unit*Prerequisite: ADJ-D1A*

This course is designed to provide the Public Safety Dispatcher with an understanding of the decisions officers in the field must make during critical incidents and how handling the radio traffic can affect their in scenarios inside the force options and driving simulators and formulate solutions to communication obstacles. 4 hours lecture and 4 hours laboratory. (Pass/No Pass only)

ADJ-D5A - Dispatcher Public Safety Advanced .5 unit*Prerequisite: ADJ-D1A*

Develops dispatchers professionally and personally, by increasing their knowledge, skills, and abilities to cope with challenging situations to which they are exposed on the job. Additionally, this course will increase interpersonal communication and crisis communication skills. 16 hours lecture. (Pass/No Pass only)

ADJ-D6A - Crisis Negotiation Concepts .25 unit*Prerequisite: None*

This course is designed to provide the student with a better understanding of identifying a crisis negotiation situation, as well as the understanding of the principles of crisis negotiation. The student will receive information on the various roles and responsibilities of a dispatcher, responding field units, and the crisis negotiations team. The course will discuss several techniques on how to combat stress during and after a crisis negotiation incident. The course will cover the importance of participating in critical incident debriefing. 8 hours lecture. (Pass/No Pass only)

ADJ-D7A - Dispatcher Domestic Violence and Sexual Assault .25 unit*Prerequisite: ADJ-D1A*

This course is designed to provide the student with the knowledge of the cycle of violence, signs and symptoms of domestic violence and sexual assault, phases of domestic violence, different environmental violence, and the understanding of why victims stay in violent relationships. Students will learn call taking and dispatching skills to assist victims of domestic violence and sexual assault, and the California Penal Code sections and other related laws in order to assist victims. 8 hours lecture. (Pass/No Pass only)

ADJ-E1A - Emergency Services Academy 2.5 units*Prerequisite: None*

This course is designed to provide the student with an overview of Special Weapons and Tactics Team (SWAT) operations. The course will focus on scouting, planning and execution of SWAT operations. 44 hours lecture and 36 hours laboratory. (Pass/No Pass only)

ADJ-K1A – Code Enforcement Officer, Basics 2 units*Prerequisite: None*

This is the first course in the Code Enforcement Officer Training Program. Students are introduced to basic concepts in municipal codes pertaining to various types of properties. Course topics include: Basic inspection protocols, planning and community development, officer safety, vehicle abatement, zoning/nuisance, right of entry and inspection warrants, case preparation and overview, abatement of dangerous buildings and substandard housing, legal remedies in code enforcement, dealing with difficult people, and interviews and interrogations. New CA state standards will be reviewed for compliance purposes with revised state regulations. Course prepares the student to take the Basic Certification of Code Enforcement. 40 hours lecture. (Pass/No Pass only)

ADJ-K1B – Code Enforcement Officer, Intermediate 2 units*Prerequisite: ADJ-K1A*

Second course in the Code Enforcement Officer Training Program. This 40 hour intermediate Code Enforcement Officer Course is designed for current Code Enforcement Officers or an individual who is seeking employment as a Code Enforcement Officer. Topics include: effective communications, use of chemical and technical means as deterrents, legal updates, multi-agency task force inspections, animal awareness and related hazards. 40 hours lecture. (Pass/No Pass only)

ADJ-K1C - Code Enforcement Officer, Advanced Code 2 units*Prerequisite: ADJ-K1B*

Third course in the Code Enforcement Officer sequence. This 40 hour advanced Enforcement Officer Course provides technical knowledge for Current Code Enforcement Officers or those individuals preparing to become Code Enforcement Officers that will require the interpretation and application of the Health and Safety and Building Codes. Topics include: legal aspects with constitutional considerations including Fourth Amendment, Vectors, Microbial Contamination, Building, Plumbing, Electrical, Mechanical, Fire Code, and Officer Safety pertaining to Drug and Gang Awareness. 40 hours lecture. (Pass/No Pass only)

ADJ-P4A - PC 832 Arrest, Search and Seizure 1.5 units*Prerequisite: None*

This course provides the student with the knowledge and skills necessary to qualify for limited peace officer status powers as required by Penal Code 832. The course will emphasize laws of arrest, search and seizure, evidence and the investigative process. This course meets the curriculum standards of the California Board of Corrections and the California Commission on Peace Officers Standards and Training. 30 hours lecture and 10 hours laboratory. (Pass/No Pass only)

ADJ-R1A2 - Level III Modular Academy Training 7 units*Prerequisite: None*

Limitation on enrollment: Fingerprint clearance through California State Department of Justice, provide a letter to course coordinator from the California State Department of Justice that there is no legal preclusion to the student handling firearms. Completion of a POST PelletB written exam or equivalent written exam. Completion of a Riverside Sheriff physical ability assessment, and personal history statement. Student materials fees are associated with this course. For more information go to www.mvc.edu/law. This course is designed to meet the state mandated training requirements to be qualified as a Level III police reserve officer. Curriculum covers the history and ethics of law enforcement, criminal justice system, defensive tactics, information systems, criminal law, crimes against persons and property, laws of arrest, use of firearms, vehicle operations, crimes in progress and report writing. The course satisfies Peace Officer Standards and Training (POST) requirements for Level III reserve police certification. 113 hours lecture and 49 hours laboratory. (Letter Grade only)

ADJ-R1B - Level II Modular Academy Training 11 units*Prerequisite: ADJ-R1A2*

Limitation on enrollment: Fingerprint clearance through California State Department of Justice to possess a firearm, completion of a physical fitness assessment, POST PelletB written assessment or equivalent, and Personal History Statement. This course is designed to meet the state mandated training requirements to be qualified as a Level II police reserve officer. Curriculum covers victimology and crisis intervention, community relations, crimes against persons, crimes against property, general crime statutes, crimes against the justice system, laws of arrest, search and seizure, presentation of evidence, use of force, weaponless defense, unusual occurrences, hazardous materials, patrol techniques, vehicle

pullovers, crimes against children, sex crimes, firearms and chemical agents, weaponless violations, persons with disabilities, crimes in progress, report writing, preliminary investigations and cultural diversity. This course satisfies Peace Officer Standards and Training (POST) requirements for Level II Police Officer certification. 189 hours lecture and 53 hours laboratory.

ADJ-R1C - Regular Basic Course, Modular Format, Module I Training 18.5 units*Prerequisite: ADJ-R1B*

Limitation on enrollment: Completion of POST physical fitness assessment; possession of a valid California driver's license; successful completion of a medical examination; and current fingerprint clearance through the California State Department of Justice. This course is the third module in the Regular Basic Course- Modular Format training sequence. Intensive instruction designed to meet the minimum requirements of a peace officer, or Level I Police Reserve Officer as established by state law. 285 hours lecture and 177 hours laboratory.

ADJ-S1A - Supervisory Course 4 units*Prerequisite: Completion of ADJ-B1B or equivalent*

A basic course covering the responsibilities of a law enforcement supervisor such as leadership, planning, transition, performance evaluations, investigations, employee relations, discipline, counseling, training, ethics, stress and motivation. 80 hours lecture.

ADJ-T1A - Traffic Collision Investigation: Basic 2 units*Prerequisite: ADJ-B1B*

A basic traffic collision investigation course which meets the requirements of 40600(A) of the California Vehicle Code. Topics include traffic law, accident reporting, scene management, skid mark diagramming and determining accident cause. The course includes practical exercises. 36 hours lecture and 4 hours laboratory. (Pass/No Pass only)

ADJ-T1B – Intermediate Traffic Collision Investigation 1.5 units*Prerequisite: ADJ-B1B and T1A*

Fundamentals of skid mark analysis and documentation which helps students develop advanced skills in accident investigation. Includes a practical exercise. This course is designed to help students improve their mathematics skills which are necessary for the advanced investigation course. 36 hours lecture and 4 hours laboratory. (Pass/No Pass only)

ADJ-T1C - Traffic Collision Investigation: Advanced 3.5 units*Prerequisite: None*

This course is designed to introduce the student to the fundamentals of vehicle dynamics. The course will emphasize analyzing evidence, collecting evidence, and preparing documentation. 68 hours lecture and 12 hours laboratory. (Pass/No Pass only)

ADJ-T1D - Traffic Collision Reconstruction 4 units*Prerequisite: None*

This course is designed to provide the student with the skills

necessary to investigate traffic collision reconstruction events. The correlation between actual investigations and mathematical models is emphasized. 72 hours lecture and 8 hours laboratory. (Pass/No Pass only)

ADJ-T2A - Radar Operations **1 unit**

Prerequisite: None

This course is designed to train law enforcement personnel in the operation of traffic RADAR. 20 hours lecture and 4 hours laboratory. (Pass/No Pass only)

ADJ-T3A - Driving Under the Influence (DUI) **1 unit**

Prerequisite: None

This course will provide the student with an historical perspective of laws covering persons driving under the influence of alcohol/drugs. The course will introduce the student to DUI statistics, enforcement techniques, handling DUI related traffic collisions and common field sobriety testing techniques. Additionally, DUI reporting techniques and issues related to case law will be covered. 20 hours lecture and 4 hours laboratory. (Pass No Pass only)

ADJ-W7A - Rangemaster Course **.5 units**

Prerequisite: None

Designed to introduce the student to instructional methods and adult learning styles relative to teaching firearms. The course emphasizes general firearm safety measures, equipment safety, legal aspects, firing line management and fundamentals of shooting. 15 hours lecture and 25 hours laboratory. (Pass/No Pass only)

ADJ-W10A - Firearms **.25 units**

Prerequisite: None

Limitation on enrollment: Department of Justice clearance letter. For more information go to the website www.mvc.edu/law. Firearms safety factors and precautions, firearms shooting principles including range firing of both handguns and shotguns. This course fulfills the firearms portion of ADJ-R1B (PC 832 Arrest and firearms). 16 hours laboratory. (Pass/No Pass only)

ADJ-W14A - Take Down and Ground Control **.25 units**

Prerequisite: None

This course is designed to provide the student with the skills necessary to achieve physical control of an uncooperative individual with the minimal amount of physical force. The course will emphasize the five basic components in defense and control. 4 hours lecture and 12 hours laboratory. (Pass/No Pass only)

ADJ-W20A - Less-Lethal Training **.5 units**

Prerequisite: None

This course will familiarize the student with various types of uses for less-lethal munitions. Emphasis will be placed on general firearms safety measures, equipment safety, legal aspects, use and deployment of less-lethal munitions against noncompliant individuals. 10 hours lecture and 6 hours laboratory. (Pass/No Pass only)

AMERICAN SIGN LANGUAGE

AML-1 - American Sign Language 1 **4 units**
UC*, CSU

Prerequisite: None

This course concentrates on developing the basic principles and skills of American Sign Language (ASL) through cultural appreciation and nonverbal instruction. Emphasis is placed on Deaf culture and Deaf people in history, visual training, sign vocabulary acquisition, comprehension and communicative skills development, as well as basic structural and grammatical patterns of ASL discourse at the beginning level. 72 hours lecture and 18 hours laboratory. (TBA option)

AML-2 - American Sign Language 2 **4 units**
UC, CSU

Prerequisite: AML-1

Further development of basic ASL skills in comprehension and expression. A continued emphasis on the acquisition of ASL vocabulary, fingerspelling, structures and grammatical patterns necessary for comprehension of standard signed ASL at the beginning/intermediate level. Nonverbal techniques are employed to further enhance the students' complex non-manual grammatical structures as well. 72 hours lecture and 18 hours laboratory. (TBA option)

ANATOMY AND PHYSIOLOGY

AMY-2A - Anatomy and Physiology I **4 units**
UC, CSU (C-ID BIOL 115S=AMY-2A + AMY-2B)

Prerequisite: BIO-1 or 1H

First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular system, and the eye and ear. Designed to meet the prerequisite for professional programs e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

AMY-2B - Anatomy and Physiology, II **4 units**
UC, CSU (C-ID BIOL 115S=AMY-2A + AMY-2B)

Prerequisite: AMY-2A

Second of a two course sequence in anatomy and physiology that covers these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory.

AMY-10 - Survey of Human Anatomy and Physiology 3 units
UC, CSU

Prerequisite: None

An introductory and survey course of structural and functional aspects of the human body. Emphasis is placed on cell organization, human tissues and discussion of each of the human systems. 54 hours lecture.

ANTHROPOLOGY**ANT-1 - Physical Anthropology 3 units****UC, CSU (C-ID ANTH 110)***Prerequisite: None*

An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.

ANT-1H - Honors Physical Anthropology 3 units
UC, CSU (C-ID ANTH 110)*Prerequisite: None*

Limitation on enrollment: Enrollment in the Honors Program. This honors course offers an enriched introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.

ANT-1L - Physical Anthropology Laboratory 1 unit
CSU, UC*Prerequisite: None*

Corequisite: Concurrent enrollment in or prior completion of ANT-1 or ANT-1H.

Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.

ANT-2 - Cultural Anthropology 3 units
UC, CSU (C-ID ANTH 120)*Prerequisite: None*

An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

ANT-2H - Honors Cultural Anthropology 3 units
UC, CSU (C-ID ANTH 120)*Prerequisite: None*

Limitation on Enrollment: Enrollment in the Honors Program. An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ANT-2 and ANT- 2H. 54 hours lecture.

ANT-3 - Prehistoric Cultures 3 units
UC*, CSU*Prerequisite: None*

The development of human society from the earliest evidence of culture to the beginnings of recorded history. The concepts, methods, and data of prehistoric archaeology are used to examine the major transitions in human prehistory, including the origins of culture, agriculture, and early civilization. 54 hours lecture.

ANT-4 - Native American Cultures 3 units
UC, CSU*Prerequisite: None*

A survey of Native American cultures from the pre-Columbian period through conquest and reservation life and into the present. Incorporates evidence from archaeology, oral history, personal narratives, and other sources. Emphasis will be on the growth of Native American cultures, modern communities, including urban life, social and religious institutions, and traditional cultural elements and artistic traditions. 54 hours lecture.

ANT-5 - Cultures of Ancient Mexico 3 units
UC, CSU*Prerequisite: None*

The development of civilization in ancient Mexico, integrating evidence from archaeology and the pre-hispanic and post-Conquest written records. Emphasizes the history, lifeways, and social and religious institutions of Mexico from the earliest cultures to the Aztec civilization, and their persistence in the modern world. 54 hours lecture.

ANT-6 - Introduction to Archaeology 3 units
UC, CSU (C-ID ANTH 150)*Prerequisite: None*

An examination of the basic concepts, methods, and findings of modern archaeology. Covers the history of archaeology, the application of archaeological methods of recovery and interpretation, and the analysis of archaeological evidence as it is used to reconstruct ancient societies and major trends in cultural evolution. 54 hours lecture.

ANT-7 - Anthropology of Religion 3 units
UC, CSU*Prerequisite: None*

Introduction to the anthropological study of religion in world cultures, using a cross-cultural approach to the analysis of beliefs, rituals, mythology, and the role of religion in society, particularly focusing on non-Western traditional societies. 54 hours lecture.

ANT-8 - Language and Culture 3 units
UC, CSU (C-ID ANTH 130)*Prerequisite: None*

An introduction to the anthropological study of language in world cultures. Characteristics of human verbal and non-verbal communication, language diversity and change, and the relationship of language to culture and social groups. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART

In studio classes, students are expected to pay for their own materials. Material fees are required in some classes.

ART-1 - History of Western Art: Prehistoric, Ancient, and Medieval **3 units**
UC, CSU (C-ID ARTH 110)

Prerequisite: None

Advisory: Qualification for ENG-1A.

Survey of the history of Western art: painting, architecture and sculpture, Prehistoric through the Medieval periods. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-2 - History of Western Art: Renaissance through Contemporary **3 units**
UC, CSU (C-ID ARTH 120)

Prerequisite: None

Advisory: Qualification for ENG-1A.

Survey of the history of Western art: painting, architecture, and sculpture, from the Renaissance through contemporary art. Students may not receive credit for both ART-2 and ART-2H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-5 - History of Non-Western Art **3 units**
UC, CSU

Prerequisite: None

Advisory: Qualification for ENG-1A and college level reading.

An introductory survey of the arts of non-European cultures. History, form, functions and aesthetics will be discussed in an overview of the arts of the Americas (Pre-Columbian and North American Indian), Oceania, Islamic, Sub-Saharan Africa, Southeast Asia, China and Japan. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-6 - Art Appreciation **3 units**
UC, CSU

Prerequisite: None

Advisory: Qualification for ENG-1A.

An introductory course for the non-art major. The creative process and the diversity of style, technique and media evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-6H - Honors Art Appreciation **3 units**
UC, CSU

Prerequisite: None

Advisory: Qualification for ENG-1A.

Limitation on enrollment: Enrollment in the Honors Program. An introductory course designed for the non-art major. The creative process and the diversity of styles, technique and media evident in various art forms throughout history and culture. Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-7 - Women Artists in History **3 units**
UC, CSU

Prerequisite: None

Advisory: Qualification for ENG-1A.

Survey of the contributions of women artists from the ancient era through the present. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-9 - African Art History **3 units**
UC, CSU

Prerequisite: None

A survey of the traditional through contemporary arts of African peoples. Both historical and current expressions of sculpture, body adornment, dance, architecture, painting, artifacts, ceramics and textiles, will be introduced and integrated with other aspects of life and culture in sub-Saharan Africa. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-12 - Asian Art History **3 units**
UC, CSU (C-ID ARTH 130)

Prerequisite: None

A survey of the history of Asian art (China, Japan, Korea and India) from prehistoric times to the present, including the religious and philosophical influence on the development of the art forms of architecture, sculpture, ceramics, painting and minor arts. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-13 - Pre-Columbian Art History **3 units**
UC,CSU (C-ID145)ARTH

Prerequisite: None

Advisory: Qualification for ENG-1A

A survey of the visual arts of ancient Mesoamerica and the Andes from 2000 BC-AD 1521 including the Maya, the Aztecs, and the Inca. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-14 - Latin American Art: Colonial to the Present **3 units**
UC, CSU

Prerequisite: None

Advisory: Qualification for ENG-1A.

Survey of architecture, sculpture, painting, and minor arts of Latin American countries from Colonial times through contemporary art. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ART-17 - Beginning Drawing **3 units**
UC, CSU (C-ID ARTS 110)

Prerequisite: None

An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

- ART-18 - Intermediate Drawing** **3 units**
UC, CSU (C-ID ARTS 205)
Prerequisite: ART-17
 Intermediate level and continued study of drawing with emphasis on the use of color media. Basic color theory, will be explored in thoughtful compositions. Students pay for their own materials. ART-18, 26 and 27 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hour laboratory. (Letter Grade, or Pass/No Pass option.)
- ART-22 - Basic Design** **3 units**
UC, CSU (C-ID ARTS 100)
Prerequisite: None.
 An introduction to the fundamentals of two-dimensional design. The organization of visual elements to the principles of design. Emphasis placed on visual perception, theory, dexterity, problem solving, analysis, application, skill and presentation. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
- ART-23 - Color Theory and Design** **3 units**
UC, CSU (C-ID ARTS 270)
Prerequisite: ART-17 or 22
 The study of color theory and two-dimensional design. The practice of the organization of the visual elements according to the principles of design. Emphasis placed on more advanced methods of communicating ideas through color in design. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
- ART-24 - Three Dimensional Design** **3 units**
UC, CSU (C-ID ARTS 101)
Prerequisite: None
 An introduction to the fundamentals of three-dimensional design. The use of the visual elements and the practice of the principles of design as they relate to various three-dimensional art forms (i.e., sculpture, architecture and product, commercial, stage, environmental and interior design). Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: \$15.00)
- ART-25A - Watercolor-Beginning** **3 units**
UC, CSU
Prerequisite: ART-17
 Course work that reflects the fundamentals of painting with transparent watercolors at an introductory level. Basic techniques, tools, and materials will be explored. Composition, idea, method, color, and creativity will be examined. Students pay for their own materials. ART-25A, 25B, and 45 are courses related in content and are limited in enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

- ART-25B - Watercolor-Intermediate** **3 units**
UC, CSU
Prerequisite: ART-25A
 Course work that reflects an intermediate-level of painting with transparent watercolors. Non-traditional methods, various techniques, tools, and materials will be explored. Intermediate concepts of composition, idea, method, color, and creativity will be examined. Students pay for their own materials. ART-25A, 25B, and 45 are courses related in content and are limited in enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
- ART-26 - Beginning Painting** **3 units**
UC, CSU (C-ID ARTS 210)
Prerequisite: ART-17
 An introduction to the fundamentals of painting (oil or acrylic). An exploration of various considerations in painting; techniques, process, color theory, visual perception, composition, and creative skills. Students pay for their own materials. ART-18, 26 and 27 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
- ART-27 - Intermediate Painting** **3 units**
UC, CSU
Prerequisite: ART-23 or 26
 Intermediate level of painting (oil or acrylic). Continued exploration of various techniques and the application of color theory. Development of visual compositional, and creative skills. Students pay for their own materials. ART-18, 26 and 27 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
- ART-28A - Studio Painting-Portfolio Preparation** **3 units**
UC, CSU
Prerequisite: ART-27
 Independent painting studio for the self-motivated student with emphasis on individual art problems and portfolio development. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, development, and portfolio preparation. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-28B - Studio Painting-Portfolio Presentation 3 units
UC, CSU*Prerequisite: ART-28A*

Independent painting studio for the self-motivated student with emphasis on individual art problems, portfolio development and presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, refinement, and portfolio presentation. Students pay for their own materials. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-35A - Illustration – Beginning 3 units
UC, CSU*Prerequisite: ART-17*

Advisory: ART-23 or ART-26

Course work that reflects the types of entrance level assignments an illustrator may encounter in the industry, using a variety of traditional media and techniques. Emphasis is placed on the evolutionary development of visual ideas. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-35B - Illustration – Intermediate 3 units
UC, CSU*Prerequisite: ART-35A*

Advisory: ART-23 or ART-26.

Course work that reflects the types of intermediate assignments an illustrator may encounter in the industry. Students will combine traditional and non-traditional techniques to create projects that reflect an intermediate level of finish and format. Projects will focus on conceptual content and process, and represent a range of possible industry application, such as entertainment design, editorial illustration and illustrations for an interactive environment. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-36A - Computer Art-Introduction 3 units
UC, CSU*Prerequisite: None*

Introduction to creating fine art and design using digital media. The exploration of the visual characteristics of electronic imagery with emphasis on the essentials of fine art, design, and creative problem solving. Artwork will be developed using the computer, related software, and/or other electronic equipment. Students pay for their own materials. ART-36A and 36B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours of lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-36B - Computer Art-Intermediate 3 units
UC, CSU*Prerequisite: ART-36A*

Intermediate level of creating fine art and design using digital media. The continuation of the exploration of electronic imagery with emphasis on the essentials of fine art, design, and creative problem solving. Artwork will be developed using the computer, related software, and/or other electronic equipment. Students pay for their own materials. ART-36A and 36B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours of lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-40A - Figure Drawing-Introduction 3 units
UC, CSU (C-ID ARTS 200)*Prerequisite: ART-17*

Introduction to drawing the human figure. Students will draw from a nude model using a variety of media. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-40B - Figure Drawing-Intermediate 3 units
UC, CSU*Prerequisite: ART-40A*

Intermediate level of drawing the human figure where emphasis will be on more developed and accurate figurative work, anatomy, improved composition, and further creative exploration. Students will draw from a nude model using a variety of media. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory (Letter Grade, or Pass/No Pass option.)

ART-42A - Studio Figure Drawing-Portfolio Preparation 3 units
UC, CSU*Prerequisite: ART-40B*

Continued figure drawing studio work for the self-motivated student, with emphasis on individual problems. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent development and portfolio preparation. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-42B - Studio Figure Drawing-Portfolio Presentation 3 units
UC, CSU*Prerequisite: ART-42A*

Continued independent figure drawing studio for the self-motivated student with emphasis on refinement of individualized problems and portfolio presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-40A, 40B, 42A, and 42B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-45 - Studio Watercolor Painting 3 units
UC, CSU*Prerequisite: ART-25A*

Continued watercolor studio work with emphasis on individual problems for the self-motivated student. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-25A, 25B, and 45 are courses related in content and are limited in enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-48A - Studio Drawing-Portfolio Preparation 3 units
UC, CSU*Prerequisite: ART-18*

Continued studio drawing for the self-motivated student with emphasis on planning, independence, individualized problems, and portfolio organization and preparation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-48B - Studio Drawing-Portfolio Presentation 3 units
UC, CSU*Prerequisite: ART-48A*

Continued studio drawing for the self-motivated student with emphasis on refinement of individualized problems and portfolio presentation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. ART-28A, 28B, 48A, and 48B are courses related in content and are limited to four enrollments according to Title 5, section 55040. For further information see section VIII regarding course repeatability and repetition. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

ART-200 - Art Work Experience 1-2-3-4 units
CSU**Prerequisite: None*

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

ASTRONOMY**AST-1A - Introduction to the Solar System** 3 units
UC, CSU*Prerequisite: None*

Advisory: REA-82 or qualifying placement level and MAT-35. A journey through the fundamental principles of astronomy specifically focused on the observed motions of the night sky, historical developments of astronomical theory, and the scientific principles explaining the physical characteristics and formation of the solar system. Part one of two courses which complete the fundamental knowledgebase for astronomy. 54 hours lecture.

AST-1B - Introduction to the Stars and Galaxies 3 units
UC, CSU*Prerequisite: AST-1A*

A journey through the fundamental principles used to describe the sun, stars, galaxies and the universe as a whole. Description of observational measurements, determination of the physical properties and the theoretical predictions of stellar evolution, properties of; black holes, neutron stars, supernovae, quasars. Classification of, and determination of physical properties of galaxies and cosmology are covered as well. Part two of two courses that complete the fundamental knowledge base for astronomy. 54 hours lecture.

BIOLOGY**BIO-1 - General Biology** 4 units
UC*, CSU*Prerequisite: None*

This course is an introductory course designed for non-science majors, which offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO- 1H. 54 hours lecture and 54 hours laboratory.

BIO-1H - Honors General Biology 4 units
UC, CSU*Prerequisite: None*

Limitation on enrollment: Enrollment in the Honors Program. The course is designed for the non-science major. Students will explore the basic principles of biology, with particular emphasis on the molecular and cellular basis of life as well as genetics, development, evolution and ecology. Discussions on the philosophy, unifying concepts and applications/implications of biology will be included. The Honors course offers an enriched experience for accelerated students through smaller class size; a focus on the evidentiary basis of biological models; and the application of higher level critical thinking skills. Moreover, a thematic/concept-based approach to the course material will be used rather than the traditional topic-based, survey format. The laboratory component will involve completion of directed research projects that culminate in the submission and presentation of research papers, oral presentations and/or poster presentations in the appropriate scientific format. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory.

BIO-11 - Introduction to Molecular and Cellular Biology 5 units
UC*, CSU (C-ID BIOL 190)*Prerequisite: CHE-1A or 1AH*

Advisory: MAT-35, and ENG-50 or 80 or qualifying placement level. An intensive course for all Life Science majors designed to prepare the student for upper division courses in molecular biology, cell biology, developmental biology, evolution, and genetics. Course material includes principles of biochemistry, biological molecules, prokaryotic and eukaryotic cell structure and function, cell metabolism including photosynthesis and respiration, homeostasis, cell reproduction and its control, classical and molecular genetics, cellular communication, development, evolution and diversity of life at the cellular level. This course addresses the philosophy of science, methods of scientific inquiry and experimental design. 72 hours lecture and 54 hours laboratory.

BIO-11H - Honors Introduction to Molecular and Cellular Biology 5 units
UC, CSU (C-ID BIOL 190)*Prerequisite: CHE-1A or 1AH*

Limitation on enrollment: Enrollment in the Honors Program. An intensive course for all Life Science majors designed to prepare the student for upper division courses in molecular biology, cell biology, developmental biology, evolution, and genetics. Course material includes principles of biochemistry, metabolism, cells, genetics, development, evolution and diversity of life at the cellular level. The honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on independent research; and application of higher level of critical thinking skills. The laboratory component will involve completion of directed research projects with submission and presentation of research proposal and/or paper, oral presentation and/or poster presentation in the appropriate scientific format. Students may not receive credit for both BIO-11 and BIO-11H. 72 hours lecture and 54 hours laboratory.

BIO-12 - Introduction to Organismal and Population Biology (Majors) 5 units
UC*, CSU (C-ID BIOL 140)*Prerequisite: BIO-11 or 11H*

An intensive course designed for all Life Science majors to prepare the student for upper division courses in organismal and population biology. Course materials include plant structure and function, animal systems and behavior, ecological diversity and dynamics, and evolutionary theory, including population genetics. This course, along with BIO-11, is intended to fulfill a year of transferable lower division general biology. Some field trips are required. 72 hours lecture and 54 hours laboratory

BIO-17 - Human Biology 4 units
UC, CSU*Prerequisite: None*

A non-major introductory course in biology which offers an integrated study of the basic principles of biology as revealed in the human body. Emphasis is placed on cellular and system organization in relation to specific function and common disorders affecting the body; the interaction between the human body and its environment. Controversial, thought-provoking topics related to modern biology and medical advances involving genetic engineering will be included. This course satisfies district graduation and transfer requirements for a science lecture and laboratory course. 54 hours lecture and 54 hours laboratory.

BIO-30 - Human Reproduction and Sexual Behavior 3 units
UC, CSU*Prerequisite: None*

Human anatomy, physiology and behavior as related to sexual reproduction, including discussion of fertilization, pregnancy, childbirth and birth control. Consideration also will be given to homosexuality, sexually transmitted diseases, sex education, and sexual intercourse and response. 54 hours lecture.

BIO-34 - Human Genetics 3 units
UC, CSU*Prerequisite: None*

Advisory: High school biology or any college life science course with laboratory. A general education course for the non-biology major and allied health students who are interested in the underlying mechanisms of human heredity. Emphasis will be given to the role of genetics and environment on cells, individuals, family and human populations. Discussion on human genetic disorders and the social implications of modern human genetics will be included. 54 hours lecture.

BIOTECHNOLOGY**BIT-1 - Introduction to Biotechnology** 1 unit
CSU*Prerequisite: None*

Lecture course to introduce students to career options and general work skills in biotechnology. General work skills include record keeping, business ethics and safety. 18 hours lecture.

BIT-20 - Introduction to Biotechnology 3 units
CSU*Prerequisite: None*

This course is designed as a preparation course for students interested in further studies in biotechnology, for entry-level positions. Course material includes an integrated study of the basic principles of biotechnology counting genes and genomes, recombinant DNA technology, and proteins. Students will explore various types of biotechnology and their products with an emphasis on application in medicine, health care and agriculture. Discussions on the biotechnology workforce, and biological challenges of the 21st century including ethical and social implications will be included. 54 hours lecture.

BIT-21 - Laboratory Techniques 3 units
CSU*Prerequisite: None*

This course is designed as a preparation course in the laboratory settings for students interested in further studies in biotechnology or for entry-level positions. Course material includes fundamentals of good laboratory practice and an associated vocabulary that underline work in biotechnology. Students will receive hands-on experience exploring basic laboratory operations such as preparing solutions and molarity calculations, safety procedures, and data entry skills. 27 hours of lecture and 81 hours laboratory.

BIT-22 - DNA Techniques 2 units
CSU*Prerequisite: BIT-20*

This course is a lab-centered course exploring DNA techniques for students interested in further studies in biotechnology, for entry-level positions or work advancement. Students will receive hands-on experience working with human and bacterial DNA by extracting, purifying, amplifying and analyzing genomic and plasmid DNA. Course techniques include agarose gel electrophoresis, restriction enzyme digestion, introduction to polymerase chain reaction and elements of bioinformatics pertaining to DNA. 18 hours lecture and 54 hours laboratory.

BIT-23 - Protein Techniques 2 units
CSU*Prerequisite: BIT-20*

This course is a lab-centered course exploring protein techniques for students interested in further studies in biotechnology, for entrylevel positions or work advancement. Students will receive hands-on experience in protein isolation, purification and analysis. Course techniques include spectrophotometric chromatography assays, ion-exchange colorimetric enzymatic assays, protein gel lectrophoresis, introduction to immunodetection assays, and elements of bioinformatics pertaining to proteins. 18 hours lecture and 54 hours laboratory.

BIT-24 - Principles of Culture Techniques 3 units
CSU*Prerequisite: BIT-20*

This course is a lab-centered course exploring culture techniques for students interested in further studies in biotechnology, for entrylevel positions or work advancement. Students will receive hands-on experience in cell and tissue cultures. Course techniques include sterile technique and media preparation for cell and tissue cultures, maintaining cell and tissue culture, and testing cell viability using chemical assays and bright field microscopy. 27 hours lecture and 81 hours laboratory.

BIT-25 - Research Presentation 2 units
CSU*Prerequisite: BIT-20*

This course is a lecture/presentation course introducing students to technical writing for scientific documents and delivering oral presentation for topics in biotechnology. Students will develop skills in library research (including Internet database searches) to collect and organize data for scientific document including proposals and papers. Government and industry regulations will be introduced for students to develop skills in presenting data in accordance to biotechnological regulation and legislation. 36 hours lecture.

BIT-200 - Biotechnology Work Experience 1-2-3-4 units
CSU**Prerequisite: None*

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational onthe- job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

BLACK STUDIES
SEE ETHNIC STUDIES

BUSINESS ADMINISTRATION**BUS-3 - Computer Applications for Business** 3 units
(Same as CAT/CIS-3)

CSU

Prerequisite: None.

This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

BUS-10 - Introduction to Business 3 units
UC, CSU (C-ID BUS 110)*Prerequisite: None*

Scope, function, and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture.

BUS-10H - Honors Introduction to Business 3 units*Prerequisite: None*

Limitation on Enrollment: Enrollment in the Honors Program.

Scope, function and organization of contemporary business; fundamentals, concepts, principles and current practices in the major areas of business activity with an integrated global perspective. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both BUS 10 and BUS 10H. 54 hours lecture.

BUS-18A - Business Law I 3 units
UC*, CSU (C-ID BUS 125)*Prerequisite: None*

The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

BUS-18B - Business Law II 3 units
UC*, CSU*Prerequisite: None*

Commercial paper, secured transactions, bankruptcy, agency and employment, business organizations, governmental regulations, international law, real and personal property and trusts and estates. 54 hours lecture.

BUS-20 - Business Mathematics 3 units
CSU*Prerequisite: None*

An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.

BUS-22 - Management Communications 3 units
CSU*Prerequisite: None. Advisory: CAT-30*

Examines the dynamics of organizational communication including a cross cultural emphasis. Practical experience is attained in verbal, nonverbal and interpersonal communication. Includes business report writing, letter writing and resume writing. 54 hours lecture.

BUS-24 - Business Communication 3 units
CSU (C-ID BUS 115)*Prerequisite: ENG-1A or 1AH*

Applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral reports. Course is designed for students who have college-level writing skills. 54 hours lecture.

BUS-30 - Entrepreneurship: Foundations and Fundamentals 3 units
CSU*Prerequisite: None*

An introductory course designed to explore, identify and evaluate business opportunities with an emphasis on starting and managing a small or existing business: investigating tools and best practices associated with identifying and creating new venture opportunities; explore ways to shape and evaluate the viability of opportunities; understanding key industry factors, market, competitive factors, and customer needs.

BUS-47 - Applied Business and Management Ethics 3 units
(Same as MAG-47)
CSU*Prerequisite: None*

An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-51 - Principles of Electronic-Commerce 3 units
CSU*Prerequisite: None*

Advisory: BUS-10, and CIS-1A.

An introduction to electronic commerce focusing on business, technological and social issues in today's global market. Provides the theory and practice of conducting business over the Internet and the World Wide Web. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-53 - Introduction to Personal Finance 3 units
CSU*Prerequisite: None*

An introduction to personal finance focusing on mastering the key concepts involved in attaining personal wealth. Personal finance focuses on the concepts, decision-making tools, and applications of financial planning. A financial plan will be utilized to guide decisions today and in years to come. Additional emphasis will be placed on interpreting financial information obtained online, the theory and practice regarding income tax law, health insurance provisions, retirement programs, and personal investing. 54 hours lecture. (Letter Grade or Pass/No Pass option)

BUS-80 - Principles of Logistics 3 units
CSU*Prerequisite: None*

An introduction to the management of business logistics functions including purchasing, inventory management, transportation, warehousing and their related technologies. Focus is on integration of logistics functions to improve overall supply chain customer service and cost performance. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

BUS-200 - Business Administration 1-2-3-4 units
Work Experience
CSU**Prerequisite: None*

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

CHEMISTRY**CHE-1A - General Chemistry, I** 5 units
UC, CSU (C-ID CHEM 120S=CHE-1A + CHE-1B)
(C-ID CHEM 110)*Prerequisite: CHE-2A or 3 and MAT-35*

The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE- 1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-1AH - Honors General Chemistry, I 5 units
UC, CSU (C-ID CHEM 120S=CHE-1AH + CHE-1BH)*Prerequisite: CHE-2A or 3, and MAT-35*

Limitation on enrollment: Enrollment in the Honors Program. The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. The honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. A thematic approach developing a chemical concept in detail will be used rather than a topic based approach. Laboratory will involve completion of directed research projects with submission of standard operating procedures (SOPs) or papers in appropriate scientific format. Students may not receive credit for both CHE-1A and CHE-1AH.

54 hours lecture and 108 hours laboratory.
(Letter Grade, or Pass/No Pass option.)

CHE-1B - General Chemistry, II 5 units
UC, CSU (C-ID CHEM 120S=CHE-1A + CHE-1B)*Prerequisite: CHE-1A or 1AH*

Continued exploration of the principles of chemistry with emphasis on kinetics, thermodynamics, acid-base theory, equilibrium and electrochemistry. Special topics from descriptive inorganic chemistry, nuclear chemistry and introductory organic chemistry. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1B and CHE-1BH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-1BH - Honors General Chemistry, II 5 units
UC, CSU (C-ID CHEM 120S=CHE-1AH + CHE-1BH)*Prerequisite: CHE-1A or 1AH*

Limitation on enrollment: Enrollment in the Honors Program. Continued exploration of the principles of chemistry with emphasis on kinetics, thermodynamics, acid-base theory, equilibrium and electrochemistry. Special topics from descriptive inorganic chemistry, nuclear chemistry and introductory organic chemistry. Laboratory techniques in the investigation of chemical systems. The honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. A thematic approach developing a chemical concept in detail will be used rather than a topic based approach. Laboratory will involve completion of directed research projects with submission of standard operating procedures (SOPs) or papers in appropriate scientific format. Students may not receive credit for both CHE-1B and CHE-1BH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-2A - Introductory Chemistry, I 4 units
UC*, CSU*Prerequisite: MAT-52*

Introduction to the nature of chemicals, their properties, chemical bonding, reactions and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHE-2B - Introductory Chemistry, II 4 units
UC, CSU*Prerequisite: CHE-2A*

Introduction to organic and biochemistry including: (1) structure, nomenclature and reactions of some organic compounds and drugs, (2) structure and metabolism of carbohydrates, lipids, proteins, and nucleic acids and (3) enzyme activity and inhibition. Meets the chemistry requirement for nursing, physical education, paramedics, nutrition, dental hygiene, physical therapy assistants, and inhalation therapy majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

CHICANO STUDIES
see Ethnic Studies

COMMUNICATION STUDIES**COM-1 - Public Speaking 3 units**
UC, CSU (C-ID COMM 110)

Prerequisite: None

Advisory: COM-51 and/or qualification for ENG-1A.

Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-1H - Honors Public Speaking 3 units
UC, CSU (C-ID COMM 110)

Prerequisite: None

Advisory: COM-51 and or qualification for ENG-1A.

Limitation on enrollment: Enrollment in the Honors Program.

Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include the enhanced exploration of: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both COM-1 and COM-1H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-2 - Persuasion in Rhetorical Perspective 3 units
UC, CSU (C-ID COMM 190)

Prerequisite: None

Advisory: COM-51 and/or qualification for ENG-1A

Develops persuasion from a rhetorical perspective with emphasis on the Ciceronian Canons of Rhetoric and the Aristotelian forms of proof: ethos, pathos, and logos. Includes practical application of these rhetorical theories in understanding and analyzing classical, post renaissance, and contemporary public address. Also incorporates presentation on persuasive issues, rhetorical analyses, and role play. Students will deliver a minimum of three oral presentations. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

COM-3 - Argumentation and Debate 3 units
UC, CSU (C-ID COMM 120)

Prerequisite: None

Advisory: COM-51 and/or qualification for ENG-1A.

Covers theoretical underpinnings of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case

construction, rebuttals, crossexamination, utilization of sound reasoning, and the importance of ethical behavior in debate. Focus is on effective delivery of verbal and nonverbal communication as well as effective listening. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-6 - Dynamics of Small Group Communication 3 units
UC, CSU (C-ID COMM 140)

Prerequisite: None

Advisory: COM-51 and/or qualification for ENG-1A.

Provides an introduction to the dynamics of communication in purposeful small groups (i.e., problem-solving). Theoretical knowledge of small group communication becomes the basis for the practical application of group development, problem-solving, decision-making, discussion, interaction and presentation. Develops student competence and confidence as a group member and leader. Oral group presentations required. Students will speak formally as part of a group for a minimum of 20 semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-7 - Oral Interpretation of Literature 3 units
UC, CSU (C-ID COMM 170)

Prerequisite: None

Advisory: COM-51 and/or qualification for ENG-1A.

Preparation and presentation of interpreting literature (prose, poetry and drama). Principles and techniques of interpreting the printed page are related to preparing and presenting an oral interpretation of literature for an audience. Provides opportunities for cultural enrichment, literary analysis, creative outlet, articulate expression and improved speaking ability. Oral presentations required. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-9 - Interpersonal Communication 3 units
UC, CSU (C-ID COMM 130)

Prerequisite: None

Advisory: COM-51 and/or qualification for ENG-1A.

Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, selfconcept, self-disclosure, management of emotions, relationship theories and conflict resolution. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-9H - Honors Interpersonal Communication 3 units
UC, CSU (C-ID COMM 130)

Prerequisite: None

Advisory: COM-51 and/or qualification for ENG-1A.

Limitation on enrollment: Enrollment in the Honors Program. Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, selfdisclosure, management of emotions, relationship theories and conflict resolution. This honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and greater application of higher level critical thinking skills. Students may not receive credit for both COM-9 and COM-9H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-12 - Intercultural Communication **3 units**
UC, CSU (C-ID COMM 150)*Prerequisite: None*

Advisory: COM-51 and/or qualification for ENG-1A.
This course provides an introduction to the factors affecting intercultural communication. This course focuses on the communication behaviors and values common to all cultures and ethnic groups, as well as the differences that may insulate and divide people. Students will examine influences on the communication process, including aspects such as stereotyping, gender roles, values, beliefs, verbal and nonverbal communication patterns, conflict styles and much more. Students will learn to overcome the communication problems that may result when members of other cultures and/or ethnic groups communicate by evaluating their own intercultural communication patterns and learning skills to increase their effectiveness. 54 hours lecture. (Letter Grade or Pass/ No Pass option)

COM-13 - Gender and Communication **3 units**
UC, CSU*Prerequisite: None*

Advisory: COM-51 and/or qualification for ENG-1A.
A study of theories that address communication styles including similarities and differences between masculine and feminine gender types. Integrates theories to heighten students' awareness of the importance of gender as a communication variable. Theoretical approaches to the development of gender are discussed. Gender communication issues are addressed with an emphasis on listening, perception, verbal, nonverbal communication, and conflict management in interpersonal, small group and various other contexts. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

COM-51 - Enhancing Communication Skills **1 unit***Prerequisite: None*

Pre-collegiate introduction to fundamentals of communication skills in various contexts. Designed to provide students with the necessary communication skills for college success, and outlines the basics of rhetorical principles which will assist in the development and organization of ideas within various communication contexts including public speaking and interpersonal communication. Focuses on choosing a topic for speeches/papers, research and outlining methods, as well as techniques for presentation with a particular focus on managing speech anxiety. 18 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

COMMUNITY INTERPRETATION**CMI-61 - Introduction to Spanish English Translation** **3 units***Prerequisite: None*

Advisory: Course is intended for students with near native reading writing skills in Spanish and English.
This course is an introduction to Spanish/English translation with an emphasis on developing writing style appropriate to text type. Text types covered will include correspondence, news media texts, and informational texts of a general nature. Students will focus on comprehension of source language texts and accurate expression of content in translations. Theoretical readings will be used to familiarize students with strategies, techniques and approaches to solving translation challenges. The course

will cover the appropriate use of research materials as aids to translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CMI-71 - Bilingual Interpretation for the Medical Professions **6 units***Prerequisites: None*

Limitation on enrollment: This course is intended for students with near native fluency in Spanish and English.
This course is an introduction to the field of Spanish-English medical interpreting. The three modes of interpreting are practiced: simultaneous interpreting, consecutive interpreting and sight translation. Students will learn medical terminology in Spanish and English as they improve their interpreting skills. They also work with common word roots, suffixes and prefixes. Course includes a field observation component. 90 hours lecture and 54 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CMI-81 - Introduction to Court Interpreting **6 units***Prerequisite: None*

Limitation on enrollment: This course is intended for students with near native fluency in Spanish and English.
This course is an introduction to oral interpretation theory and practice in the legal professions, with emphasis on criminal law, civil law, mental health hearings, and cultural diversity in procedures. This course concentrates on developing general skills in sight translation, consecutive interpretation and simultaneous interpretation, and includes a field-observation component. 90 hours lecture and 54 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CMI-82 - Intermediate Legal Interpreting **4 units***Prerequisite: CMI-81*

This course builds upon skills practiced in CMI-81. Students review sight translation and consecutive interpretation. Considerable emphasis will be placed on simultaneous interpretation. Terminology covered will include Spanish-English legal terminology as well as the lexicon of fingerprinting, firearms, controlled substances and other subject areas dealt within court interpreting. Emphasis will be placed upon public speaking, discourse analysis and dual task exercises. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

CMI-91 - Introduction to Translation and Interpretation for Business **3 units***Prerequisite: None*

Limitation on enrollment: This course is intended for students with near native fluency in Spanish and English.
This course is an introduction to Spanish/English translation and interpretation as practiced in business settings. Students will focus on developing skills in interpreting and written translation while acquiring business terminology in Spanish and English. Emphasis will be placed on written translation and consecutive interpretation. Acquisition of bilingual business terminology will be reinforced through readings, oral practice and written work. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CMI-200 - Community Interpretation **1-2-3-4 units**
Work Experience
CSU*

Prerequisite: None

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on- the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

**COMPUTER APPLICATIONS
 AND OFFICE TECHNOLOGY**

CAT-1A - Business Etiquette **3 units**

Prerequisite: None

This course provides students with both the knowledge and skills required to quickly apply business standards of acceptable behavior and etiquette to project a professional image. It addresses additional topics, such as financial planning, appropriate use of workplace technologies, and written business communications, that students need to know when transitioning from campus to the workplace. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-3 - Computer Applications for Business **3 units**
(Same as BUS/CIS-3)

CSU

Prerequisite: None

This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-30 - Business English **3 units**

Prerequisite: None

Advisory: Keyboarding skills or CAT-53 and familiarity with Microsoft Word or CAT/CIS-34A. Examines the mechanics of business communications. Includes a study of grammar fundamentals, sentence structure, punctuation, vocabulary, and spelling. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-31 - Business Communications **3 units**
CSU

Prerequisite: None

Advisory: CAT-30.

This course is designed to teach the fundamentals of written

and oral communication in business by providing specific practical applications. Emphasis will be on written and oral communications, stressing the most common forms of correspondence. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-50 - Keyboarding and Document Processing **3 units**
CSU

Prerequisite: None

Develops motor coordination, memory, thinking and problem solving skills. Includes mastery of the keyboard on computers and introduction to personal and business typing using word processing software. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-51 - Intermediate Typewriting **3 units**
Document Formatting

CSU

Prerequisite: None

Advisory: Beginning typing skills and familiarity with basic business document formats; CAT-50. Develops professional typing skills. Includes business letters, manuscripts, reports, and tables. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-53 - Keyboarding/Typing Fundamentals **1 unit**

Prerequisite: None

Develops basic alpha/numeric keyboarding/touch typewriting skills on an electronic keyboard. Designed primarily for individuals needing basic keyboarding skill to input and retrieve information from a microcomputer. Develops a straight-copy rate of 25 gross words a minute. 18 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-54A - Introduction to Flash **3 units**
(Same as CIS-54A)

CSU

Prerequisite: None

Advisory: Competency in the use of a computer and familiarity with the Internet; CAT/CIS-95A. This course provides students with the essential knowledge and skills required to use Flash. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory. (TBA option)

CAT-55 - Applied Accounting/Bookkeeping **3 units**
(Same as ACC-55)

Prerequisite: None

This is an introductory course for students who are non-accounting majors. The focus is basic bookkeeping and accounting principles for both merchandising and service oriented small business enterprises. Emphasis is on the development of skills to record business transactions for cash and accrual methods, as well as the procedures to prepare financial statements and complete an accounting cycle. Attention is given to special journals, subsidiary ledgers, and payroll and banking procedures. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-61 - Professional Office Procedures 3 units*Prerequisite: None*

Advisory: CAT/CIS/BUS-3, OR CAT-31 and 51.

Mastering procedures for the office professional through the development of: business communications, team building, business ethics, word processing, database management, spreadsheets, presentation techniques and general office skills. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CAT-62 - Records Management 3 units*Prerequisite: None*

Advisory: Knowledge of database management.

Examines the basic procedures covering alphabetical, numerical, geographical, subject, and chronological filing. Introduces records and database management and the management, control, and retention thereof, both manually and electronically. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-65 - Introduction to Microsoft PowerPoint (Same as CIS-65) 1.5 units

CSU

Prerequisite: None

Introduction to Microsoft PowerPoint presentation graphics program. Creation of overhead transparencies, electronic presentations or formal presentations media. 27 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-78A - Introduction to Adobe Photoshop (Same as CIS-78A) 3 units

CSU

Prerequisite: None

Introduction to Adobe Photoshop including mastery of digital image editing, techniques for selecting, photo correction, manipulating images and vector drawing. This course also provides instruction in retouching images, special effects, working with image color and web page illustrations. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-78B - Advanced Adobe Photoshop (Same as CIS-78B) 3 units

CSU

Prerequisite: CAT/CIS-78A

Advanced techniques and methods for using Adobe Photoshop to produce custom graphic solutions. Focus on real-world projects, workflow foundations, adjusting, and optimizing images, and tips and tricks for enhanced image creation. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-79 - Introduction to Adobe Illustrator (Same as CIS-79) 3 units

CSU

Prerequisite: None

Fundamentals of Adobe Illustrator, including creating objects, drawing paths and designing with type, creating freehand drawing and illustration, importing and working with graphics. Develop a working knowledge of the processes that generate graphic

images: layering, shadowing, and color use. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-80 - Word Processing: Microsoft Word for Windows 3 units**(Same as CIS-80) CSU***Prerequisite: None*

Advisory: Typing knowledge/skills with at least 40 wpm.

This course provides introductory, intermediate and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word, a word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory. (TBA option)

CAT-81 - Introduction to Desktop Publishing using Adobe InDesign (Same as CIS-81) CSU 3 units**(Same as CIS-81) CSU***Prerequisite: None*

Page design and layout techniques using Adobe InDesign.

Mastery of beginning and intermediate techniques of document creation, including design skills. Successful incorporation of drawing and bit mapped files to create professional printed media. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-93 - Computers for Beginners (Same as CIS-93) 3 units

CSU

Prerequisite: None

This course is designed as a practical step-by-step introduction to computer literacy topics including computer hardware and software, application skills, the Internet and Internet searching, Web page creation and computer ethics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-98A – Introduction to Excel 1.5 units*Prerequisite: None*

Skill development in electronic spreadsheets using Excel for business and scientific related applications. 27 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CAT-200 - Computer Applications and Office Technology Work Experience 1-2-3-4 units

CSU*

Prerequisite: None

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience

(maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

COMPUTER INFORMATION SYSTEMS

CIS-1A - Introduction to Computer Information Systems **3 units**

UC, CSU (C-ID ITIS 120)

Prerequisite: None

Examination of information systems and their role in business. Focus on information systems, database management systems, networking, ecommerce, ethics and security, computer systems hardware and software components. Application of these concepts and methods through hands-on projects developing computer-based solutions to business problems. Utilizing a systems approach students will use databases, spreadsheets, word processors, presentation graphics, and the internet to solve business problems and communicate solutions. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-1B - Advanced Concepts in Computer Information Systems **3 units**

CSU

Prerequisite: CIS- 1A

Advanced computer applications. Advanced concepts and skills of word processing, spreadsheets, presentation graphics, the Internet and databases with an emphasis on multitasking, integrating applications, linking and embedding are covered. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-2 - Fundamentals of Systems Analysis **3 units** (Same as CSC-2) CSU

Prerequisite: None

The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-3 - Computer Applications for Business **3 units** (Same as BUS/CAT-3) CSU

CSU

Prerequisite: None

This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-4 - Practical Computer Security **1 unit** CSU

Prerequisite: None

Introductory course in computer security. Provides awareness for computer users to protect user accounts and computer systems from attacks. Projects illustrate the security software and hardware configuration. 54 hours laboratory.

CIS-5 - Programming Concepts and Methodology I: C++ **4 units** (Same as CSC-5)

UC, CSU (C-ID COMP 122)

Prerequisite: None

Advisory: CIS-1A

Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.

CIS-7 - Discrete Structures **3 units** (Same as CSC-7)

UC, CSU (C-ID COMP 152)

Prerequisite: CIS/CSC-5

This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: Functions, Relations and Set; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-11 - Computer Architecture and Organization: Assembly **3 units** (Same as CSC-11)

UC, CSU (C-ID COMP 142)

Prerequisite: None. Advisory: CIS/CSC-5

An introduction to microprocessor architecture and assembly language programming. The relationship between the hardware and the software will be examined in order to understand the interaction between a program and the total system. Mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied as well as the internal representation of simple data types and structures. Numerical computation is performed, noting the various data representation errors and potential procedural errors. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-12 - PHP Dynamic Web Site Programming **3 units** (Same as CSC-12)

CSU

Prerequisite: None

Advisory: CIS/CSC-5 and CIS/CSC-14A or CIS-72A

Dynamic web site programming using PHP. Fundamentals of server-side web programming. Introduction to database-driven web sites, using PHP to access a database such as MySQL. Web applications such as user registration, content management, and ecommerce. This course is for students already familiar with the fundamentals of programming and HTML. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-14A - Web Programming: JavaScript **3 units**
(Same as CSC-14A)

CSU

*Prerequisite: None**Advisory: Previous programming experience and knowledge of HTML, CIS/CSC-5 and CIS-72A.*

Fundamentals of JavaScript programming for the world wide web for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, JavaScript objects, browser objects and events. Web applications will include image rollovers, user interactivity, manipulating browser windows, form validation and processing, cookies, creating dynamic content and Dynamic HTML programming. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-14B - Web Programming: Active Server Pages **3 units**
CSU*Prerequisite: None**Advisory: CIS/CSC-5 and CIS-72A*

Fundamentals of server-side web programming using Active Server Pages (ASP) for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, collections, objects and events. Focus on server-side programming to generate dynamic web content and database access. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

CIS-17A - Programming Concepts and Methodology II: C++ **3 units**
(Same as CSC-17A)

UC, CSU (C-ID COMP 132)

Prerequisite: CIS/CSC-5

The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of object-oriented program development. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-17B - C++ Programming: Advanced Objects **3 units**
(Same as CSC-17B)

UC, CSU

Prerequisite: None. Advisory: CIS/CSC-17A

This is an advanced C++ programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with complex Business and Gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-17C - C++ Programming: Data Structures **3 units**
(Same as CSC-17C)

UC, CSU

Prerequisite: None. Advisory: CIS/CSC-17A

This course offers a thorough presentation of the essential principles and practices of data structures using the C++ programming language. The course emphasizes abstract data types, software engineering principles, lists, stacks, queues, trees,

graphs and the comparative analysis of algorithms. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-18A - Java Programming: Objects **3 units**
(Same as CSC-18A)

UC, CSU

Prerequisite: None. Advisory: CIS/CSC-5

An introduction to Java programming for students already experienced in the fundamentals of programming. An emphasis will be placed upon object-oriented programming. Other topics include graphical interface design and typical swing GUI components. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-18B - Java Programming: Advanced Objects **3 units**
(Same as CSC-18B)

UC, CSU

Prerequisite: None. Advisory: CIS/CSC-18A

This is an advanced JAVA programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with business, e-commerce and gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-18C - Java Programming: Data Structures **3 units**
(Same as CSC-18C)

UC, CSU

*Prerequisite: None**Advisory: CIS/CSC-18A*

This course is designed to be an advanced Java programming course for students familiar with object-oriented programming and database concepts. The major emphasis will be related to concepts of storing and retrieving data efficiently, which are the essential principles and practices of data structures. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-20 - Systems Analysis and Design **3 units**
(Same as CSC-20)

CSU

*Prerequisite: CIS/CSC-2**Advisory: Students should have a working knowledge of MS Access*

Structured design techniques for the development and implementation of computerized business applications. Course includes project planning, analysis of current system, design of a new system, implementation, consideration of data base design and development, file organization, and modular programming techniques. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-21 - Introduction to Operating Systems **3 units**
(Same as CSC-21)

CSU

Prerequisite: CIS-1A

An introduction to operating concepts, structure, functions,

performance and management is covered. A current operating system, such as Windows, Linux, or UNIX is used as a case study. File multi-processing, system security, device management, network operating systems, and utilities are introduced. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-35 - Introduction to Simulation and Game Development **3 units**

CSU

Prerequisite: None

An introduction to the field of simulation and computer gaming. Course provides an introductory look at the fundamentals of simulation and computer games used in various industries—entertainment, military, finance, medical, education, and law enforcement. Topics include licensing and franchising, marketing, business development, game design, storytelling, and development life cycle. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-36 - Introduction to Computer Game Design **3 units**

CSU

Prerequisite: None

An introduction to the fundamental techniques, concepts, and vocabulary of computer game design. Students will explore analog game design principles and apply modern game design and development methodologies and principles to create their own electronic games. Topics include game genres, design documents, and game design principles such as level design, gameplay, balancing and user interface design. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-37 - Beginning Level Design for Computer Games (Same as GAM-37) **3 units**

CSU

Prerequisite: None

An introduction to the fundamental techniques, concepts, and vocabulary of computer game level design. Students will create environments, place objects in those environments, and control those objects via a scripting language. Topics include frame rate, game flow and pacing. Students will create 3D computer games using a game engine such as Unreal. No previous computer programming experience is required. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-38A - Simulation and Gaming/3D Modeling for Real-Time Interactive Simulations (Same as GAM-38A) **4 units**

CSU

Prerequisite: None

Create computationally efficient 3D digital models of both living and inanimate objects and then implement them in a real-time interactive simulation or video game. Topics include model construction using tri meshes and splines, applying basic surface detailing, understanding how model design effects computing performance, importing vertex and edge vectors into a game engine, and applying basic user and game world interactivity to one or more rigid bodies. 54 hours lecture and 54 hours laboratory.

CIS-38B - Simulation and Gaming/3D Animation for Real-Time Interactive Simulations (Same as GAM-38B) **4 units**

CSU

Prerequisite: CIS/GAM-38A

Animate both living and inanimate objects created with a 3D modeling program and then implement them in a real-time interactive simulation or video game. Topics include linear and non-linear attribute interpolation, path, forward and reverse kinematics animation. Additional topics include understanding how animation parameters affect computing performance, importing vertex and edge vectors into a game engine, and applying basic user and game world interactivity to a rigid body. 54 hours lecture and 54 hours laboratory.

CIS-38C - Simulation and Gaming/3D Dynamics and Rendering for Real-Time Interactive Simulations **4 units**

CSU

Prerequisite: CIS/GAM-38B

Create dramatic cinematic sequences based on 3D animations of both living and inanimate objects. Topics include combining animated models with simulations of real world dynamics such as wind, water, fire, smoke, and gravity. Short animated sequences will be modeled, animated, and then rendered into frames. Hardware and software rendered frames will then be composited and added to a game engine. 54 hours lecture and 54 hours laboratory.

CIS-39 - Current Techniques in Game Art (Same as GAM-39) **4 units**

CSU

Prerequisite: None

Advisory: Ability to manipulate graphics including layers and textures with Photoshop or concurrent enrollment in CAT/CIS-78A or ADM-71A.

Introduction to the fundamental techniques, concepts, and vocabulary of advanced sculpting for Game Art, Animation, Concept Art, and Digital Illustration. Students will modify 3D models, and create textured compositions as applied to video games, animation and concept art. 54 hours lecture and 54 hours laboratory.

CIS-54A - Introduction to Flash (Same as CAT-54A) **3 units**

CSU

Prerequisite: None

Advisory: Competency in the use of a computer and familiarity with the Internet; CIS/CAT-95A.

This course provides students with the essential knowledge and skills required to use Flash. This includes instruction on the authoring tools, drawing tools, working with symbols, creating interactive buttons and streaming sound. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-56A - Designing Web Graphics **3 units**

CSU

Prerequisite: None

Advisory: Competency in the use of a computer and familiarity with the internet recommended, such as CIS/CAT-95A.

This course provides students with the knowledge and skills required to create, modify and prepare visual elements for placement within web pages. Focus on the understanding of file compression, color palettes, visual design and layout principles. The course uses Adobe Photoshop. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-61 - Introduction to Database Theory 3 units
(Same as CSC-61)

CSU

Prerequisite: None

This course provides students with an introduction to the core concepts in data and information management. It is centered around the core skills of identifying organizational information requirements, modeling them using conceptual data modeling techniques, converting the conceptual data models into relational data models and verifying its structural characteristics with normalization techniques, and implementing and utilizing a relational database using an industrial-strength database management system. The course will also include coverage of basic database administration tasks and key concepts of data quality and data security. In addition to developing database applications, the course helps the students understand how large-scale packaged systems are highly dependent on the use of Database Management Systems (DBMSs). Building on the transactional database understanding, the course provides an introduction to data and information management technologies that provide decision support capabilities under the broad business intelligence umbrella. 54 hours of lecture and 18 hours laboratory. (TBA option).

CIS-65 - Introduction to Microsoft PowerPoint 1.5 units
(Same as CAT-65)

CSU

Prerequisite: None

Introduction to Microsoft PowerPoint presentation graphic program. Creation of overhead transparencies, electronic presentations or formal presentations media. 27 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-72A - Introduction to Web Page Creation 1.5 units
CSU

Prerequisite: None

Advisory: Competency in the use of a computer, familiarity with the Internet; CIS/CAT-95A. An introduction to webpage creation using Extensible Hypertext Markup Language (XHTML). Use XHTML to design and create webpages with formatted text, hyperlinks, lists, images, tables, frames and forms. 27 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.) (TBA option)

CIS-72B - Intermediate Web Page Creation 1.5 units
using Cascading Style Sheets (CSS)

CSU

Prerequisite: None

Advisory: Knowledge of HTML and the Internet; CIS-72A and CIS/ CAT-95A.

Intermediate webpage creation using cascading style sheets (CSS) to format and lay out webpage content. CSS works with HTML, so HTML knowledge is recommended. Inline styles, embedded

styles, and external style sheets are covered. CSS is used to format text, links, set fonts, colors, margins and position text and graphics on a page. CSS is also a component of Dynamic HTML. 27 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-76A - Introduction to Microsoft Expression Web 3 units
CSU

Prerequisite: None

Advisory: CIS/CAT-95A and competency in the use of the Internet and in managing files and folders.

Provides students with the knowledge and skills required to quickly design and implement webpages, and to administer and update existing websites using Microsoft Expression Web. The course uses Microsoft Expression Web to streamline and automate website management on a website. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS -76B - Introduction to Dreamweaver 3 units
CSU

Prerequisite: None

Advisory: CIS/CAT-95A

Provides students with the knowledge and skills required to quickly design and implement webpages and to administer and update existing websites using Dreamweaver. The course uses Dreamweaver to streamline and automate website management on a website. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-78A - Introduction to Adobe Photoshop 3 units
(Same as CAT-78A)

CSU

Prerequisite: None

Introduction to Adobe Photoshop including mastery of digital image editing, techniques for selecting, photo correction, manipulating images and vector drawing. This course also provides instruction in retouching images, special effects, working with image color and web page illustrations. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-78B - Advanced Adobe Photoshop 3 units
(Same as CAT-78B) CSU

Prerequisite: CIS/CAT-78A

Advanced techniques and methods for using Adobe Photoshop to produce custom graphic solutions. Focus on real-world projects, workflow foundations, adjusting, and optimizing images, and tips and tricks for enhanced image creation. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-79 - Introduction to Adobe Illustrator 3 units
(Same as CAT-79)

CSU

Prerequisite: None

Fundamentals of Adobe Illustrator, including creating objects, drawing paths and designing with type, creating freehand drawing and illustration, importing and working with graphics. Knowledge of the process that generates graphic images: layering, shadowing and color use. 54 hour and 18 hour of laboratory. (TBA location) (Letter Grade, or Pass/No Pass option)

CIS-80 - Word Processing: Microsoft Word for Windows (Same as CAT-80) CSU **3 units***Prerequisite: None**Advisory: Typing knowledge/skills with at least 40 wpm.*

This course is designed to provide introductory, intermediate and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word, a word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory. (TBA option)

CIS-81 - Introduction to Desktop Publishing using Adobe InDesign (Same as CAT-81) CSU **3 units***Prerequisite: None*

Page design and layout techniques using Adobe InDesign. Mastery of beginning and intermediate techniques of document creation, including design skills. Successful incorporation of drawing and bit mapped files to create professional printed media. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-93 - Computers for Beginners (Same as CAT-93) CSU **3 units***Prerequisite: None*

This course is designed as a practical step-by-step introduction to computer literacy topics including computer hardware and software, application skills, the Internet and Internet searching, Web page creation and computer ethics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-95A - Introduction to the Internet CSU **1.5 units***Prerequisite: None*

Skill development in the concepts of the Internet on microcomputerbased systems. This course is designed as a practical step-by-step introduction to working with the Internet using personal computers. 27 hours lecture.

CIS-98A - Introduction to Excel (Same as CAT-98A) CSU **1.5 units***Prerequisite: None*

Skill development in electronic spreadsheets using Excel for business and scientific related applications. 27 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

CIS-200 - Computer Information Systems WorkExperience CSU* **1-2-3-4 units***Prerequisite: None*

Limitation on enrollment: Students must be enrolled in a minimum of seven units including the work experience units and in a major related to the course.

This course is designed to coordinate the student's occupational onthe- job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum

of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

DANCE**DAN-6 - Dance Appreciation UC, CSU** **3 units***Prerequisite: None*

A nontechnical course for the general student leading to the appreciation and understanding of dance as a medium of communication, entertainment, and an art form. Students may not receive credit for both DAN-6 and DAN-6H. 54 hours lecture.

ACTIVITY COURSES**DAN-D19 - Conditioning for Dance UC, CSU** **1 unit***Prerequisite: None*

Students will develop their strength, flexibility, endurance, movement memory, balance and coordination to prepare for other dance classes or athletic activity. The course is designed to introduce basic movement skills from dance and exercise for body conditioning. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D20 - Introduction to Social Dance UC, CSU **1 unit***Prerequisite: None*

This course is designed to introduce student to social dance technique. Styles to be studied will include Waltz, Cha cha, Fox trot or Swing. DAN-D20, D30, and D31 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D21 - Ballet, Beginning UC, CSU **1 unit***Prerequisite: None*

This class will provide an opportunity to learn, practice and apply beginning level ballet skills and vocabulary. This class will introduce historical and cultural context of ballet. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D30 - Social Dance Styles UC, CSU **1 unit***Prerequisite: None*

This course is designed to provide students with a concentrated focus on a particular social dance style to be chosen from among Tango, Lindy-Hop, Salsa or Nightclub Two-Step. DAN-D20, D30, and D31 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further

information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/ No Pass option.)

DAN-D31 - Hip-Hop Dance, Beginning **1 unit**
UC, CSU

Prerequisite: None

Learn, practice and apply beginning hip-hop dance skills and vocabulary. Introduction to the historical and cultural context of hiphop culture. DAN-D20, D30, and D31 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

DAN-D32 - Jazz, Beginning **1 unit**
UC, CSU

Prerequisite: None

Learn, practice and apply fundamental jazz dance skills and vocabulary. Introduction to the historical and cultural context of jazz dance. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D37 - Modern Dance, Beginning **1 unit**
UC, CSU

Prerequisite: None

Learn, practice and apply fundamental modern dance skills and vocabulary. Introduction to the historical and cultural context of modern dance. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D43 - Tap, Beginning **1 unit**
UC, CSU

Prerequisite: None

Learn, practice and apply fundamental tap dance skills and vocabulary. Introduction to the historical and cultural context of tap dance. DAN-D43, and D44 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D44 - Tap, Intermediate **1 unit**
UC, CSU

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. Learn, practice and apply basic tap dance skills learned in beginning tap to more complex movement phrases and vocabulary characteristic of intermediate level technique. Tap Dance improvisation will be introduced. Continued study of historical and cultural context of tap dance as introduced in beginning tap. DAN- D43, and D44 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DAN-D46 - Pilates Mat Work **1 unit**
UC*, CSU

Prerequisite: None

This class is structured on the total body floor mat exercises developed by Joseph H. Pilates. Exercises include stretching

and strengthening, in a non-impact system of floor work that emphasizes improved alignment, body awareness and control. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

DENTAL ASSISTANT

Requirements for Eligibility:

1. RCCD application on file and eligibility to attend RCCD.
2. A qualifying first time score on RCCD's "Ability to Benefit" test.
3. Valid CPR certification (BLS Healthcare Provider).
4. Verification of receiving the Hepatitis B vaccination, tetanus, MMR, and TB testing.

Meeting minimum requirements does not guarantee admission into the program.

Selection Process:

The following priority given to those candidates meeting the minimum requirements:

First Priority Selection:

Students meeting all GPA requirements and residing within the District. Applications will be assigned a number and all numbers will be randomly selected. Once the maximum number of students is selected, the other applications will be assigned to a waiting list according to the order they are selected. This waiting list is valid for that year only.

Second Priority Selection:

Students meeting all GPA requirements but not residing within the District. This category will be used only if there are not enough applicants to fill the program needs from the first priority selection category. The number of students selected from the second priority selection pool of applicants will depend on the number of applicants needed to fill the program.

DEA-10 - Introduction to Dental Assisting and Chairside Assisting **4.5 units**

Prerequisite: ENG-50 or 80 or qualifying placement level
Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. The course introduces the student to the practice and history of dentistry including dental specialties, legal responsibilities and roles of the dental auxiliary, ethical decision making, dental terminology, dental charting, dental equipment, instrument identification, patient communication skills, and the provision of oral hygiene instructions. 54 hours lecture and 81 hours laboratory.

DEA-20 - Infection Control for Dental Assistants **2 units**

Prerequisite: None

Corequisite: Concurrent enrollment in DEA-10 and 21.
Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. The course introduces the student to Center of Disease Control (CDC) and Occupational Safety and Health Administration (OSHA) infection control standards and protocols, general safety protocols, general description of microorganisms, concepts of disease spread and its prevention, and how to manage

hazardous chemicals used in dentistry. 36 hours lecture and 10 hours laboratory.

DEA-21 - Introduction to Radiology for Dental Assistants 2.5 units

Prerequisite: None

Corequisite: Concurrent enrollment in DEA-10 and 20.

Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. This course includes the production, characteristics, and biological effects of radiation, the function, components and operation of the x-ray unit; radiation protection and monitoring; chemistry and techniques associated with x-ray film development. Introduction to anatomical landmarks, intraoral long-cone radiographic techniques for exposing bitewing, periapical and occlusal films are taught in this course. 27 hours lecture and 54 hours laboratory. (TBA option)

DEA-22 - Introduction to Supervised Externships 1.5 units

Prerequisite: DEA-10

Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. The course introduces the student to supervised clinical experience in chairside dental assisting. The students will be assigned to the MVC Dental hygiene Clinic and local general practices. 9 hours lecture and 70 hours laboratory.

DEA-23 - Introduction to Dental Sciences 3 units

Prerequisite: None

Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. The course is an overview of embryologic development of structures of the head and neck, teeth, and oral cavity; histology of the hard and soft tissues of the oral cavity; the developmental and structural defects involving the oral cavity and teeth; introduction to diseases of the oral cavity including periodontal disease and caries; and general pathology found in the head and neck region. 54 hours lecture.

DEA-24 - Dental Materials for the Dental Assistant 2 units

Prerequisite: None

Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. The course includes the manipulation of dental materials commonly prepared and used by the dental assistant including temporary dressings, impression materials, cement bases and liners, topical agents, composites, resins, and amalgam. 18 hours lecture and 64 hours laboratory. (TBA option)

DEA-30 - Intermediate Chairside Dental Assisting 2 units

Prerequisite: DEA-20, 23 and 24

Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. The course covers clinical chairside dental assisting duties of the fabrication and cementation of a temporary crown, fabrication and delivery of bleaching splint, fabrication of a sports mouthguard, armamentarium and procedure for the placement of pit and fissure sealants. 18 hours lecture and 54 hours laboratory.

DEA-31 - Radiology for Dental Assistants 1 unit

Prerequisite: DEA-10, 20 and 21

Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. This course includes the evaluation of the quality of a radiographic film, recognition of anomalies, specialized techniques for the pedodontic, endodontic and edentulous patient, principles of panoramic and cephalometric films, and digital radiography. 9 hours lecture and 36 hours laboratory.

DEA-32 - Intermediate Supervised Externships 1 unit

Prerequisite: DEA-10, 20, 22, 23 and 24

Limitation on enrollment: Enrollment in the Dental Assistant Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. The course provides the student with supervised clinical experience in chairside dental assisting. The student will be assigned to local general practices where they will assist dentists with basic dental procedures. 9 hours lecture and 32 hours laboratory. (TBA option)

DEA-40A - Advanced Chairside Surgical Dental Assistant 3.5 units

Prerequisite: DEA-30 and 32. (A minimum of two years experience

in a dental surgery practice or a valid Registered Dental Assistant license from the State of California are also accepted for this prerequisite). Limitation on enrollment: Enrollment in the Dental Assistant Program or valid California Registered Dental Assistant license. This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant Program. This course provides specialized knowledge and skills to perform chairside dental assisting in an oral and maxillofacial surgical and periodontal practice. The course includes didactic, laboratory and clinical instruction on dental sciences, pharmacology, dental materials, legal and ethical considerations, infection control, emergency management, treatment planning, pain and anxiety management, oral and maxillofacial pathology, specific nerve anatomy and physiology of the cardiovascular and respiratory system, and medically compromised patients as they relate to the surgery patient. 40 hours lecture and 81 hours laboratory. (TBA option)

DEA-40B - Advanced Chairside **3 units****Orthodontic Assistant Dental Assistant***Prerequisite: DEA-30**Limitation on enrollment: Enrollment in the Dental Assistant Program or a valid California Registered Dental Assistant license.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. This course provides specialized knowledge and skills to perform chairside dental assisting in an orthodontic practice. The course includes didactic, laboratory and clinical instruction on dental sciences, pharmacology, dental materials, legal and ethical considerations, infection control, emergency management, and treatment planning as they relate to the orthodontic patient. 18 hours lecture and 108 hours laboratory. (TBA option)

DEA-40C - Advanced Chairside Restorative Dental Assistant **5 units***Prerequisite: DEA-30 and 32**Limitation on enrollment: Enrollment in the Dental Assistant Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. This course provides specialized knowledge and skills to perform advanced chairside dental assisting procedures in a general or prosthodontic practice. The course includes didactic, laboratory and clinical instruction on dental sciences, pharmacology, dental materials and procedures, treatment planning, legal and ethical considerations as they relate to the restorative patient. 36 hours lecture and 162 hours laboratory. (TBA option)

DEA-41 - Dental Office Procedures **1.5 units***Prerequisite: None*

This course is designed to meet the state and national accreditation requirements for an approved Dental Assistant program. This course is an introduction to purchasing, inventory and cost control; banking and payroll procedures; billing and insurance procedures; collection of accounts; treatment plan and case presentations; and scheduling of patients while preparing the student with interview skills as well as resume writing. Additionally, the course will prepare the student to deal with law and ethics pertaining to the dental assistant working in the field. 18 hours lecture and 36 hours laboratory. (TBA option)

DENTAL HYGIENE**DEH-10A - Pre-Clinical Dental Hygiene #1** **1 unit**
CSU*Prerequisite: AMY-2A, 2B, COM-1 or 1H, ENG-1A or 1AH, MIC-1. Corequisite: Concurrent enrollment in DEH-11, 12A, 12B, 13, 14, 15, 16, and 17. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of pre-clinical experiences. This course is a laboratory course designed to orient the student to the role of the dental hygienist and develop basic skills and techniques required to perform dental hygiene services. Requires evaluation of clinical performance through demonstrated of skill acquisition and level of competency.

Students will work on typodonts and classmates. Student will be required to do observations in the MVC Dental Hygiene Clinic. 135 hours laboratory. (Pass/No Pass only.)

DEH-10B - Pre-Clinical Dental Hygiene #2 **1 unit**
CSU*Prerequisite: None**Corequisite: DEH-19**Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is a continuation of DEH-10A and is designed to facilitate the development of clinical skills and techniques required to perform dental hygiene services. Requires evaluation of clinical performance through demonstration of skill acquisition and level of competency. Students will work on typodonts and classmates. 54 hours laboratory. (Pass/No Pass only.)

DEH-11 - Principles of Dental Hygiene **2 units**
CSU*Prerequisite: AMY-2A, 2B, COM-1 or 1H, ENG-1A or 1AH.**Corequisite: Concurrent enrollment in DEH-10A, 12A, 12B, 13, 14, 15, 16, 17. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This is an introductory course that will provide the student with the scientific knowledge and theory of the basic hygiene techniques and procedures for the clinical aspect of dental hygiene. 36 hours lecture.

DEH-12A - Principles of Oral Radiology **1 unit**
CSU*Prerequisite: AMY-2A, ENG-1A or 1AH, MAT-52.**Corequisite: Concurrent enrollment in DEH-10A, 11, 12B, 13, 14, 15, 16, 17. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The student will be introduced to the basic principles and techniques of exposing and processing dental radiographs. Emphasis will be placed on the concepts of radiologic imaging, quality assurance, legal aspects, hazardous waste management, radiation health, and basic radiologic imaging interpretation. 18 hours lecture.

DEH-12B - Oral Radiology Laboratory **1 unit**
CSU*Prerequisite: AMY-2A, MAT-52**Corequisite: Concurrent enrollment in DEH-10A, 11, 12A, 13, 14, 15, 16, 17. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This laboratory course is designed to provide the student the avenue to implement knowledge obtained from the lecture course: DEH-12A and 13. Critiquing and interpreting radiographs on manikins and patients. 54 hours laboratory.

DEH-13 - Infection Control in Dentistry **1 unit**
CSU

Prerequisite: CHE-2A, 2B, ENG-1A or 1AH, MIC-1.

Corequisite: Concurrent enrollment in DEH-10A, 11, 12A, 12B, 14, 15, 16, 17. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is designed to provide the student with the principles and practical application of universal precaution and other infection control concepts. Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), Center for Disease Control (CDC), and the Dental Board of California (DBC) standards will be presented and discussed. Procedures and policies learned will be applied in all clinical dental hygiene courses. 18 hours lecture.

DEH-14 - Systems Analysis of Dental Anatomy, Morphology, Histology, Embryology **3 units**
CSU

Prerequisite: AMY-2A, and 2B. *Corequisite:* Concurrent enrollment in DEH-10A, 11, 12A, 12B, 13, 15, 16, and 17.

Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is a systematic approach to histological structures and embryonic development of oral human tissues, morphological characteristics of teeth with emphasis on comparative crown and root anatomy and occlusion. Identification of teeth and oral structures, tooth-numbering systems will be included in this course. 49.5 hours lecture and 13.5 hours laboratory.

DEH-15 - Head and Neck Anatomy **2 units**
CSU

Prerequisite: AMY-2A, 2B

Corequisite: Concurrent enrollment in DEH-10A, 11, 12A, 12B, 13, 14, 16, 17. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The course emphasizes specialized and interrelated structures of the head and neck, and associated structures surrounding and including the oral cavity. 36 hours lecture

DEH-16 - Preventative Dentistry **1.5 units**
CSU

Prerequisite: CHE-2A, 2B, COM-1 or 1H, ENG-1A or 1AH, KIN-4, MIC-1, PSY-1 or 1H, or 1H.

Corequisite: Concurrent enrollment in DEH-10A, 11, 12A, 12B, 13, 14, 15, and 17. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course provides the fundamentals of preventative dentistry concepts and modalities including the dental assessment, diagnosis, treatment planning, and implementation of clinical preventive procedures. Emphasis is on prevention of dental diseases through effective patient education and motivation.

Preventive dental products will be reviewed and analyzed. 27 hours lecture.

DEH-17 - General Pathology **2 units**
CSU

Prerequisite: AMY-2A, 2B, and MIC-1.

Corequisite: Concurrent enrollment in DEH-10A, 11, 12A, 12B, 13, 14, 15, and 16. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The student will learn about the basic pathologic mechanisms in human disease. There will be emphasis on the inflammation and repair, and immunity. Students will also learn about clinical aspects of diseases and disorders that will be encountered in the clinical setting. 36 hours lecture.

DEH-19 - Pain Control **2.5 units**
CSU

Prerequisite: DEH-10A, 11, 12A, 12B, 13, 14, 15, 16, and 17.

Corequisite: DEH-10B. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The student will be introduced to the theory, concepts, techniques, and drugs utilized in dentistry to achieve adequate pain control through local anesthesia and nitrous oxide/oxygen sedation. Students practice local anesthesia injections and administer nitrous oxide/oxygen on classmates. 27 hours lecture and 54 hours laboratory.

DEH-20A - Clinical Dental Hygiene #1 **3 units**
CSU

Prerequisite: None

Corequisite: Concurrent enrollment in DEH-21, 22, 23, 24, 25, 26, 27, 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of clinical dental hygiene. Students apply knowledge, critical thinking and basic clinical skills acquired in previous completed dental hygiene courses. Emphasis is placed on periodontal maintenance and recall patients with gingivitis and early periodontal disease. Requires evaluation of clinical performance through the demonstration of skill acquisition and clinical competency. 162 hours laboratory. (Pass/No Pass only.)

DEH-20B - Clinical Dental Hygiene #2 **1 unit**
CSU

Prerequisite: None

Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of clinical dental hygiene. Students apply knowledge, critical thinking and clinical skills acquired in previous completed dental hygiene courses. Emphasis is placed on periodontal maintenance and recall patients with gingivitis and early to moderate periodontal

disease. Requires evaluation of clinical performance through the demonstration of skill acquisition and clinical competency. 72 hours laboratory. (Pass/No Pass only.)

DEH-21 - Clinical Seminar #1 **1 unit**
CSU

Prerequisite: DEH-10B and 19

Corequisite: Concurrent enrollment in DEH-20A, 22, 23, 24, 25, 26, 27, and 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of clinical dental hygiene issues that will be implemented in the clinical setting. This course focuses on clinical issues and experiences of the students. Emphasis will be placed on communication, clinical protocols, chart management, and patient management and assessment issues. The dental hygiene portfolio will be introduced. 18 hours lecture.

DEH-22 - Oral Radiology Interpretation **1 unit**
CSU

Prerequisite: DEH-10B and 19.

Corequisite: Concurrent enrollment in DEH-20A, 21, 23, 24, 25, 26, 27, and 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course focuses on radiographic interpretation of full mouth series, periapical, and panoramic radiographs. Identification of anatomical landmarks, developmental defects, and lesions affecting the oral structures, carious lesions, periodontal disease and other maxillofacial radiographic pathology will be covered. 18 hours lecture.

DEH-23 - Introduction to Periodontology **2 units**
CSU

Prerequisite: DEH-10B and 19

Corequisite: Concurrent enrollment in DEH-20A, 21, 22, 24, 25, 26, 27, and 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The student will be introduced to a continuation of the study of Periodontics. This course is an introduction of the basic concepts of Periodontics. Emphasis will be placed on the periodontium and the etiology, diagnosis, treatment planning, and prevention of periodontal disease. 36 hours lecture.

DEH-24 - Ethics **1 unit**
CSU

Prerequisite: DEH-10B and 19.

Corequisite: Concurrent enrollment in DEH-20A, 21, 22, 23, 25, 26, 27, and 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is designed to introduce the student to ethics and professionalism as it relates to the profession of dental hygiene. Emphasis will be placed on the challenges of providing

ethical care in the clinical setting. 18 hours lecture.

DEH-25 - Medical and Dental Emergencies **1 units**
CSU

Prerequisite: DEH-10B and 19.

Corequisite: Concurrent enrollment in DEH-20A, 21, 22, 23, 24, 26, 27, and 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course will introduce the student to planning for the patient's medical management, including prevention, anticipation of potential medical emergencies and implementing appropriate treatment. Emphasis is placed on a problem-based approach to management of medical emergencies. 18 hours lecture.

DEH-26 - Dental Treatment of Geriatric and Medically Compromised Patients **2 units**
CSU

Prerequisite: DEH-10B and 19.

Corequisite: Concurrent enrollment in DEH-20A, 21, 22, 23, 24, 25, 27, and 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is designed to introduce the student to the special needs of the geriatric and medically compromised patients. Emphasis will be placed on the value of a thorough evaluation and risk assessment of patients, and determining the need for supplemental laboratory test and medical consultations. 36 hours lecture.

DEH-27 - Oral Pathology **2.5 units**
CSU

Prerequisite: DEH-10B and 19.

Corequisite: Concurrent enrollment in DEH-20A, 21, 22, 23, 24, 25, 26, and 28. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course provides the student with an introduction to pathologic conditions that directly or indirectly affect the oral cavity and adjacent structures. Students will learn a spectrum of signs and symptoms accompanied by clinical slides to learn how to correctly make a differential diagnosis. 45 hours lecture.

DEH-28 - Basic and Applied Pharmacology **2 units**
CSU

Prerequisite: DEH-10B and 19.

Corequisite: Concurrent enrollment in DEH-20A, 21, 22, 23, 24, 25, 26, and 27. *Limitation on enrollment:* Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The course introduces the student to the basic principles of pharmacology. Emphasis is on the use, actions, and clinical implications/ contraindications to medications. 36 hours lecture.

DEH-30A - Clinical Dental Hygiene #3 **3.5 units**
CSU*Prerequisite: DEH-20B**Corequisite: Concurrent enrollment in DEH-31, 32, 33, 34, 35, 36, and 37. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of clinical dental hygiene. Students apply knowledge, critical thinking and clinical skills acquired in dental hygiene courses. Emphasis is placed on periodontal maintenance and recall patients with early to advanced periodontal disease. Requires evaluation of clinical performance through the demonstration of skill acquisition and clinical competency. 192 hours laboratory. (Pass/No Pass only.)

DEH-30B - Clinical Dental Hygiene #4 **1 unit**
CSU*Prerequisite: DEH-30A, 31, 32, 33, 34, 35, 36, and 37.**Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of clinical dental hygiene. Students apply knowledge, critical thinking and clinical skills acquired in dental hygiene courses. Emphasis is placed on periodontal maintenance and recall patients with early to advanced periodontal disease. Requires evaluation of clinical competency. 72 hours laboratory. (Pass/No Pass only.)

DEH-31 - Clinical Seminar #2 **1 unit**
CSU*Prerequisite: DEH-20B**Corequisite: Concurrent enrollment in DEH-30A, 32, 33, 34, 35, 36, and 37. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene Program. The students are exposed to the continuation of clinical dental hygiene issues that are implemented in the clinical setting. The course focuses on clinical issues and experiences of the students. Emphasis will be placed on assessment and treatment planning of moderate to advanced periodontal cases. The development of the dental hygiene portfolio will be continued. 18 hours lecture.

DEH-32 - Dental Materials **3 units**
CSU*Prerequisite: DEH-20B**Corequisite: Concurrent enrollment in DEH-30A, 31, 33, 34, 35, 36, and 37. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is the study of the properties, composition and manipulation of materials used in dentistry. The study of dental materials provides the student with the scientific rationale for selecting and using specific materials as well as understanding the varied relationships of dental biomaterials. 40 hours lecture and 45 hours laboratory. program.

The student is introduced to a continuation of dental health education as it relates to evidenced-based decision-making skills in community settings. Emphasis is placed on the role of the dental health educator. 18 hours lecture.

DEH-33 - Periodontology **1 unit**
CSU*Prerequisite: DEH-20B**Corequisite: Concurrent enrollment in DEH-30A, 31, 32, 34, 35, 36, and 37. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students will expand their knowledge of Periodontology to include analysis of periodontal tissues, and the mechanisms and causes in various pathologic processes. Emphasis will be placed on therapeutic goals and techniques to attain and maintain periodontal health in the clinical setting. 18 hours lecture.

DEH-34 - Community Dental Health Education #1 **1 unit**
CSU*Prerequisite: DEH-20B**Corequisite: Concurrent enrollment in DEH-30A, 31, 32, 33, 35, 36, and 37. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The student is introduced to a continuation of dental health education as it relates to evidenced-based decision-making skills in community settings. Emphasis is placed on the role of the dental health educator. 18 hours lecture.

DEH-35 - Community Dental Health Education Practicum #1 **1 unit**
CSU*Prerequisite: DEH-20B**Corequisite: Concurrent enrollment in DEH-30A, 31, 32, 33, 34, 36, and 37. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The student is introduced to a continuation of dental health education practicum that introduces concepts of school lesson planning, development and evaluation mechanisms. Students will also have the opportunity to coordinate dental health education with educational and community systems. 9 hours lecture and 27 hours laboratory.

DEH-36 - Research Methodology **2 units**
CSU*Prerequisite: DEH-20B**Corequisite: Concurrent enrollment in DEH-30A, 31, 32, 33, 34, 35, and 37. Limitation on enrollment: Enrollment in the Dental Hygiene Program.*

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This is an introductory course that will allow the student to learn the fundamentals of research design and methodology, and acquire skills to critique scientific literature. The use of

internet and different search engines will be incorporated in this course. 36 hours lecture.

DEH-37 - Nutrition in Dentistry **1 unit**
CSU

Prerequisite: DEH-20B

Corequisite: Concurrent enrollment in DEH-30A, 31, 32, 33, 34, 35, and 36. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is designed to introduce the student to nutritional principles as they related to overall health of the patient with special emphasis on the nutrition as it relates to oral health. 18 hours lecture

DEH-40 - Clinical Dental Hygiene #5 **4 units**
CSU

Prerequisite: DEH-30B

Corequisite: Concurrent enrollment in DEH-41, 42, 43, 44, 45, and 46. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of clinical dental hygiene. Students apply knowledge, critical thinking and clinical skills acquired in previous completed dental hygiene courses. Emphasis is placed on periodontal maintenance and recall patients with moderate to advanced periodontal disease. Students will do rotations to observe the different aspects of dentistry. Requires evaluation of clinical performance through the demonstration of clinical competence. 216 hours laboratory. (Pass/No Pass only.)

DEH-41 - Clinical Seminar #3 **1 unit**
CSU

Prerequisite: DEH-30B

Corequisite: Concurrent enrollment in DEH-40, 42, 43, 44, 45, and 46. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students are exposed to the continuation of clinical dental hygiene issues that will be implemented in the clinical setting. The course focuses on clinical issues and experiences of the students. Emphasis is on developing critical thinking skills when implementing dental hygiene treatment plans. The development of the dental hygiene portfolio will be completed in this course. 18 hours lecture.

DEH-42 - Practice Management and Jurisprudence **2 units**
CSU *Prerequisite: DEH-30B*

Corequisite: Concurrent enrollment in DEH-40, 41, 43, 44, 45, and 46. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course will introduce the student to the dental economics of a dental hygiene practice within a private dental practice. Students will become familiar with dental office

procedures including computer dental office management programs as well as tissue management systems. Emphasis will be placed on the scope of practice of dental professionals as outlined by the California State Dental Practice Act (DPA). 36 hours lecture.

DEH-43 - Advanced Periodontology **1 unit**
CSU

Prerequisite: DEH-30B

Corequisite: Concurrent enrollment in DEH-40, 41, 42, 44, 45, and 46. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. The students will perform an in-depth analysis of current literature and how to implement the information to accomplish evidence-based dental hygiene care. 18 hours lecture.

DEH-44 - Community Dental Health Education #2 **1 unit**
CSU *Prerequisite: DEH-30B*

Corequisite: Concurrent enrollment in DEH-40, 41, 42, 43, 45, and 46. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is a continuation of dental health education with emphasis on the concepts and methods of prevention as they relate to the oral health of groups. Issues central to community dental health such as access to care, supply and demand, quality assurance, health financing, health policy and community program development are presented. 18 hours lecture.

DEH-45 - Community Dental Health Education Practicum #2 **1 unit**
CSU

Prerequisite: DEH-30B

Corequisite: Concurrent enrollment in DEH-40, 41, 42, 43, 44, and 46. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course is a continuation of dental health practicum that emphasizes the assessment, diagnosis, planning, implementation, and evaluation of community programs. 9 hours lecture and 27 hours laboratory.

DEH-46 - Advanced Topics in Dental Hygiene **1 unit**
CSU

Prerequisite: DEH-30B

Corequisite: Concurrent enrollment in DEH-40, 41, 42, 43, 44, and 45. Limitation on enrollment: Enrollment in the Dental Hygiene Program.

This course is designed to meet the state and national accreditation requirements for an approved Dental Hygiene program. This course examines advanced topics in the field of dental hygiene to prepare students to transition into the private practice arena. Students will discuss how to integrate topics into their clinical practices. Latest clinical duties approved by the Dental Board of California will be discussed. 18 hours lecture.

**DEH-200 - Dental Hygiene Work Experience 1-2-3-4 units
CSU****Prerequisite: None*

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

EARLY CHILDHOOD EDUCATION**EAR-19 - Observation and Assessment in
Early Childhood Education 3 units
CSU (C-ID ECE 200)***Prerequisite: None*

The appropriate use of a variety of assessment and observation strategies to document child development and behavior. Child observations will be conducted and analyzed. 54 hours lecture.

**EAR-20 - Child Growth and Development 3 units
UC, CSU (C-ID CDEV 100)***Prerequisite: None*

This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Outside observations required. 54 hours lecture

**EAR-22 - Early Childhood Education 3 units
CSU***Prerequisite: None*

The course explores the historical backgrounds and philosophies of early childhood programs. The theories of Dewey, Montessori, Erikson, Piaget and Vygotsky are examined as the foundation for current strategies in early childhood care and developmentally appropriate learning experiences. The characteristics of various program types are introduced along with the requirements of operation: state licensing, laws, permits, and regulations. Career opportunities, particularly those involving the Pre-K and K-12 educational systems, are discussed and explored, as well as other career paths open to educators. Observations of various educational settings are required. 54 hours of lecture.

**EAR-23 - Family Home Child Care Program 3 units
CSU***Prerequisite: None.*

Meets the specific needs of the family child care provider.

Emphasis will be given to licensing regulations, recordkeeping, developing contracts, child development, and creating partnerships with parents. Topics include creating appropriate environments, using appropriate positive guidance techniques, and planning and implementing developmentally appropriate curricula for mixed-age groups of children. Outside observations required. 54 hours lecture.

**EAR-24 - Introduction to Curriculum 3 units
CSU (C-ID ECE 130)***Prerequisite: None*

This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and engagement for all young children. This course provides strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including: academic content areas; play, art, and creativity; and development of socialemotional, communication, and cognitive skills. 54 hours lecture.

**EAR-25 - Teaching in a Diverse Society 3 units
UC, CSU (C-ID ECE 230)***Prerequisite: None*

Examines the development of social identities in diverse societies including theoretical and practical implications affecting young children, families, programs, teaching, education and schooling. Culturally relevant and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. Self-reflection of one's own understanding of educational principles in integrating anti-bias goals in order to better inform teaching practices and/or program development. 54 hours lecture.

**EAR-26 - Health, Safety and Nutrition 3 units
CSU (C-ID ECE 220)***Prerequisite: None*

Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development. 54 hours lecture.

**EAR-28 - Principles and Practices of Teaching Young
Children 3 units
CSU (C-ID ECE 120)***Prerequisite: None*

An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. Includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. 54 hours lecture.

**EAR-30 - Practicum in Early Childhood Education 4 units
CSU (C-ID ECE 210)**

Prerequisite: EAR-20, 24, 28 and 42

In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. Lab hours will be completed under the direction of a qualified Master Teacher (Child Development Permit Matrix, California Commission on Teacher Credentialing) with three units of supervised field experience in ECE setting. 36 hours lecture and 108 hours laboratory.

**EAR-33 - Infant and Toddler Development 3 units
CSU**

Prerequisite: None.

A study of infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development. 54 hours lecture.

**EAR-34 - Infant and Toddler Care and Education 3 units
CSU**

Prerequisite: None

Applies current theory and research to the care and education of infants and toddlers in group settings. Examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. 54 hours lecture.

**EAR-35 - Practicum in Infant and Toddler Care 3 units
CSU**

Prerequisite: EAR-20. Advisory: EAR-33 and 34.

This is a supervised teaching experience in the care and education of infants and toddlers. Emphasis is on applying the principles and practices of high quality infant care programs. Students will participate in and ultimately plan and develop a comprehensive infant/toddler program consistent with Title 22 licensing regulations and the physical, emotional, social, cognitive, and creative needs of the infant/toddler. 36 hours lecture and 54 hours of structured laboratory (TBA option) work in an approved infant/toddler program under the direction of a Master Teacher with appropriate Infant-Toddler units required.

**EAR-38 - Adult Supervision and Mentoring in Early Care and Education 3 units
CSU**

Methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders. 54 hours lecture.

**EAR-40 - Introduction to Children with Special Needs 3 units
CSU**

Prerequisite: None

Introduces variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. This course will include required observations of programs for infants and children with special needs and their families. 54 hours lecture.

**EAR-41 - Practicum in Early Intervention/Special Education 4 units
CSU**

Prerequisite: EAR-20, 24, 28 and 42. Advisory: EAR-40 or 46.

This course provides students with hands-on experience working infants, toddlers and young children with special needs in a variety of early intervention and educational settings, including natural environments, self-contained and fully-included early childhood classrooms. It integrates learned theoretical models to real-life situations and affords students opportunities for supervised practice as an assistant in an early childhood special education setting, home visiting program or as an early intervention support person in a general education classroom. 36 hours lecture and 108 hours laboratory (TBA option).

**EAR-42 - Child, Family, and Community 3 units
CSU
(C-ID CDEV 110)**

Prerequisite: None

An examination of the developing child in a societal context which focuses on the interrelationships of family, school, and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted. 54 hours lecture.

**EAR-43 - Children with Challenging Behaviors 3 units
CSU**

Prerequisite: EAR-19 and 20

This course provides an overview of the developmental, environmental and cultural factors that impact the behavior of young children, including family stressors, child temperament, violence, attachment disorders, and special needs; and proactive intervention and prevention techniques. Topics include reasons why children misbehave, how to carefully observe a child, how to create a positive environment to encourage appropriate behavior, and how to effectively address many types of behaviors including those that are aggressive and antisocial, disruptive, destructive, emotional and dependent. Outside observations required. 54 hours lecture.

**EAR-44 - Administration I: Programs in Early Childhood Education 3 units
CSU**

Prerequisite: EAR-20, 24, 28 and 42

Introduction to the administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques

needed to organize, open, and operate an early care and education program. 54 hours lecture.

EAR-45 - Administration II: Personnel and Leadership in Early Childhood Education CSU **3 units**

Prerequisite: EAR-20, 24, 28, and 42

Effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. 54 hours lecture.

EAR-46 - Curriculum and Strategies for Children with Special Needs CSU **3 units**

Prerequisite: None. Advisory: EAR-40

Covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence. 54 hours lecture.

EAR-47 - Childhood Stress and Trauma CSU **3 units**

Prerequisite: None

This course is a comprehensive overview of concepts, theories, and issues related to childhood stress and trauma. Emphasis is on the short and long-term effects that stress and trauma have on the physical, cognitive, language, social, and emotional stages of a child's development. Students will be introduced to child behavior patterns and potential responses to stress and trauma. Students will examine research and innovative methods that support the child's coping skills and healing process. This course is designed to develop an understanding of how children react and adapt to stress and trauma, and what parents and early childhood practitioners can do to assist children. 54 hours lecture.

EAR-200 - Early Childhood Studies Work Experience CSU* **1-2-3-4 units**

Prerequisite: None

Advisory: Student should have paid or voluntary employment. This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

ECONOMICS

ECO-4 - Introduction to Economics UC*, CSU **3 units**

Prerequisite: None

An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles. This course emphasizes the causes and consequences of the business cycle on output, employment, and prices as well as, basic supply and demand analysis across different market structures. Analysis further includes the role of the government in the macro-economy and the microeconomy. 54 hours lecture.

ECO-5 - Economics of the Environment UC, CSU **3 units**

Prerequisite: None

Advisory: Qualification for ENG-1A

Economics 5 searches for an economic understanding of contemporary environmental problems. Economic theory is used to explain why there is inefficient resource use and pollution. Public policy to correct environmental problems is examined critically, looking at the costs and benefits of such programs as Superfund cleanup, government regulation, and market incentives. The course also studies the effect of environmental problems and policies on wealth distribution, economic growth and international relations. 54 hours lecture.

ECO-6 - Introduction to Political Economy (Same as POL-6) UC, CSU **3 units**

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A.

This course will examine the historical, structural, and cultural elements in the development of international political economy. Topics covered will include the relation of politics and economics on development, globalization, national institutions, social groups and classes, and democracy. 54 hours lecture.

ECO-7 - Principles of Macroeconomics UC, CSU (C-ID ECON 202) **3 units**

Prerequisite: MAT-52

Advisory: MAT-35 and qualification for ENG-1A.

Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

ECO-7H - Honors Principles of Macroeconomics UC, CSU (C-ID ECON 202) **3 units**

Prerequisite: MAT-52

Advisory: MAT-35 and qualification for ENG-1A.

Limitation on enrollment: Enrollment in the Honors Program. Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes the enhanced exploration of aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher order critical thinking

skills. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

ECO-8 - Principles of Microeconomics **3 units**
UC, CSU (C-ID ECON 201)

Prerequisite: MAT-52

Advisory: MAT-35 and qualification for ENG-1A.

Economic theory and analysis as applied to consumer and producer behavior in markets. Emphasizes the allocation of resources and the distribution of income through the price mechanism, and deals with the microeconomic concepts of equilibrium in product and factor markets, perfect and imperfect competition, government intervention in the private sector, and international trade and finance. Students may not receive credit for both ECO-8 and ECO-8H. 54 hours lecture.

ECO-8H - Honors Principles of Microeconomics **3 units**
UC, CSU (C-ID ECON 201)

Prerequisite: MAT-52

Advisory: MAT-35 and qualification for ENG-1A. Limitation on enrollment: Enrollment in the Honors Program.

Economic theory and analysis as applied to consumer and producer behavior in markets. Emphasizes the allocation of resources and the distribution of income through the price mechanism, and deals with the microeconomic concepts of equilibrium in product and factor markets, perfect and imperfect competition, government intervention in the private sector, and international trade and finance. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ECO-8 and ECO-8H. 54 hours lecture.

EDUCATION

EDU-1 - Introduction to Elementary **4 units**
Classroom Teaching
UC, CSU (C-ID EDUC 200)

Prerequisite: None

This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, Kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 54 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. 54 hours lecture.

EDU-51 - Leadership Development Studies **3 units**
CSU

Prerequisite: None

Designed to provide emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve their leadership skills. The course integrates readings from the humanities, experiential exercises, films and contemporary readings on leadership. Course emphasis is placed on assessing leadership skills, evaluating interactions among

leaders and followers, situations, communicating within groups, managing conflict, goal setting and delegating tasks. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

EDU-200 - Education Work Experience **1-2-3-4 units**
CSU*

Prerequisite: None

Advisory: Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

EMERGENCY MEDICAL SERVICES

Prior to acceptance to the Emergency Medical Services Paramedic Program, students must have the following: a valid EMT-1 card and a valid American Heart Association Healthcare Provider level CPR card (both to remain current throughout the program), a high school diploma or GED, verification of at least 18 years of age, documentation of at least one year and 2000 hours of paid or volunteer service as an EMT-1 (50 percent of the experience must be in the prehospital setting,) and successful completion of AMY-10 or equivalent. Attendance at orientation and successful completion of paramedic preparatory class are also required. Students will receive further details upon acceptance into program. Students must purchase a uniform and complete a background check and healthcare screening prior to the start of the program. Before taking any of these steps, attendance at orientation and successful completion of paramedic preparatory class are also mandatory. It is highly recommended that students take courses in medical terminology, medical math and English composition before the program begins.

EMS-40 - Emergency Medical Technician **1 unit**
Continuing Education

Prerequisite: None

Advisory: EMS-50 and EMS-51 or current EMT certification.

This course is designed to provide the information required to fulfill the continuing education of the certified EMT in pre-hospital emergency medical care. This course meets the 24 hour refresher requirements of the state and local accreditation bodies.

EMS-50 - Emergency Medical Technician 7 units

Prerequisite: None

Corequisite: Concurrent enrollment in EMS-51.

Advisory: The students will be cleared to register for the class, after they have provided documentation of viewing program orientation information. This can be online or in person.

Limitation on enrollment: American Heart Association CPR Certification, Healthcare Provider level, current throughout the length of the program. Must be 18 years of age. Student must purchase a uniform and complete a background check and healthcare screening prior to the start of the program.

An entry-level course into the Emergency Medical Services career field that follows the current Department of Transportation (DOT) curriculum. Satisfactory completion of this course (when taken concurrently with EMS-51) prepares this student as an Emergency Medical Technician (EMT) for work in the pre-hospital emergency medical environment. 99 hours lecture and 81 hours laboratory. (TBA option)

EMS-51 - Emergency Medical Services-Basic Clinical/Field 1.5 unit

Prerequisite: None

Corequisite: Concurrent enrollment in EMS-50.

Advisory: The student will be cleared to register for the class, after they have provided documentation of viewing program orientation information. this can be online or in person.

Limitation on enrollment: American Heart Association CPR Certification (Healthcare Provider level) current throughout the length of the program. Must be 18 years of age. Student must purchase a uniform and complete a background check and healthcare screening prior to the start of the program.

Provides supervised clinical practice in a wide variety of patient care activities in the care of the sick and injured. This course meets all state and national guidelines. 81 hours laboratory. (TBA option)

EMS-59 - Paramedic Preparation .5 unit

Prerequisite: None

An overview of paramedic-level assessment skills combined with appropriate paramedic-level anatomy, physiology, and treatment relevant to the disease processes studied. 27 hours laboratory.

EMS-60 - Patient Assessment and Airway Management 4.5 units

Prerequisite: None

Corequisite: Concurrent enrollment in EMS-61, 62 and 63.

Limitation on enrollment: Acceptance into the Paramedic Program.

Enables Emergency Medical Technicians (EMTs) to refine skills and develop to the level of a paramedic; concentrates on patient assessment and airway management techniques needed in dealing with sick and injured patients. 54 hours lecture and 81 hours laboratory.

EMS-61 - Introduction to Medical Pathophysiology 3 units

Prerequisite: None

Limitation on enrollment: Acceptance into the Paramedic Program.

Corequisite: Concurrent enrollment in EMS-60, 62 and 63.

Enables Emergency Medical Technicians (EMTs) to expand their understanding of disease and injury processes; reviews anatomy

and physiology; introduces pathophysiology to assist the paramedic student in understanding disease and trauma processes. 54 hours lecture.

EMS-62 - Emergency Pharmacology 4 units

Prerequisite: None

Limitation on enrollment: Acceptance into the Paramedic Program. Corequisite: Concurrent enrollment in EMS-60, 61, and 63.

Enables Emergency Medical Technicians (EMTs) to refine their pharmacology skills; prepares paramedic students to deal with basic pharmacology, pharmacokinetics, pharmacodynamics including calculation and administration of prehospital medications. 54 hours lecture and 54 hours laboratory.

EMS-63 - Cardiology 4 units

Prerequisite: None

Limitation on enrollment: Acceptance into the Paramedic Program. Corequisite: Concurrent enrollment in EMS-60, 61, and 62.

Enables Emergency Medical Technicians (EMTs) to expand their understanding of management of patients with cardiovascular emergencies including treatment protocols, electrocardiogram interpretation (3-lead and 12-lead), pharmacology, and electrical therapy for patients in cardiac distress. 54 hours lecture and 54 hours laboratory.

EMS-70 - Trauma Management 3.5 units

Prerequisite: EMS-60, 61, 62 and 63. Corequisite: Concurrent enrollment in EMS-71. Limitation on enrollment: Acceptance into the Paramedic Program.

Integration of the principles of kinematics to enhance the patient assessment and predict the likelihood of injuries based on the mechanism of injury. 45 hours lecture and 54 hours laboratory.

EMS-71 - Clinical Medical Specialty I 3 units

Prerequisite: EMS-60, 61, 62 and 63. Corequisite: Concurrent enrollment in EMS-70. Limitation on enrollment: Acceptance into the Paramedic Program.

Application of theory and skills under supervision of health care professionals in a wide variety of settings involving patient care of the sick and injured. 162 hours laboratory.

EMS-80 - Medical Emergencies 4.5 units

Prerequisite: EMS-70 and 71.

Limitation on enrollment: Acceptance into the Paramedic Program. Corequisite: Concurrent enrollment in EMS-81, 82 and 83.

Preparation for management of patients with medical emergencies; includes selection of appropriate treatment protocols, electrocardiogram interpretation, pharmacology, and interventions that lead to a viable outcome for a patient experiencing a medical emergency. 63 hours lecture and 54 hours laboratory.

EMS-81 - Special Populations 4 units*Prerequisite: EMS-70 and 71**Corerequisite: Concurrent enrollment in EMS-80, 82, and 83.**Limitation on enrollment: Acceptance into the Paramedic Program.*

Provides paramedic students to care for clients with special problems through a review of anatomy and physiology as well as the pathophysiological process of neonatology, pediatrics, geriatrics, abuse, assault, and patients with special needs, also includes discussion of acute interventions for chronic care patients. 54 hours lecture and 54 hours laboratory.

EMS-82 - Special Topics 3 units*Prerequisite: EMS-70 and 71**Corerequisite: Concurrent enrollment in EMS-80, 81, and 83.**Limitation on enrollment: Acceptance into the Paramedic Program.*

Overview of issues and problems directly impacting the emergency provider such as dealing with weapons of mass destruction, bioterrorism, urban terrorism threats and other topics and circumstances in an unpredictable environment. 36 hours lecture and 54 hours laboratory.

EMS-83 - Clinical Medical Specialty II 3 units*Prerequisite: EMS-70 and 71**Corerequisite: Concurrent enrollment in EMS-80, 81, and 82.**Limitation on enrollment: Acceptance into the Paramedic Program.*

Supervised clinical practice under the supervision of health care professionals in a wide variety of situations involving patient care of the sick and injured in a hospital setting. 162 hours laboratory. (TBA option)

EMS-90 - Assessment Based Management 3 units*Prerequisite: EMS-80, 81, 82 and 83.**Corerequisite: Concurrent enrollment in EMS-91. Limitation on enrollment: Acceptance into the Paramedic Program.*

Prepares paramedic students to assess and make clinical and field judgments regarding the treatment of the ill or injured patient; refines existing knowledge and skills. 36 hours lecture and 54 hours laboratory.

EMS-91 - Paramedic Field Internship 10 units*Prerequisite: EMS-80, 81, 82 and 83**Corerequisite: Concurrent enrollment in EMS-90. Limitation on enrollment: Acceptance into the Paramedic Program.*

Capstone course of the Paramedic Program. Field training under the supervision of an approved preceptor to develop skills needed for certification as a Paramedic, including medical histories, physical examinations, patient management and supportive care of the sick injured in a field setting. 540 hours laboratory. (TBA option)

ENGLISH

Most four-year colleges and universities will require transfer students to have eight units (two semesters) of composition. English 1A or 1H and 1B or 1BH at Moreno Valley College will meet this requirement.

ENG-1A - English Composition 4 units
UC, CSU (C-ID ENGL 100)*Prerequisite: ENG-50 or 80 or qualifying placement level.*

Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

ENG-1AH - Honors English Composition 4 units
UC, CSU (C-ID ENGL 100)*Prerequisite: ENG-50 or 80 or qualifying placement level.**Limitation on enrollment: Enrollment in the Honors Program.*

Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both ENG-1A and ENG-1AH. Classroom instruction integrates writing lab activities. 72 hours lecture and 18 hours laboratory. (TBA option)

ENG-1B - Critical Thinking and Writing 4 units
UC, CSU (C-ID ENGL 105 and ENGL 110)*Prerequisite: ENG-1A or 1AH*

Building on the rhetorical skills learned in ENG-1A, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with writing lab activities. Students may not receive credit for both ENG-1B and ENG-1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

ENG-1BH - Honors Critical Thinking and Writing 4 units
UC, CSU (C-ID ENGL 105 and ENGL 110)*Prerequisite: ENG-1A or 1AH**Limitation on enrollment: Enrollment in the Honors Program.*

Building on the rhetorical skills learned in ENG-1A or 1AH, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with writing lab activities. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ENG-1B and ENG-1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

ENG-4 - Writing Tutor Training **2 units**

CSU

Prerequisite: ENG-1A or 1AH

Designed to prepare students to become peer tutors in the Writing Center. Participants learn specific tutoring techniques and discuss problems, questions, and challenges in tutoring writing. Tutors develop student-centered, non-intrusive tutoring skills that avoid “appropriating the text” (i.e., becoming a proofreader, editor, or co-author). Topics include theory and practice of tutoring writing, including writing as a process, interpersonal communication techniques, cross-cultural tutoring, group learning, and computer programs applicable to writing instruction. 27 hours lecture and 27 hours laboratory. (TBA option)

ENG-6 - British Literature I: Anglo-Saxon through Eighteenth Century **3 units**
UC, CSU (C-ID ENGL 160)

Prerequisite: ENG-50 or 80 or eligibility for ENG-1A

Advisory: ENG-1B or 1BH

A survey of British literature from the eighth century AD to 1800, including a comprehensive exposure to the poetry, drama, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-7 - British Literature II: Romanticism through Modernism/Post-Modernism **3 units**
UC, CSU (C-ID ENGL 165)

Prerequisite: ENG-50 or 80 or eligibility for ENG-1A

Advisory: ENG-1B or 1BH

A survey of British literature from 1800 to the present, including a comprehensive exposure to the poetry, drama, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-9 - Introduction to Shakespeare **3 units**
UC, CSU

Prerequisite: None.

Advisory: ENG-1B or 1BH

A survey of Shakespeare’s plays and poetry, with the primary emphasis on exposing students to a representative sampling of his dramatic works and to the cultural, intellectual, and artistic contexts for his work. Both students who have read Shakespeare before and students who have no experience with Shakespeare are encouraged to take this class. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-10 - Special Studies in Literature **3 units**
CSU

Prerequisite: None.

Advisory: ENG-1B or 1BH

Designed to provide students with opportunities to focus on specialized areas of literature and/or specific authors, genres or literary themes. Topics are selected according to student and instructor interest and needs. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-11 - Creative Writing **3 units**
UC, CSU (C-ID ENGL 200)

Prerequisite: ENG-1A or 1AH

Studies in fundamental principles and practice of writing fiction and poetry. Lectures and discussions emphasize analysis of professional examples of creative writing and study of creative writing theory. In class workshops provide practice in creative writing techniques. In class and out-of-class class writing assignments provide practice in writing techniques and in peer- and self-analysis. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-14 - American Literature I: Pre-Contact through Civil War **3 units**
UC, CSU (C-ID ENGL 130)

Prerequisite: ENG-50 or 80 or eligibility for ENG-1A

Advisory: ENG-1B or 1BH

A survey of American literature from the pre-contact period to the Civil War, including a comprehensive exposure to the prose, poetry, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-15 - American Literature II: 1860 to the Present **3 units**
UC, CSU (C-ID ENGL 135)

Prerequisite: ENG-50 or 80 or eligibility for ENG-1A

Advisory: ENG-1B or 1BH

A survey of American literature from 1860 to the present, including a comprehensive exposure to the prose, poetry, fiction and drama of this era as well as a basic understanding of the cultural, intellectual and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-16 - Introduction to Linguistics **3 units**
UC, CSU

Prerequisite: None

Advisory: Qualification for ENG-1A

A survey of language structure, theory and development, including a study of phonetics, phonology, morphology, semantics and syntax, language variation and change, language acquisition, and the psychological and social issues involved in language learning. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

ENG-20 - Survey of African American Literature **3 units**
UC, CSU

Prerequisite: None

Advisory: ENG-1B or 1BH

A survey of African American literature from the early oral tradition to the present, including a comprehensive exposure to African American prose, poetry, and fiction as well as a basic understanding of the cultural, intellectual, and artistic trends of African American culture and the relationship to contemporary literature. Students who have taken both ENG-21 and ENG-22 may not receive credit for ENG-20. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

- ENG-23 - The Bible as Literature** **3 units**
(Same as HUM-23)
 UC, CSU
Prerequisite: None
Advisory: ENG-1B or 1BH and REA-83
 A survey of the Hebrew Bible and New Testament with emphasis on literary form, styles, and themes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
- ENG-25 - Latino Literature of the United States** **3 units**
 UC, CSU
Prerequisite: None
Advisory: ENG-1B or 1BH
 Latino literature of the regional United States in all genres from the early oral traditions, chronicles and epic poems of the 15th through 19th centuries to the essays, poems, plays and novels of 20th century authors. The course will also explore Latino history, culture and identity as expressed in the writings of American Latino writers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
- ENG-30 - Children's Literature** **3 units**
 UC, CSU (C-ID ENGL 180)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A.
 A general survey of children's literature from early times, with emphasis on contemporary works, including fantasy/science fiction, realistic, multicultural, and historical fiction. Both oral and written assignments are required. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
- ENG-35 - Images of Women in Literature** **3 units**
 UC, CSU
Prerequisite: None. *Advisory:* ENG-1B or 1BH
 A study of images of women in literature which includes male and female authors and explores the cultural, sociological, political and economic bases for historical and contemporary literary images of women. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
- ENG-40 - World Literature I: From Ancient Literatures to the Seventeenth Century** **3 units**
 UC, CSU (C-ID ENGL 140)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A
Advisory: ENG-1B or 1BH
 Significant works of world literature from Ancient literatures to 17th Century, including a comprehensive exposure to the poetic, dramatic, and prose forms of early cultures as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Primary emphasis is on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
- ENG-41 - World Literature II: Seventeenth Century Through the Present** **3 units**
 UC, CSU (C-ID ENGL 145)
Prerequisite: ENG-50 or 80 or eligibility for ENG-1A
Advisory: ENG-1B or 1BH
 Significant works of world literature from the Seventeenth Century through the present, including a comprehensive exposure to the poetry, drama, and fiction of these periods as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Emphasis on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
- ENG-48 - Short Story and Novel from the Twentieth Century to the Present** **3 units**
 UC, CSU
Prerequisite: None
Advisory: ENG-1B or 1BH
 A study of prose fiction from the twentieth century to the present, with an emphasis on writers of international standing whose work embodies significant formal developments and thematic concerns of prose narrative in the last century. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
- ENG-50 - Basic English Composition** **4 units**
Prerequisite: ENG-60B, or ENG-70, or ESL-55
Advisory: REA-82 or qualifying placement level.
 Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)
- ENG-60A - English Fundamentals: Sentence to Paragraph** **4 units**
Prerequisite: None
 Develops student's writing, active-reading and grammar skills to basic-level performance. Emphasis is on correct writing at the sentence and paragraph level. 72 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course. Pass/No Pass only.)
- ENG-60B - English Fundamentals: Paragraph to Essay** **4 units**
Prerequisite: ENG-60A or qualifying placement level.
 Develops the student's basic-level writing, active-reading and grammar skills to intermediate-level performance. Emphasis is on correct writing at the paragraph and short-essay level. 72 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course. Pass/No Pass only.)
- ENG-70 - Composition Fundamentals** **4 units**
Prerequisite: None
 Prepares students by developing skills in grammar, usage, composition, and the writing process. This course serves students who desire more practice with pre-collegiate level reading and writing before taking ENG-1A. Students will write a minimum of 5,000 words. 72 hours lecture and 18 hours laboratory. (Letter Grade only)
- ENG-80 - Preparatory Composition** **6 units**
Prerequisite: None
 Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

ENG-90B - Special Topics in English: The Research Paper Process **1 unit***Prerequisite: None*

Presents the essential skills of the process for writing a research paper. Students learn and practice process and skills for determining an academic research question; conducting library and Internet research; planning the research paper; organizing the research material; defining a thesis statement; drafting; critiquing peers' papers; using academic formatting; and preparing a final document. 18 hours lecture. (Nondegree credit course. Pass/No Pass only.)

ENGLISH AS A SECOND LANGUAGE**ESL-51 - Basic Writing and Grammar** **4 units***Prerequisite: None*

Emphasizes elementary competency in standard written English with a focus on basic writing and grammar skills. Instruction will also include vocabulary and reading skills necessary for success in basic English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-52 - Low-intermediate Writing and Grammar **4 units***Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-51.*

Develops competency in standard written English with a continued focus on basic writing and grammar skills. Instruction includes vocabulary and reading skills necessary for success in low- intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-53 - Intermediate Writing and Grammar **4 units***Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL- 52.*

Increases competency in standard written English with a focus on intermediate and writing grammar skills. Instruction includes vocabulary and reading skills necessary for success in intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-54 - High-intermediate Writing and Grammar **5 units**
UC*, CSU*Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-53.*

Emphasizes competency in standard written English with a focus on high-intermediate grammar and writing skills. Instruction includes an intensive review of vocabulary and reading skills necessary for success in high-intermediate English as a Second Language courses. 90 hours lecture and 18 hours laboratory. (TBA option) (Degree credit course. Letter grade, or Pass/No Pass option.)

ESL-55 - Advanced Writing and Grammar **5 units**
UC*, CSU*Prerequisite: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-54.*

Emphasizes competency in standard written English with a focus on developing paragraphs and essays in preparation for English

composition classes. Instruction includes continued development of vocabulary, reading and academic skills necessary for success in college classes. 90 hours lecture and 18 hours laboratory. (TBA option) (Degree credit course. Letter Grade, or Pass/No Pass option.)

ESL-71 - Basic Reading and Vocabulary **4 units***Prerequisite: None**Advisory: Enrollment in ESL-51 or 52 or qualifying placement level on a state-approved placement instrument.*

Emphasizes the acquisition of simple reading skills, expansion of receptive and productive vocabulary, developing dictionary skills, and comprehension of short, adapted reading selections. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-72 - Intermediate Reading and Vocabulary **4 units***Prerequisite: None**Advisory: Completion of ESL-71 and enrollment in ESL-53 or 54*

Emphasizes the continued acquisition of reading skills needed for college level courses, expansion of receptive and productive vocabulary, and comprehension of medium-length adapted reading selections. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/ No Pass only.)

ESL-73 - High-intermediate Reading and Vocabulary **4 units***Prerequisite: None**Advisory: Completion of ESL-72 and enrollment in ESL-53, 54, 55 or qualifying placement level on a state-approved placement instrument.*

Emphasizes the acquisition of higher level reading skills needed for college level courses, expansion of receptive and productive vocabulary, further development of library skills, and comprehension of both adapted and authentic reading selections of varying lengths. 72 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass option.)

ESL-90D - Special Topics in ESL: Verb Tense Review **2 units***Prerequisite: None**Advisory: Qualification for or enrollment in ESL-54 or higher*

Provide students with intensive review, practice, and use of all the basic English verb tenses. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90L - Special Topics in ESL: Punctuation of Phrases and Clauses **2 units***Prerequisite: None**Advisory: Qualification for or enrollment in ESL-53 or higher.*

Provides students with the conventions of punctuation use in American English. Enhances the students' competence in identifying types of phrases and clauses in English and in using proper punctuation in compound and complex sentence structures. 36 hours lecture. (Nondegree credit course. Pass/No Pass only.)

ESL-90M - Special Topics in ESL: Articles and 2 Prepositions **units***Prerequisite: None**Advisory: Qualification for or enrollment in ESL-53 or higher.*

Provides students with basic instruction and practice in the use of prepositions and articles. Attention will focus on prepositional

phrases, verbal and adverbial idioms, and the use of definite and indefinite articles. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-90P - Special Topics in ESL: Mastering Academic Vocabulary **2 units**

Prerequisite: None

Advisory: Qualification for or enrollment in ESL-53 or higher.

Instruction and practice aimed at understanding and using high-frequency academic vocabulary. Vocabulary study is approached on three levels: the word, the sentence, and the context level. Provide students with the rules of spelling in American English. Enhance the students's competence in identifying roots and affixes in borrowed words and using proper spelling in written discourse. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

ESL-91 - Oral Skills I: Beginning Oral Communication **3 units**

Prerequisite: None

Advisory: Concurrent enrollment in ESL-51 or 52

This course emphasizes beginning conversation, pronunciation and idiomatic skills along with basic listening comprehension. Conversational and idiomatic skills focus on fluent and appropriate use of common words and functional expressions in life skills areas — shopping, food, clothing, money/banking, car/license, travel, medicine. Pronunciation focuses on the articulation of English vowels and consonants and on the development of basic English patterns of stress and intonation. Listening stresses understanding verbal instructions and questions, common vocabulary and daily functions in an aural context, main ideas and details in monologues and dialogues. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-92 - Oral Skills II: Intermediate Oral Communication **3 units**

Prerequisite: None

Advisory: Completion of ESL-91 and concurrent enrollment in ESL-53 or 54.

This course develops intermediate conversation, pronunciation, idiomatic and aural comprehension skills. It is intended for non-native speakers of English who can make themselves understood but are not yet proficient in self-expression. Conversational and idiomatic skills focus on fluent and appropriate use of oral communication skills in a variety of social, business and/or academic situations. Pronunciation focuses on clearer articulation of English vowels and consonants and on increased control of the stress, intonation and rhythm of English. Listening comprehension stresses understanding verbal instructions and questions on campus and in the workplace. Students continue to learn appropriate verbal and non-verbal behavior as well as conversation management techniques to exchange ideas in small and large group communication. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-93 - Oral Skills III: Advanced Oral Communication **3 units**

Prerequisite: None

Advisory: Completion of ESL-92 and concurrent enrollment in ESL-54, 55 or ENG-50.

This course develops advanced conversation, pronunciation, idiomatic and aural comprehension skills. Conversational and idiomatic skills focus on increasingly fluent communication and interaction skills in complex speaking situations and comfortable use of English in a variety of situations, both academic and professional. Pronunciation focuses on improved clarity of speech and on increased control of the stress, intonation and rhythm of English. Listening comprehension stresses understanding complex syntax, register, nuance and tone in conversations on campus and in the workplace. Students will learn how to speak at length on a given topic, both prepared and extemporaneous, and to understand the subtleties of conversational English. 54 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass option.)

ETHNIC STUDIES

Ethnic Studies is the multi-disciplinary, humanistic study of American racial and ethnic groups. Ethnic Studies courses may examine theories of identity and/or the historical, sociological, literary, cultural, economic, and political forces that emanate from a perspective of race and racism in America. These forces, traditions, and experiences affecting African Americans, Asian Americans, Chicanos, Latinos, Mexican Americans, Native Americans, and other ethnic minorities provide a cultural framework to study how race, ethnicity, and inequality in America have affected and continued to affect the American way of life.

ANT-4 - Native American Cultures

ANT-5 - Native Peoples of Mexico

ENG-20 - Survey of African American Literature

ENG-25 - Latino Literature of the United States

HIS-8 and 9 - History of the Americas

HIS-14 - African American History I

HIS-15 - African American History II

HIS-31 - Introduction to Chicano/a Studies

SOC-10 - Race and Ethnic Relations

FILM STUDIES

FST-1 - Introduction to Film Studies **3 units**
UC, CSU

Prerequisite: None

Advisory: Eligibility for ENG-1A

An introduction to the movies as an object of academic inquiry. Covers strategies for analyzing the formal elements (mise-en-scene, the shot, editing, and sound) and narrative structures of film. Provides instruction on discussing, researching, and writing about film as a complex form of creative expression rooted within history, society, and culture. Discussion is supported by American and international examples of feature, documentary, and experimental film. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-3 - Introduction to International Cinema 3 units
UC, CSU*Prerequisite: None**Advisory: ENG-50, or ENG-80, or eligibility for ENG-1A*

An introduction to international cinema, focusing upon select films, filmmakers, and national cinemas from outside the United States, ranging from film's earliest decades to the present. Films, filmmakers, and national cinemas are studied in relation to questions of artistry, history, genre, style, culture, and politics. Includes an overview of methodologies for analyzing and researching film. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-4 - Introduction to Film Genres 3 units
UC, CSU*Prerequisite: None**Advisory: EnG-50, or ENG-80, or eligibility for ENG-1A*

An introduction to classical and contemporary film genres, such as the crime film or the musical, within American and international film. Investigates their origins and evolutions, recognizing their role within creative and social expression, and examining their technical and thematic conventions. Includes a survey of representative film genres, movements and styles. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FST-5 - Fiction and Film: Adaptation 3 units
UC, CSU*Prerequisite: None**Advisory: ENG-50, or ENG-80, or eligibility for ENG-1A*

An introductory study of the interplay between twentieth and twentyfirst century literature and film from the point of view of the writer and organized around selected case studies of fiction and/or literary nonfiction adapted into film. Examples of literature and film are used to explore adaptation as a creative process. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIRE TECHNOLOGY**FIT-1 - Fire Protection Organization** 3 units
CSU*Prerequisite: None*

Provides an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service, fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-2 - Fire Behavior and Combustion 3 units
CSU*Prerequisite: None*

Theory and fundamentals of how and why fires start, spread and are controlled; an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents and fire control techniques. Adopted from the National Fire Academy Model Fire Science Associate Degree Curriculum. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-3 - Fire Protection Equipment and Systems 3 units
CSU*Prerequisite: None*

Provides information relating to the features of design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-4 - Building Construction for Fire Protection 3 units
CSU*Prerequisite: None*

This course provides the components of building construction related to firefighting and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations and operating at emergencies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-5 - Fire Prevention 3 units
CSU*Prerequisite: None*

Provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards and the relationship of fire prevention with fire safety education and detection and suppression. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-6 - Fire Apparatus and Equipment 3 units
CSU*Prerequisite: None*

Exposes the student to mechanized equipment operated by the fire service personnel and regulations pertaining to their use. Subject matter includes: driving laws, driving techniques, construction and operation of pumping engines, ladder trucks, aerial platforms, specialized equipment and apparatus maintenance. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-7 - Principles of Fire and Emergency Services Safety and Survival 3 units
CSU*Prerequisite: None*

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services regarding first responder deaths and injuries. 54 hours lecture.

FIT-8 - Strategies and Tactics 3 units
CSU*Prerequisite: None*

Principles of fire control through utilization of manpower, equipment and extinguishing agents, fire command and control procedures; utilization of information on types of building construction in fire control; pre-fire planning; an organized approach to decision making on the fire ground. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-9 - Fire Ground Hydraulics 3 units
CSU*Prerequisite: None*

Provides a review of applied mathematics and hydraulic principles as they relate to fire service applications. Hydraulic formulas will be utilized and mental calculations required. Engine pressure, hose appliances, friction loss and nozzle pressure will be discussed. Adopted from the National Fire Academy Model Fire Science Associate Degree Curriculum. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-14 - Wildland Fire Control 3 units
CSU*Prerequisite: None*

This course provides students with a fundamental knowledge of factors affecting wildland fires including fuel, weather, topography, prevention, fire behavior, public education, and control techniques common to all agencies involved in wildland fire control. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-200 - Fire Technology Work Experience 1-2-3-4 units
CSU**Prerequisite: None**Advisory: Students should have paid or voluntary employment.*

This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

FIT-A1A - Fire Investigation 1A 2 units*Prerequisite: None*

Fundamentals of investigation; causes, chemistry, and physics of fires; collection and preservation of physical evidence; scientific aids; laws relating to arson; case preparation and report writing. The focus of the course is to provide information on fire scene indications and to determine the fire's origin. 40 hours lecture. (Letter Grade, or Pass/No Pass option.)

FIT-C1A - Command 1A, Command Principles for Command Officers 2 units*Prerequisite: None**Advisory: FIT-P1*

Designed to provide fire company officers with information and experience in command and control techniques used at the scene of an emergency. Emphasizes decision making, the act of commanding, the authority, the personnel, organization structure and preplanning and training techniques. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-C1B - Command 1B, Command Operations for the Company Officer 2 units*Prerequisite: FIT-C1A*

This course provides an overview of the considerations specific to a hazardous materials incident, multi-casualty incident, technical rescue and first alarm high-rise structure fire, including the utilization of the incident command system. Each student will have the opportunity to gain experience in a controlled environment through incident simulation. 40 hours lecture. (Letter Grade, or Pass/No Pass option) (Optional State Fire Marshal certification fee: \$80)

FIT-C1C - Command 1C, I-Zone Firefighting for Company Officers 2 units*Prerequisite: None**Advisory: FIT-C1A and C19B*

This course is designed around the responsibilities of the company officer at a wildland/urban interface incident. It will bring the structural company officer out of the city and into the urban interface. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-C2A - Fire Command 2A, Command Tactics at Major Fires 2 units*Prerequisite: None**Advisory: FIT-C1A*

This course prepares the officer to use management techniques and the Incident Command System (ICS) when commanding multiple alarms or large suppression fires. Topics include advanced ICS, tactics and strategies for large suppression operations and communication/ management techniques for use in unified command structures and areas of geographical division separation. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-C2B - Command 2B, Management of Major Hazardous Materials Incidents 2 units*Prerequisite: None**Advisory: FIT-C1B, C2A and C30*

This course provides an Incident Commander with the skills and competency necessary to mitigate an incident, initiate remedial action, and insure the restoration of normal services with a comprehensive resource management approach. The course is also intended to bring the student to the standard of competency established for On-Scene Commander by OSHA's Final Rule 29 CFR 1910.120 and NFPA 472. Students will participate in simulated incident scenarios and justify their actions in a mock civil court setting. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-C2C - Command 2C, High Rise Fire Tactics 2 units*Prerequisite: None**Advisory: FIT-C2A*

This course is approached from a system basis and is applied to both small and large high rise buildings. Topics include: prefire planning, building inventory, problem identification, ventilation methods, water supply, elevators, life safety, strategy and tactics, application of the Incident Command System and specific responsibilities. Case studies and simulation are used. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State

Fire Marshal certification fee: \$80)

FIT-C2D - Command 2D, Planning for Large Scale Disasters **2 units**

Prerequisite: None

Advisory: FIT-C2A and C30

This course is designed for supervisory and managerial fire service personnel. The course critically examines the need for emergency disaster/multi-hazard management systems, preplanning, multidisciplinary work groups while stressing the importance of the integrated team approach to managing emergencies. This course also reviews the Standard Emergency Management System. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-C2E - Fire Command 2E, Wildland Firefighting Tactics **1.5 units**

Prerequisite: None

Advisory: FIT-C1C, C2A and C30

Provides line and staff officers and potential line and staff officers with the knowledge necessary to perform and coordinate in a management/supervisory capacity during an extended wildland fire attack related incident. 24 hours lecture and 16 hours laboratory. (Letter Grade, or Pass/No pass option) (Optional State Fire Marshal certification fee: \$80)

FIT-C19B - Intermediate Wildland Fire Behavior (S-290) **1 unit**

Prerequisite: None

This intermediate course is designed to provide the student with wild land fire behavior knowledge applicable for safe and effective wild land fire management activities. This course introduces students to characteristics and interaction of the wildland fire environment (fuels, weather and topography) that affects wild land fire behavior for safety purposes. 16 hours lecture and 16 hours laboratory. (Letter Grade, or Pass/No Pass option.)

FIT-C30 - Intermediate Incident Command System (I-300) **.5 unit**

Prerequisite: None

This course provides public safety managers and supervisors with the terminology, duties and responsibilities of positions within the Incident Command System. Organizational relationships, flow of information, and emergency incident action planning are topics of discussion. The course provides guidelines for organizational growth during an emergency incident, and demobilization procedures for an emergency incident that is ending. 12 hours lecture and 12 hours laboratory. (Letter Grade, or Pass/No Pass option.)

FIT-C40 - Advanced Incident Command System (I-400) **.5 unit**

Prerequisite: None Advisory: FIT-C30

This course provides public safety managers with the knowledge and skills associated with executive-level authority and decision making within the Incident Command System. Managerial theories, progressive discipline, conflict resolution, and emergency incident action planning will be discussed. This course emphasizes fiscal accountability and responsibility, and allocation

of emergency resources. 8 hours lecture and 8 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$20)

FIT-CFO3A - Human Resources Management Chief Fire Officer **1.5 units**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.) Advisory: FIT-CO2A or Company Officer certification or equivalent

Designed to provide students with knowledge of the human resource requirements related to the roles and responsibilities of a Chief Fire Officer including developing plans for employee accommodations, developing hiring procedures, establishing personnel assignments, and developing a measurable accident and injury program. State Fire Marshal. 28 hours lecture. (Letter Grade or Pass/No Pass Option) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CFO3B - Budget and Fiscal Responsibilities Chief Fire Officer **1 unit**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.) Advisory: FIT-CO2B or Company Officer certification or equivalent

Designed to provide information on the roles and responsibilities of budgeting for a Chief Officer including developing a budget management system, developing a division or department budget and describing the process for ensuring competitive bidding. State Fire Marshal Chief Officer course. 20 hours lecture. (Letter Grade or Pass/ No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CFO3C - General Administration Functions Chief Fire Officer **1 unit**

Prerequisite: None Advisory: FIT-CO2B or Company Officer certification or equivalent

This course provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a Chief Fire Officer including directing a department record management system, analyzing and interpreting records and data, developing a model plan for continuous organizational improvement, developing a plan to facilitate approval, preparing community awareness programs, and evaluating the inspection program of the authority having jurisdiction. State Fire Marshal Chief Officer course. 24 hours lecture. (Letter Grade or Pass/No Pass Option) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CFO3D - Emergency Service Delivery Responsibilities **1 unit**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.) Advisory: FIT-CO2D or Company Officer certification or equivalent

This course provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a Chief Fire Officer including developing a plan for the integration of fire services resources, developing an agency resource contingency plan, evaluating incident facilities, supervising multiple resources, developing and utilizing an incident action plan, obtaining incident information to facilitate transfer of command, developing and conducting post-incident analysis, and maintaining incident records. State Fire Marshal Chief Officer course. 24 hours lecture. (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CO2A - Human Resource Management **2 units**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.)

Designed to provide information for Company Officers on the use of human resources to accomplish assignments, evaluate members performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. State Fire Marsha Company Officer course. 40 hours lecture. (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CFO3B - Budget and Fiscal Responsibilities Chief Fire Officer **1 unit**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.) Advisory: FIT-CO2B or Company Officer certification or equivalent

Designed to provide information on the roles and responsibilities of budgeting for a Chief Officer including developing a budget management system, developing a division or department budget and describing the process for ensuring competitive bidding. State Fire Marshal Chief Officer course. 20 hours lecture. (Letter Grade or Pass/ No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CFO3C - General Administration Functions Chief Fire Officer **1 unit**

Prerequisite: None Advisory: FIT-CO2B or Company Officer certification or equivalent

This course provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a Chief Fire Officer including directing

a department record management system, analyzing and interpreting records and data, developing a model plan for continuous organizational improvement, developing a plan to facilitate approval, preparing community awareness programs, and evaluating the inspection program of the authority having jurisdiction. State Fire Marshal Chief Officer course. 24 hours lecture. (Letter Grade or Pass/No Pass Option) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CFO3D - Emergency Service Delivery Responsibilities **1 unit**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.) Advisory: FIT-CO2D or Company Officer certification or equivalent

This course provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a Chief Fire Officer including developing a plan for the integration of fire services resources, developing an agency resource contingency plan, evaluating incident facilities, supervising multiple resources, developing and utilizing an incident action plan, obtaining incident information to facilitate transfer of command, developing and conducting post-incident analysis, and maintaining incident records. State Fire Marshal Chief Officer course. 24 hours lecture. (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CO2A - Human Resource Management **2 units**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.)

Designed to provide information for Company Officers on the use of human resources to accomplish assignments, evaluate members performance, supervising personnel, and integrating health and safety plans, policies, and procedures into daily activities as well as the emergency scene. State Fire Marsha Company Officer course. 40 hours lecture. (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CO2B - General Administrative Functions **1 unit**

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.)

Designed to provide information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. State Fire Marshal Company Officer course. 20 hours lecture. (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CO2C - Fire Inspections and Investigations 2 units

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.)

Designed to provide information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. State Fire Marshal Company Officer course. 40 hours lecture (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CO2D - All Risk Command Operations 2 units

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.) Advisory: FIT-COH1 and FIT-S3 or the equivalent.

Designed to provide information on conducting incident size-up, developing and implementing an initial plan of action involving single and multiunit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting preincident planning, and develop and conduct a post-incident analysis. State Fire Marshal Company Officer course. 20 hours lecture and 20 hours lab. (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-CO2E - Wildland Incident Operations 1.5 units

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. Advisory: FIT-C19B or the equivalent.

Designed to provide information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources to suppress a wildland fire, establish an incident command post and completing incident records and reports. State Fire Marshal Company Officer course. 28 hours lecture and 12 hours laboratory. (Letter Grade or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-COH1 - Hazardous Materials Incident Commander .5 unit

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. Advisory: Certification in Hazardous Materials First Responder Operational or equivalent.

Designed to provide the tools a person needs to assume control of an emergency response to a hazardous materials incident. It focuses on how to assess hazards, manage risk, comply with legal requirements and implement protective actions. Instructional methods include class activities, case studies and table top exercises with emphasis on hands-on decision-making.

Certification through California Specialized Training Institute. 16 hours lecture. (Letter Grade or Pass/No Pass option.) (Optional certification fee: \$7. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-E2A - First Responder Medical 2 units

Prerequisite: None

This course is specifically designed for pre-hospital emergency medical personnel, with special emphasis on field application practices and techniques vital to the interaction with EMS personnel. 38 hours lecture and 18 hours laboratory.

FIT-INS1 - Instructor I 1.5 units

Prerequisite: None (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.)

Course is based on current National Fire Protection Association (NFPA) Standards which include NFPA 1041, Standard for Fire Instructor Professional Qualifications (2012). 24 hours lecture and 16 hours laboratory. (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-INS2 - Instructor II 1 .5 units

Prerequisite: FIT-INS1 or equivalent. (Note: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes.)

Course is based on current National Fire Protection Association (NFPA) Standards which include NFPA 1041, Standard for Fire Instructor Professional Qualifications (2012). 24 hours lecture and 16 hours laboratory. (Optional State Fire Marshal certification fee: \$80. Completion of this course does not ensure certification from the State Fire Marshal for non-sworn personnel.)

FIT-M1 - Fire Management 1 Management/Supervision for Company Officers 2 units

Prerequisite: None

This course is designed to prepare or enhance the first line supervisor's ability to supervise subordinates. The course introduces key management concepts and practices utilized in the California Fire Service. The course includes discussions about decision making, time management, leadership styles, personal evaluations and counseling guidelines. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-M2A - Management 2A, Organizational Development and Human Relations 2 units

Prerequisite: None. Advisory: FIT-M1

This course provides the student a foundation of: individual behavior, personality and emotions, motivational concepts, individual decisionmaking; group behavior, work teams, group dynamics, group communication, conflict and negotiations, power and politics, leadership and creating trust; and organizational structure, human resources policies and practices, organizational culture and organizational change and development. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State

Fire Marshal certification fee: \$80)

FIT-M2B - Management 2B, Fire Service Financial Management **2 units**

Prerequisite: None. Advisory: FIT-M1

This course is designed to provide insight into the cyclical nature of budgeting financial management. As a management course, the student will become familiar with the essential elements of the financial planning, budget justification and budget controls. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-M2C - Management 2C, Personnel and Labor Relations **2 units**

Prerequisite: None Advisory: FIT-M1

This course is designed to provide the fire manager with advanced knowledge and insight into fire personnel, human resource, diversity management, legal mandates, labor relations and related areas. Methodology will include presentations, case study, exercises and focused discussions. This course is approved by the California State Fire Marshal. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshall certification fee: \$80)

FIT-M2D - Management 2D, Master Planning in the Fire Science **2 units**

Prerequisite: None Advisory: FIT-M1

This course is designed to educate chief officers on the strategic planning process and why each of the steps is critical for success. Although the process may be thought of as extremely complicated, this course will provide advice and tools to assist in the strategic planning process. This course is intended to be consistent with critical elements of the accreditation process and its associated self- assessment manual. 40 hours lecture. (Letter Grade, or Pass/No Pass option.) (Optional State Fire Marshal certification fee: \$80)

FIT-M2E - Ethics and the Challenge of Leadership in the Fire Service **1 units**

Prerequisite: None

In this course, the students will correlate personal core values and characteristics to ethical decisions and behaviors. In addition, the students will explore ethical and principle-centered leadership, including ethical systems, ethical dilemmas, and ethical decisionmaking models. The student will also examine challenges and develop strategies for leading in public-safety organizations serving diverse and dynamic communities. The student will use a variety of learning modalities including case studies, video analysis, and critical thinking scenarios to explore ethics and the challenges of leadership. 40 hours lecture. (Pass/No Pass only) (Optional State Fire Marshal certification fee: \$80)

FIT-M20 - Personal Philosophy-Leadership **2.5 units**

Prerequisite: None

This course will introduce the International Public Safety Leadership and Ethics Institute Program, providing the participant with a deepened understanding of self as it relates to leadership philosophies, knowledge, skills, and abilities. Each participant will explore his or her own core values and begin to develop a personal philosophy of leadership. Through course presentations,

dialogue and learning activities the participant will identify his or her leadership roles in the community to include self, family, professional, and social, as well as define the difference between leaders and managers. The participant will complete self-assessments to gain insights into his or her personal leadership style and characteristics and participate in video and written case studies to further explore his or her understanding of leadership. 45 hours lecture. (Pass/No Pass only)

FIT-M21 - Leading Others Ethically **2.5 units**

Prerequisite: None

This course is the second in the International Public Safety Leadership and Ethics Institute Program. This course is designed to provide the student with the knowledge, skills, and abilities to effectively and ethically lead others. The student will explore various aspects of exercising ethical leadership as they relate to team building, delegating, facilitating conflict resolution, coaching, and mentoring. The student will also gain an understanding of communication processes, empowerment, and leading in an ever- changing and diverse environment. The student will explore various theories of leadership, including situational leadership, transformation leadership, net-centric, and servant leadership. 45 hours lecture. (Pass/No Pass only)

FIT-M22 - Ethical Leadership in Organizations **2.5 units**

Prerequisite: None

This course is the third in the continuing series of the International Public Safety Leadership and Ethics program. The student will explore the leadership process and the leader-follower relationship within organizational settings. Additionally, the influence of organizational culture, values, and contemporary societal issues on leadership effectiveness will be explored as well as the concepts of organizational health, defenses, and change. Students will also explore how a person exercising leadership moves an organization from vision to action. 45 hours lecture. (Pass/No Pass only)

FIT-M23 - Ethics and the Challenge of Leadership **2.5 units**

Prerequisite: None

This course is the fourth and final course in the program of the International public Safety Leadership and Ethics program. The student will correlate personal core values and characteristics to complex ethical decisions and behaviors. In addition, the student will explore ethical and principle-centered leadership, including ethical systems, ethical dilemmas, and ethical decision-making models. The student will also examine challenges and develop strategies for exercising leadership in agency's serving diverse and dynamic communities. 45 hours lecture. (Pass/No Pass only)

FIT-P1 - Prevention 1, Fire and Life Safety Inspections **2 units**

Prerequisite: None

This course introduces the concepts of fire and life safety inspections for Fire Officers and their role in fire prevention. The course examines the relationship between life safety and building construction and introduces effective inspection techniques, including the application of codes and other legal documents used in fire prevention activities. This course is certified by the California State Fire Marshal and meets the requirements for Fire Prevention 1. 36 hours lecture. (Letter Grade, or Pass/No Pass

option.) (Optional State Fire Marshal certification fee: \$80)

FIT-S3 - Basic Firefighter Academy 19 units

Prerequisite: FIT-1 and FIT-S3A

Advisory: ENG-50, MAT-52 and REA-82 or qualifying test scores
Limitation on enrollment: Successful completion of the Certified Physical Abilities Test (CPAT or Biddle) within nine months of the start date of the fire academy and a Fire Academy Medical Clearance once the student has been offered placement in the Fire Academy Program and California Emergency Medical Technician Basic Certification.

Provides individuals with the knowledge and skills to safely perform, under minimal supervision, essential and advanced fire ground tasks. Tasks include basic rescue operations, auto extrication, basic fire suppression, prevention and investigation, Incident Command System (ICS), hazardous materials, and tool selection and identification. Students will also learn to use, inspect and maintain various types of fire fighting and rescue equipment. Completion of this course satisfies the manipulative and academic training requirements as established by the California State Fire Marshal to become certified as a Fire Fighter I. 235 hours lecture and 325 hours laboratory. ((Optional State Fire Marshal certification fee: \$329.60)

FIT-S3A - Introduction to Fire Academy and Physical Conditioning for Fire Academy Students 1.5 units

Prerequisite: None *Limitation on enrollment: Enrollment in this course is contingent upon acceptance into the Basic Fire Academy.*

This course is a six-week physical conditioning and Fire Academy orientation program that prepares future Fire Academy cadets for the physical and emotional demands of the Fire Academy. Students will participate in muscular strength development, cardio- respiratory endurance training, body composition assessment, physical agility and flexibility training. Additionally, students will be introduced to the paramilitary format of the Fire Academy, and the expectations that are placed on Fire Academy cadets. 24 hours lecture and 24 hours laboratory.

FIT-S21 - Public Safety Honor Guard Academy 1.5 units

Prerequisite: None

This course provides individuals with the knowledge and skills to perform, under minimal supervision, basic and essential honor guard drill and funeral management. These shall include basic military drill, ceremonial skills, history of honor and color guards, funeral types and options, pre-funeral preparations, flag etiquette, church and casket procedures and a basic knowledge of the Incident Command System. In addition, students will learn to use, inspect and maintain various types of fire fighting and rescue equipment for ceremonial details. Completion of this course satisfies the manipulative and academic training requirements for the public safety honor guard academy. 18 hours lecture and 30 hours laboratory.

FIT-T11A Training Instructor 1A 1.5 units

Prerequisite: None

The first of a three-course series designed to prepare fire service personnel for the teaching and training responsibilities under the positions of fire officer and training officer. This course required to become a certified instructor for the California State Fire

Marshal's State Fire Training system. 24 hours lecture and 16 hours laboratory. (Optional State Fire Marshal certification fee: \$80)

FIT-T11B Training Instructor 1B 1.5 units

Prerequisite: None *Advisory: FIT-T11A*

The second of a three-course series designed to teach fire service instructors and training officers the methods and techniques of instruction. This course is certified by the California State Fire Marshal, and is applicable to the SFM Fire Officer and SFM Fire Service Instructor tracks of the California State Fire Marshal Professional Development and Certification System. 24 hours lecture and 16 hours laboratory. (Optional State Fire Marshal certification fee: \$80)

FIT-T11C Training Instructor 1C 1.5 units

Prerequisite: None *Advisory: FIT-T11B*

The third of a three-course series for fire service instructors. This course is certified by the California State Fire Marshal, and is part of the professional development track Fire Instructor series within the California State Fire Marshal system. 24 hours lecture and 16 hours laboratory. (Optional State Fire Marshal certification fee: \$80)

GEOGRAPHY

GEG-1 - Physical Geography UC, CSU (C-ID GEOG 110) 3 units

Prerequisite: None

The interacting physical processes of air, water, land, and life which impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

GEG-1H - Honors Physical Geography UC, CSU (C-ID GEOG 110) 3 units

Prerequisite: None

Limitation on enrollment: Enrollment in the Honors Program.

The interacting physical processes of air, water, land, and life which impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. The honors course offers an enriched experience for accelerated students by limited class size, seminar format, student generated and led discussions and projects, the application of higher level thinking, reading, and writing skills– analysis, synthesis, and evaluation. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

GEG-1L - Physical Geography Laboratory UC, CSU (C-ID GEOG 111) 1 unit

Prerequisite: None

Corequisite: Concurrent enrollment in or prior completion of GEG-1 or 1H.

Practical application of scientific principles through geographically based in-class exercises using a variety of tools,

GEG-2 - Human Geography **3 units**
UC, CSU (C-ID GEOG 120)

Prerequisite: None

The geographic analysis of the human imprint on the planet. A study of diverse human populations, their cultural origins, diffusion and contemporary spatial expressions emphasizing demography, languages, religions, urbanization, landscape modification, political units and nationalism, economic systems and development. Emphasis is given to interrelationships between human activities and the biophysical environment. 54 hours lecture.

GEG-3 - World Regional Geography **3 units**
UC, CSU (C-ID GEOG 125)

Prerequisite: None

A study of major world regions, emphasizing current characteristics and issues including cultural, economic, political, and environmental conditions. Topics may include the natural environment, population distribution, cultural practices, political institutions, economic development, agricultural practices, and urbanization. 54 hours lecture.

GEG-7 - Map Interpretation and Analysis **3 units**
UC, CSU

Prerequisite: None

Introduction to maps, images and geographic techniques. Technologies include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), internet mapping, remote sensing and Geographic Information Systems (GIS) that aid in data collection, analysis and presentation. 54 hours lecture.

GEG-8 - Introduction to Geographic Information Systems and Techniques, with Lab **3 units**
UC, CSU

Prerequisite: None

Study of Geographic Information Systems (GIS) science and its applications to spatial data management. Identification and acquisition of GIS data. Assessment of vector and raster systems, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning systems (GPS). Spatial analysis and modeling with GIS. 36 hours lecture and 54 hours laboratory.

GUIDANCE

GUI-45 - Introduction to College **1 unit**
UC*, CSU

Prerequisite: None

Guidance 45 is designed to introduce academic and occupational programs, college resources and personal factors that contribute to success as a college student. This course includes an extensive exploration of Riverside Community College District resources and policies, orientation to college life, student rights and responsibilities, as well as certificates, graduation and transfer requirements. Students will prepare a Student Educational Plan. Outcomes of higher education will be discussed through the exploration and application of sociological and psychological

principles that lead to success in college and in accomplishing goals. As a result of class activities and exploration of factors influencing educational decisions, class members will be able to utilize the information obtained in class to contribute to their college success. 18 hours lecture. (Letter Grade or Pass/No Pass option.)

GUI-46 - Introduction to the Transfer Process **1 unit**
UC*, CSU

Prerequisite: None

Provides an introduction to the transfer process. This course includes an in-depth exploration of transfer requirements, admission procedures, requirements for majors, and financial aid opportunities. The information learned will enable students to make informed choices on majors, four-year institutions and in academic planning. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

GUI-47 - Career Exploration and Life Planning **3 units**
UC*, CSU

Prerequisite: None

In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture

GUI-48 - College Success Strategies **2 units**
UC*, CSU

Prerequisite: None

This comprehensive course integrates personal growth and values, academic study strategies and critical thinking techniques. Students will obtain skills and personal/interpersonal awareness necessary to succeed in college. 36 hours lecture.

GUI-48A - College Success Strategies- Study Skills **1 unit**
UC, CSU

Prerequisite: None

This course is designed to increase the student's success in college by assisting the student in obtaining study skills necessary to reach educational and career goals. Topics include time management, test taking and study techniques. GUI-48A is equivalent to the first half of GUI-48. 18 hours lecture.

HEALTH SCIENCE

HES-1 - Health Science **3 units**
UC, CSU

Prerequisite: None

This course is a general education course that offers a basic study of human health and health care as revealed in the anatomy and physiology of the body, nutrition, exercise, stress management, weight management, protection from degenerative and communicable diseases, personal safety, environmental health, and professional medical care. The scientifically discussed

dimensions of wellness include body, mind and spirit. Students will explore making responsible decisions regarding all aspects of healthy life style including getting fit, disease prevention and treatments, substances use and abuse, human sexuality, and selection of health providers. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification. 54 hours lecture.

HEALTHCARE TECHNICIAN

HET-79 - Introduction to Healthcare Careers 2 units

Prerequisite: None

Provides an overview of healthcare industry, describes entry-level occupations and outlines related career ladder. Explores professional and educational options. Focuses on developing competencies and skills required for success in healthcare professions. Includes ethical, legal, developmental and sociocultural foundations of care. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

HET-80 - Certified Nurse Assistant Theory and Practices 6 units

Prerequisite: None

Limitation on enrollment: Requires fingerprinting and submission of application for state certification examination, current CPR certification and titers, medical clearance from healthcare provider, uniform and MVC HET I.D. badge.

Provides theoretical and clinical laboratory components of statemandated curriculum required to take the state certification examination for nurse assistants. Complies with federal regulations for preparing healthcare workers in long-term care settings. Focuses on the role, performance and responsibilities of certified nurse assistants (CNAs) as members of the healthcare team. Requires evaluation of clinical performance through demonstrated competence on identified skills. 72 hours lecture and 108 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

HET-82 - Phlebotomy Technician 5 units

Prerequisite: None

Advisory: The California Department of Health Services requires that applicants for certification as a phlebotomist have a high school diploma or equivalent and the ability to obtain and process official documents in English. Limitation on enrollment: Prior to beginning of clinical laboratory component, requires evidence of current CPR certification and titers, and medical clearance from healthcare provider to be on file in the department office; clinical laboratory experience requires wearing a green scrubs uniform and MVC/RCC HET I.D. badge.

Provides theoretical and laboratory preparation for entry level certification as a phlebotomy technician; includes overview of federal and state regulations governing clinical laboratories; focuses on vascular anatomy and physiology and performance of venipuncture and dermal puncture techniques, describes additional responsibilities of phlebotomy technicians as members of the health care team; requires demonstration of skill competency. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

HET-86 - Acute Care Nurse Assistant 1 unit

Prerequisite: HET-80. (Evidence of Certification as a Nurse Assistant also acceptable.) Limitation on enrollment: Current CPR certification and titers, medical clearance from healthcare provider and uniform with MVC/ RCC HET I.D. badge.

Designed to assist Certified Nurse Assistants in adapting their nursing skills to the requirements of clients in acute care settings. Includes demonstration of required skills and supervised practice in acute care clinical settings. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

HET-87 - Restorative Nurse Assistant 2 units

Prerequisite: HET-80. (Evidence of Certification as a Nurse Assistant also acceptable.) Limitation on enrollment: Current CPR certification and titers, medical clearance from healthcare provider and uniform with MVC/ RCC HET I.D. badge.

Prepares Certified Nurse Assistants (CNAs) for career advancement as Restorative Nurse Assistants (RNAs.) Provides overview of rehabilitative and restorative nursing care. Focuses on the roles and responsibilities of RNAs. Includes discussion of federal and state regulations, principles of rehabilitative and restorative care and supervised clinical practice in long-term care settings. 28 hours lecture and 28 hours laboratory. (Letter Grade, or Pass/No Pass option.)

HISTORY

HIS-1 - History of World Civilizations I 3 units UC, CSU (C-ID HIST 150)

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

A survey of the historical development of global societies, major social, political and economic ideas and institutions from their origins until the 16th century. Principal areas to be covered are: African civilizations of the Nile and sub-Saharan areas, Mesopotamian civilizations, Greek and Roman civilizations, Medieval and Reformation Europe, the Indus River, China and Japan. 54 hours lecture.

HIS-2 - History of World Civilizations II 3 units UC, CSU (C-ID HIST 160)

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

A survey of the evolution of modern world civilizations from the 16th century emergence of new global, political, economic, social and intellectual patterns, through the era of industrialization and imperialism, to the world wars of the 20th century and the present. 54 hours lecture.

HIS-4 - History of Western Civilization I 3 units UC, CSU (C-ID HIST 170)

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

A survey of the historical development of Western society's major social, political, and economical ideas and institutions from their origins in the ancient Middle East, Greece and Rome, through the European Middle Ages, to the Protestant and Catholic Reformations. 54 hours lecture.

HIS-5 - History of Western Civilization II 3 units
UC, CSU (C-ID HIST 180)*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

A survey of the evolution of modern Western ideas and institutions from the age of the Scientific Revolution, through the Democratic and Industrial Revolutions and the World Wars to the present. 54 hours lecture.

HIS-6 - Political and Social History of the United States 3 units
UC, CSU (C-ID HIST 130)*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

Political, social and economic development of the United States from colonial foundations to 1877; the evolution of American thought and institutions; principles of state and local government. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.

HIS-6H - Honors Political and Social History of the United States 3 units
UC, CSU (C-ID HIST 130)*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

Limitation on enrollment: Enrollment in the Honors Program. Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. The honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.

HIS-7 - Political and Social History of the United States 3 units
UC, CSU (C-ID HIST 140)*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institutions; principles of national, state and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

HIS-7H - Honors Political and Social History of the United States 3 units
UC, CSU (C-ID HIST 140)*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

Limitation on enrollment: Enrollment in the Honors Program. Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institutions; principles of national, state and local government. The honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking, skills. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

HIS-11 - Military History of the United States to 1900 3 units
(Same as MIL-1)

UC, CSU

*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

An examination of the evolution of American military and naval practices and institutions as they have developed through the major wars involving the United States up to 1900. The roles of leadership and technology and their impact upon the art of war will also be discussed. 54 hours lecture.

HIS-12 - Military History of the United States Since 1900 3 units
(Same as MIL-2) UC, CSU*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

An examination of the evolution of military and naval practices and institutions as they have developed through major wars of the twentieth century, with emphasis upon two world wars. The roles of leadership and technology and their impact upon the art of war will also be discussed. 54 hours lecture.

HIS-14 - African American History I 3 units
UC, CSU*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

A selected study of the complex continent from which African Americans came with special emphasis on the historical, political and socioeconomic aspects of African civilizations in Egypt and the western Sudan; the transformation of the continent and of Africans through the transatlantic slave trade; and a study of the African American experience during their confinement as slaves in British North America and the early national and antebellum periods through the Civil War and Emancipation. 54 hours lecture.

HIS-15 - African American History II 3 units
UC, CSU*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

A study of the economic, political, social and cultural history and traditions of African Americans since Reconstruction. An examination of African American struggle for identity and status since the late 19th century including: concepts of integration, segregation, accommodation, nationalism, separatism, Pan Africanism; social forces of Jim Crow, Great Migration, Harlem Renaissance, legislative and political action, Civil Rights Revolution and concerns of post-civil rights era. 54 hours lecture.

HIS-21 - History of Ancient Greece 3 units
UC, CSU*Prerequisite: None**Advisory: Qualification for ENG-1A*

A survey of Greek history from Minoan and Mycenaean civilizations through the Hellenistic period. Emphasizes the development of Greek culture from its earlier Mediterranean origins through the development of Athenian democracy and Alexander's conquest. 54 hours lecture.

HIS-22 - History of Ancient Rome 3 units

UC, CSU

*Prerequisite: None**Advisory: Qualification for ENG-1A*

A lecture course offering an overview of Roman history and civilization from the legendary founding of Rome in 753 BCE to the collapse of the Roman Empire's central administration in the West in 476 CE. 54 hours lecture.

HIS-26 - History of California 3 units

UC, CSU

Prerequisite: None

A history of California from the pre-Columbian period to the present, with emphasis on the period since statehood in 1850. 54 hours lecture.

HIS-31 - Introduction to Chicano/a Studies 3 units

UC, CSU

*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

A survey of regional Chicano/a population historical and cultural roots, and social problems from the Spanish and Mexican colonial period to the present. Included is an examination of the principles of state and local government as well as political, economic and social forces as they relate to contemporary Chicano/a problems. Considers the Constitution of the United States and its relevance to the Chicanos in America's second largest minority group. 54 hours lecture.

HIS-34 - History of Women in America 3 units

UC, CSU

*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

A survey of the political, social, and cultural institutions which have shaped the role and character of women in America. The historical role of women in the development of the nation, and the ongoing struggle to achieve political, economic, and social equality will be examined. 54 hours lecture.

HIS-35 - History of England 3 units

UC, CSU

*Prerequisite: None**Advisory: Qualifying reading placement level.*

A historical survey of developments of the major social, political, and economic ideas and institutions of England from the Roman occupation, the coming of the Anglo-Saxons, and the Norman Invasion, the Tudor and Stuart reigns, the Age of the Enlightenment, and modern England. 54 hours lecture.

HOMELAND SECURITY
HLS-1 - Introduction to Homeland Security 3 units

CSU

Prerequisite: None

Course is designed to introduce students to a comprehensive overview of homeland security from an all-hazard, multidisciplinary perspective. Students will examine threats to homeland security, including natural and technological disasters, as well as acts of domestic and international terrorism, including weapons of mass destruction. Students will review the roles and responsibilities of government agencies, private organizations,

and individual citizens in homeland security including but not limited to law enforcement, fire, EMS, public health, education, mental health, and special districts (water, utilities, sanitation). Students will meet the state and federal requirements for certification in SEMS/ NIMS by completing: IS 100 (Introduction to Incident Command, IS 200 (ICS for Single Resources and Initial Action Incidents, IS 700 (National Incident Management System: An Introduction and IS 800 (National Response Plan: An Introduction. 54 hours lecture.

HLS-2 - Preparedness for Emergencies, Disasters and Homeland Security Incidents 3 units

CSU

Prerequisite: HLS-1

This course is designed to instruct students in the theory and practice of basic preparedness for major incidents such as terrorist attacks, disasters both natural and man-made. Students will receive a comprehensive examination of mitigation and preparation from a multi-disciplinary perspective. Specific topics of discussion include trainings and exercises, supplies and equipment and necessary documentation. 54 hours lecture.

HLS-3 - Response to Emergencies, Disasters and Homeland Security Incidents 3 units

CSU

Prerequisite: HLS-1

This course is designed to instruct students in the theory and practice of response to major incidents such as terrorist attacks and disasters both natural and man-made. Students will undertake a comprehensive examination of response structure from local, state and Federal agency perspectives. Specific topics of discussion include differences in roles and responsibilities, Incident Command System, communication among response agencies and the role of volunteer agencies in response. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

HLS-4 - Recovery in Emergencies, Disasters and Homeland Security Incidents 3 units

CSU

Prerequisite: HLS-1

This course is designed to introduce students to recovery issues that may ensue following a disaster, emergency, or homeland security incident. Students will conduct a comprehensive, examination of recovery from a multi-disciplinary perspective. Specific topics of discussion and analysis include recovery planning, supplies and equipment and necessary documentation. 54 hours lecture.

HLS-5 - Investigation of Emergencies, Disasters and Homeland Security Incidents 3 units

CSU

Prerequisite: HLS-1

This course is designed to instruct first responders, emergency personnel and community members in the theory and practice of basic investigative techniques, challenges and strategies for major incidents such as terrorist attacks, man made and natural disasters. Students will receive a comprehensive examination of investigation from a multidisciplinary perspective. Specific topics of discussion include different types of investigations, legal issues, resources and necessary documentation. 54 hours lecture.

HLS-6 - Case Studies in Emergencies, Disasters and Homeland Security Incidents 3 units
CSU

Prerequisite: HLS-1

This course is designed to introduce students to case studies of historical emergencies, disasters and Homeland Security incidents and how they relate to preparedness for future events. Students will focus on a variety of case studies from an all-hazard, multidisciplinary perspective. Students will examine case studies covering both current and historical events, including disasters and terrorist events, and responses at local, state, national and international levels. Students will evaluate the lessons learned from these events and their impact on society and current policy. 54 hours lecture

HUMAN SERVICES

HMS-4 - Introduction to Human Services 3 units
CSU

Prerequisite: None

This is an introductory course for students interested in a career in Human Services. Covers the history of Human Services, types and functions of Human Services agencies, careers in Human Services, skills utilized in the Human Services professions, ethics, current trends and issues, human need theory and selfsupport techniques for Human Services workers. 54 hours lecture.

HMS-5 - Introduction to Evaluation and Counseling 3 units
CSU

Prerequisite: None

This is an introduction to the basic skills and techniques of evaluation and counseling. Course covers listening, responding, building trust, questioning, assessment, reflecting strengths, referral, values and ethics. Designed for professionals and paraprofessionals in Human Services positions and students preparing for a career in Human Services. 54 hours lecture.

HMS-6 - Introduction to Case Management 3 units
CSU

Prerequisite: None

An introductory course that familiarizes students with the basic concepts and skills of case management. Designed to provide students with knowledge and skills that can be applied to a variety of Human Service settings. 54 hours lecture.

HMS-7 - Introduction to Psychosocial Rehabilitation 3 units
CSU

Prerequisite: None

An introduction to the principles and practices providing support services to persons with psychiatric disabilities who are undergoing rehabilitation and transitioning to recovery. Includes the theory, values and philosophy of psychosocial rehabilitation, diagnostic categories and symptoms of mental illnesses, development of support systems, disability management and approaches to service delivery, skills and ethics. 54 hours lecture.

HMS-8 - Introduction to Group Process 3 units
CSU

Prerequisite: None

An introduction to the theory and dynamics of group interaction including psychoeducational, support and therapeutic context. The various stages and processes of group development are studied using both a conceptual and experiential approach. This course is intended to assist persons who will function as leaders in a variety of small groupsituations. 54 hours lecture.

HMS-13 - Employment Support Strategies 3 units
CSU

Prerequisite: None

An introductory course for those who are either working or preparing to work in Human Service agencies and other settings which assist individuals in securing and maintaining employment. Principles of employment support services, assessment for work readiness, identification of strengths, removal of employment barriers, identification of community training and employment resources, job search and match, job coaching and support planning are emphasized. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

HMS-14 - Job Development 3 units
CSU

Prerequisite: None

An introduction to the theory, skills and practices used by job developers to successfully place individuals in jobs. Includes principles of job development, marketing, networking with employers, presentation skills, career counseling, vocational assessment and job match, placement and retention. 54 hours lecture

HMS-16 - Public Assistance and Benefits 1 unit
CSU

Prerequisite: None

A course which provides an introduction and overview of public assistance and benefits available under local, state and federal programs. Examines eligibility requirements and methods used to evaluate applications for selected benefit programs. Includes application of economics, legal and ethical principles related to administration of public assistance. 18 hours lecture. (Letter Grade or Pass/No Pass option.)

HMS-17 - Introduction to Public Mental Health 3 units
(Same as SOC- 17)
CSU

Prerequisite: None

An introductory course for students interested in public mental health. An overview of the history of public mental health, the types and functions of agencies, practices, careers, professional ethics, current trends and issues is provided. 54 hours lecture.

HMS-18 - Introduction to Social Work 3 units
CSU

Prerequisite: None Advisory: ENG-1A or 1AH

Study of theory and principles of generalist social work practice within an ecological framework. Introduction to the generalist intervention model across the micro, mezzo, macro continuum. Introduction to professional social work values and ethics, and

issues of diversity underlying generalist practice. 54 hours lecture.

HMS-19 - Generalist Practices of Social Work **3 units**
CSU

Prerequisite: None Advisory: ENG-1A or 1AH

The course emphasizes generalist engagement, assessment, planning intervention, evaluation, termination and follow-up across the micromacro continuum. Special attention is given to the bio-psychosocial spiritual assessment, child abuse assessment, suicide assessment, crisis intervention and content on diversity, oppression and social justice. 54 hours lecture.

HMS-200 - Human Services Work Experience **1-2-3-4 units**
CSU*

Prerequisite: None

Advisory: Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option)

HUMANITIES

HUM-4 - Arts and Ideas: Ancient World through the Late Medieval Period **3 units**

UC, CSU

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, and religion of Western Civilization. The cultural achievements of the ancient world and the middle ages are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. Students may not receive credit for both HUM-4 and HUM-4H. 54 hours lecture.

HUM-4H - Honors Arts and Ideas: Ancient World through the Medieval Period **3 units**

UC, CSU

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

Limitation on enrollment: Enrollment in the Honors Program. An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, and religion of Western Civilization. The cultural achievements of the ancient world and the middle ages are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. The honors course offers an enriched experience for accelerated students by means of limited

class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher level thinking and writing skills—analysis, synthesis, and evaluation. Students may not receive credit for both HUM-4 and HUM-4H. 54 hours lecture.

HUM-5 - Arts and Ideas: The Renaissance through the Modern Era **3 units**

UC, CSU

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-Modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.

HUM-5H - Honors Arts and Ideas: The Renaissance through the Modern Era **3 units**

UC, CSU

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

Limitation on enrollment: Enrollment in the Honors Program. An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-Modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. The honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills—analysis, synthesis, and evaluation. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.

HUM-8 - Introduction to Mythology **3 units**
(Same as ENG-8) UC, CSU

Prerequisite: None

Advisory: REA-83 and ENG-1B or 1BH

A study of Greco-Roman and other mythological traditions. Emphasizes the historical sources and cultural functions of myths and legends in ancient societies and their continuing relevance to modern thought and culture. 54 hours lecture.

HUM-10 - World Religions **3 units**
UC, CSU

Prerequisite: None

Advisory: REA-83 and qualification for ENG-1A

Thought and concepts of the major religious systems, including primal religions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture

HUM-10H - Honors World Religions **3 units**
UC, CSU*Prerequisite: None**Advisory: REA-83 and qualification for ENG-1A*

Limitation on enrollment: Enrollment in the Honors Program. Thought and concepts of the major religious systems, including primal religions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. This honors course offers an enriched experience for students through limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation and the application of higher level thinking and writing skills – analysis, synthesis and evaluation. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours of lecture.

HUM-23 - The Bible as Literature **3 units**
(Same as ENG-23) UC, CSU*Prerequisite: None**Advisory: ENG-1B or 1BH and REA-83*

A survey of the Hebrew Bible and New Testament with emphasis on literary form, styles, and themes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

HUM-35 - Philosophy of Religion **3 units**
(Same as PHI-35)
UC, CSU*Prerequisite: None**Advisory: PHI-10 or 10H or 11 and REA-83 and qualification for ENG-1A.*

An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture.

Additional Humanities Courses

Examples of courses which are often classified as Humanities by other colleges and universities are:

ART-1, 2, 2H - History and Appreciation of Art**ENG-6, 7 - English Literature****ENG-14, 15 - American Literature****ENG-40, 41 - Masterpieces of World Literature****MUS-19, 19H, 20, 21 - Music History and Literature****Any Philosophy course****See also Humanities A.A. Degree requirements****INTERDISCIPLINARY STUDIES****ILA-1 - Introduction to Tutor Training I** **1 unit**
*Prerequisite: None**Advisory: Qualification for ENG-1A*

Introduction to tutoring, with an emphasis on tutoring strategies, learning styles, problem solving, and working with diverse student populations. Designed to prepare students to become peer tutors in a variety of subject areas. Tutors develop student-centered, non-intrusive tutoring skills to meet a wide variety of student needs. Topics include theory, practice and ethics of tutoring, interpersonal communications techniques, tutoring diverse student

populations, and group tutorial methods and practical field work. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

ILA-5 - Service Learning and Community Involvement **1-2-3-4 units***Prerequisite: None*

Examines and addresses community need through service learning. Permits exploration of discipline and/or career specific interests and options through direct interface with community entities. Enriches personal and career development through the understanding of civic and social issues. Students may earn up to 4 units each semester for a maximum of 16 units. No more than 15 hours per week of volunteer work may be applied toward the service learning requirement; 60 hours of volunteer work in the semester is required for each unit. 9 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option)

JOURNALISM**JOU-1 - Introduction to Journalism** **3 units**
CSU (C-ID JOUR 110)*Prerequisite: None Advisory: ENG-1A or 1AH*

An introduction to gathering, synthesizing/organizing, and writing news in journalistic style across multiple platforms. Includes role of the journalist and related legal and ethical issues. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline, and use of AP Style. 54 hours lecture.

JOU-2 - Intermediate Reporting/News Writing **3 units**
CSU (C-ID JOUR 210)*Prerequisite: JOU-1*

This course is a continuation of the introductory news writing/reporting courses and focuses on coverage of public affairs beats, including local and regional government, police, courts, and school and city boards. It includes both on- and off- campus reporting and writing/news presentation for a variety of news purposes and through multiple platforms. 54 hours lecture.

JOU-7 - Mass Communications **3 units**
UC, CSU (C-ID JOUR 100)*Prerequisite: None*

Survey of mass communication and the interrelationships of media with society including history, structure, and trends in a digital age. Discussion of theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. 54 hours lecture.

JOU-20A - Newspaper: Beginning **3 units**
CSU (C-ID JOUR130)*Prerequisite: None*

Advisory: ENG-1A or ENG-1AH and/or JOU-1 and/or PHO-8 Beginning-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory. (TBA option)

JOU-20B - Newspaper: Intermediate CSU 3 units*Prerequisite: JOU-20A*

Intermediate-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory. (TBA option)

JOU-20C - Newspaper: Advanced CSU 3 units*Prerequisite: JOU-20B*

Advanced-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory. (TBA option)

JOU-20D - Newspaper: Professional CSU 3 units*Prerequisite: JOU-20C*

Professional-level college newspaper production with an emphasis on both theory and practice. Qualified students may serve in various capacities, ranging from writing to photography to art. Students may not take JOU-20 and/or JOU-20A/B/C/D for more than a combined total of four times. 27 hours lecture and 81 hours laboratory. (TBA option)

JOU-200 - Journalism Work Experience CSU* 1-2-3-4 units*Prerequisite: None**Advisory: Students should have paid or voluntary employment.*

This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option)

Also see PHOTOGRAPHY**KINESIOLOGY****(formerly Physical Education-PHP)**

It is recommended that students enroll in kinesiology activity courses or academic Kinesiology courses (that satisfy the Self Development requirement of the Associate of Arts Degree during the first two semesters of full-time enrollment until the two or three unit requirement is completed. For further information, students should read the Associate of Arts Degree requirements in this catalog.

UNIFORMS—Students are requested to wear attire appropriate to the activity as requested by the instructor.

LOCKERS—Lockers are available for student use and students will supply their own locks.

ACADEMIC COURSES**KIN-4 - Nutrition UC, CSU 3 units***Prerequisite: None*

The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

KIN-10 - Introduction to Kinesiology UC, CSU (C-ID KIN 100) 3 units*Prerequisite: None*

This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the subdisciplines in Kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health and fitness professions. 54 hours lecture.

KIN-12 - Sport Psychology UC, CSU 3 units*Prerequisite: None*

This course links research in sport psychology with techniques to implement the research in real world settings. This course describes, explains and applies sport psychology concepts and theories to practical experiences. 54 hours lecture.

KIN-30 - First Aid and CPR UC, CSU (C-ID KIN 101) 3 units*Prerequisite: None*

This course involves the theory and detailed demonstration of first aid of the injured by the citizen responder. Students will learn how to assess a victim's condition and incorporate proper treatment. Students who successfully pass all National Safety Council requirements will receive a National safety council Advanced First Aid Certificate. Students who successfully pass all American Heart Association requirements will receive a Healthcare Professional CPR Certificate. A fee of \$20 for required certificates will be charged to the student and is not covered by BOGW. 54 hours lecture.

KIN-35 - Foundation for Fitness and Wellness UC, CSU 3 units*Prerequisite: None*

This course will provide students with the ability to make informed choices and to take responsibility for those choices in the areas of fitness, nutrition and stress management. Emphasis is on the application of health and physical fitness principles. Each student will develop a personalized plan for the overall maintenance of their own wellness. 36 hours lecture and 54 hours laboratory. (TBA option)

ACTIVITY COURSES

Besides fulfilling the Self Development requirement, activity classes can be used as electives for the Associate of Arts Degree and the Associate of Science Degree.

KIN-A40 - Karate, Beginning **1 unit**
UC*, CSU

Prerequisite: None

This course in beginning karate will develop the basic skills needed for the art of unarmed self-defense. This includes the use of blocking, shifting, punching, striking, and kicking. Karate will also develop speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control. Karate is a physical art and a sport that anyone, irrespective of size, age, or sex, can practice according to his or her own capabilities. KIN- A40, A41, A43, and A44 are courses related in content and are limited in enrollment according to Title 5, section 55040. (MR) KIN-A40, and A41 are courses related in content and are limited in enrollment according to Title 5, section 55040. (N) For further information see section VIII regarding course repetition. 54 hours laboratory.(Letter Grade, or Pass/No Pass option)

KIN-A41 - Karate, Intermediate **1 unit**
UC*, CSU

Prerequisite: None

Advisory: Course is designed for students with proficient skills in blocking, shifting, punching, striking and kicking and the knowledge of basic katas or for those who have completed KIN-A40.

This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self defense, and learn basic skills in kumite (free fighting). KIN-A40 and A41 are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

KIN-A46 - Hatha Yoga, Beginning **1 unit**
UC*, CSU

Prerequisite: None

This course offers beginning Hatha yoga exercises to improve students' physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

KIN-A47 - Hatha Yoga, Intermediate **1 unit**
UC*, CSU

Prerequisite: None Advisory: KIN-A46

This course offers intermediate Hatha yoga exercises to improve students' physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII

regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A64 - Soccer **1 unit**
UC*, CSU

Prerequisite: None

This course is designed to introduce students to the rules, basic skills, and offensive/defensive strategy in soccer. Emphasis will be placed on improving individual skills and applying these skills to game situations. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A75A - Walking for Fitness: Beginning **1 unit**
UC*, CSU

Prerequisite: None

This course is designed for all students with an emphasis on cardiovascular fitness, setting personal fitness goals and understanding the physiological benefits of a walking program. Walking programs will be established to improve cardiorespiratory endurance. KIN-A75A and A75B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

KIN-A75B - Walking for Fitness: Intermediate **1 unit**
UC*, CSU

Prerequisite: None Advisory: KIN-A75A

This course is designed for students of intermediate fitness levels who would like to enhance and improve their cardiovascular fitness, basic strength and flexibility with more advanced walking strategies. Intermediate walking techniques will be utilized in establishing walking programs designed to promote improvements in cardiorespiratory endurance and body composition. KIN-A75A and A75B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter grade or Pass/No Pass option.)

KIN-A81A - Physical Fitness, Beginning **1 unit**
UC*, CSU

Prerequisite: None

This course is designed to give the student an overview of the basic concepts that affect total fitness. Personalized exercise programs in cardiovascular endurance, muscular strength, muscular endurance and flexibility will be developed. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (TBA option) (Letter Grade, or Pass/ No Pass option.)

KIN-A81B - Physical Fitness, Intermediate **1 unit**
UC*, CSU

Prerequisite: None

This course is designed to provide nutritional, cardiovascular, strength, flexibility and assessment concepts to enhance the personalized exercise program. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII

regarding course repetition. 54 hours laboratory. (TBA option)
(Letter Grade, or Pass/No Pass option)

KIN-A86 - Step Aerobics **1 unit**
UC*, CSU

Prerequisite: None

Students will develop strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness with the use of the step unit in an aerobic format. This course is designed to introduce basic fitness concepts as well as basic movement skills and exercise. KIN-A86, A87, and A88 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

KIN-A87 - Step Aerobics, Intermediate **1 unit**
UC*, CSU

Prerequisite: None

Advisory: KIN-A86 or proficient skills in step aerobics.

This course will broaden students' aerobic experience using intermediate step combinations and various class formats such as circuit training and interval step. The students will be exposed to choreography that will improve their balance, coordination and memory skills. Students will improve their cardiovascular fitness and aerobic endurance. KIN-A86, A87, and A88 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

KIN-A88 - Step Aerobics, Advanced **1 unit**
UC*, CSU

Prerequisite: None

Advisory: KIN-A87 or proficient skills in step aerobics.

For students who have already taken Physical Education A87, this course will broaden their aerobic experience using advanced step combinations and various class formats such as circuit training and interval step. The students will be exposed to challenging choreography, which will improve their balance, coordination, and memory skills. Using the FIT principle of Frequency, Intensity, and Time, students will improve their cardiovascular fitness and aerobic endurance by increasing the intensity of the movements and the length of the aerobic segment. KIN-A86, A87, and A88 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

KIN-A89A - Beginning Body Sculpting **1 unit**
UC*, CSU

Prerequisite: None

Students will develop muscular strength and endurance along with flexibility using a variety of hand weights, body bars, elastic bands and exercise balls. Emphasis is placed on safety and proper technique while training basic muscle groups. KIN-A81, A89A, A89B, and A89C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A89B - Intermediate Body Sculpting **1 unit**
UC*, CSU

Prerequisite: KIN-A89A

Students will increase and maintain their body development through core strength, resistance and endurance training, along with body sculpting techniques. Personal fitness plans will be developed and incorporated based on personal health and fitness. Emphasis is placed on safety, core strength and major and minor muscle groups. KIN-A81, A89A, A89B, and A89C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

KIN-A89C - Advanced Body Sculpting **1 unit**
UC*, CSU

Prerequisite: KIN-A89B

Students will develop personal and nutritional lifetime fitness goals and create a lifetime fitness plan. Muscular strength, cardiovascular endurance, flexibility and aerobic fitness will be developed and assessed. Emphasis will be placed on safety, proper body alignment and major and minor muscle groups. KIN-A81, A89A, A89B, and A89C are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

LIBRARY

LIB-1 - Introduction to Information Literacy **1 unit**
UC, CSU

Prerequisite: None

Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats, both online and in print, to answer research questions and develop new ones. Through the use of information retrieval systems students will develop an understanding of and practices for the legal access to and ethical use of information. 18 hours lecture. (Letter Grade, or Pass/No Pass option)

MANAGEMENT

MAG-44 - Principles of Management **3 units**
CSU

Prerequisite: None

For those who are in management, preparing for a potential promotion or interested in the management process. Includes the primary functions of planning, organizing, controlling and leading as well as related skills such as team development, motivation and communication techniques, and quality management. Also social responsibility and a global perspective are emphasized. 54 hours lecture.

MAG-47 - Applied Business and Management Ethics **3 units**
(Same as BUS-47) CSU

Prerequisite: None

An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

MAG-51 - Elements of Supervision 3 units*Prerequisite: None*

Gives an overview of responsibilities of a supervisor in industry including organizational structure, training, work assignments, productivity, quality control, evaluations, and management-employee relations. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

**MAG-56 - HRM: Human Resources Management 3 units
CSU***Prerequisite: None*

Examines the manager's responsibility for implementing human resources applications involving the selection, training, evaluation, motivation and promotion of personnel. Compares and contrasts alternatives leading to innovative and socially responsible solutions to current employee relations issues with the workplace. 54 hours lecture. (Letter Grade only)

**MAG-200 - Management Work Experience 1-2-3-4 units
CSU****Prerequisite: None*

Advisory: Students should have paid or voluntary employment. This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option)

MARKETING**MKT-20 - Principles of Marketing 3 units
CSU***Prerequisite: None**Advisory: BUS-10*

Examines the role of marketing as it relates to society and economic development. The course will analyze products, consumer, marketing research, and strategic market planning. The course will survey, with a global perspective, the selection of target markets as well as the development of the marketing mix - place, product, price and promotion. 54 hours lecture.

MKT-40 - Advertising 3 units*Prerequisite: None*

Economic, professional, persuasive and technical aspects of advertising, publicity and propaganda, and their relation to sociology and psychology. Campaign organization, research, and media of communication. Analysis and discussion of situation problems, mass motivation, consumer action and legal restraints. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

**MKT-41 - Techniques of Selling 3 units
CSU***Prerequisite: None*

Examines the key topics of how to locate, qualify and approach prospects; how to deliver the sales presentation, how to meet objections and how to close the sale. The analysis of behavioral, ethical and philosophical factors as applied to the selling function globally. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

**MKT-42 - Retail Management 3 units
CSU***Prerequisite: None*

Merchandising analysis of the changing concepts and business objectives of retailing. Management philosophies, strategies, and functions (from individual to multi-unit firms). Social and economic forces on decisions concerning location and operational policies. Analysis of forms of retailing, such as foods, motels, service stations, and direct channels. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

**MKT-200 - Marketing Work Experience 1-2-3-4 units
CSU****Prerequisite: None**Advisory: Students should have paid or voluntary employment.*

This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option)

MATHEMATICS**MAT-1A - Calculus I 4 units
UC*, CSU****(C-ID MATH 210) (C-ID MATH 900S=MAT-1A + MAT-1B)***Prerequisite: MAT-10 or qualifying placement level.*

Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**MAT-1B - Calculus II 4 units
UC, CSU****(C-ID MATH 220) (C-ID MATH 900S=MAT-1A +MAT-1B)***Prerequisite: MAT-1A*

Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option)

MAT-1C - Calculus III **4 units**
UC, CSU

(C-ID MATH 230)

Prerequisite: MAT-1B

Vectors in a plane and in space, vector functions, calculus on functions of multiple variables, partial derivatives, multiple integrals, line and surface integrals, Green's theorem, Stokes' theorem, Divergence theorem, and elementary applications to the physical and life sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-2 - Differential Equations **4 units**
UC, CSU

(C-ID MATH 240)

Prerequisite: MAT-1B

This is a course in differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exists, and techniques for obtaining solutions, including linear first and second order differential equations, series solutions, Laplace transforms, linear systems, and elementary applications to the physical and biological sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-3 - Linear Algebra **3 units**
UC, CSU

(C-ID MATH 250)

Prerequisite: MAT-1B

This course examines elementary vector space concepts and geometric interpretations and develops the techniques and theory to solve and classify systems of linear equations. Solution techniques include Gaussian and Gauss-Jordan elimination, Cramer's rule and inverse matrices. Investigates the properties of vectors in two, three and finite dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as determinants, linear independence, bases and dimension of a vector space, linear transformation and their matrix representations, inner products, norms, orthogonality, eigenvalues, eigenvectors, and eigenspaces. Selected applications of linear algebra are included. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-10 - Precalculus **4 units**
UC*, CSU

(C-ID MATH 155)

Prerequisite: MAT-36 or qualifying placement level.

Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions, and their graphs; analytic geometry, polar coordinates, sequences, and series. 72 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-11 - College Algebra **4 units**
UC*, CSU

(C-ID MATH 155)

Prerequisite: MAT-35 or qualifying placement level.

This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential

and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-12 - Statistics **4 units**
UC, CSU

(C-ID SOCI 125)(C-ID MATH 110)

Prerequisite: MAT-35 or qualifying placement level.

A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. Students may not receive credit for both MAT-12 and MAT-12H. 72 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-26 - Math for Elementary School Teachers **3 units**
UC, CSU

Prerequisite: MAT-35 or qualifying placement level.

This course is designed for pre-service elementary school teachers. The course will examine five content areas: numeration; number theory; properties of numbers; problem solving; and curriculum standards. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-32 - Introduction to Symbolic Logic **3 units**
(Same as PHI-32)

UC, CSU **(C-ID PHIL 210)**

Prerequisite: None

Limitation on enrollment: May not be taken if credit for PHI-32 has been granted.

Introduces the principles of deductive reasoning, including the practical application of symbolic techniques. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-35 - Intermediate Algebra **5 units**

Prerequisite: MAT-52 or qualifying placement level.

The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

MAT-36 - Trigonometry **4 units**
CSU

(C-ID MATH 851)

Prerequisite: MAT-35 and 53 or qualifying placement level.

The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72

hours lecture. (Letter Grade or Pass/No Pass option)

MAT-37 - Algebra for Statistics **6 units**

Prerequisite: None

This is an accelerated course that prepares students for transfer-level Statistics. Topics include ratios, rates, and proportional reasoning, arithmetic reasoning using fractions, decimals and percents, evaluating expressions, analyzing algebraic forms to understand statistical measures, functions, use of linear and exponential functions to model bivariate data, use of logarithms, logarithmic scales and semi-log plots, graphical and numerical descriptive statistics for quantitative and categorical data. This course is designed for students who do not plan to major in math, science, computer science, or engineering. 90 hours lecture and 54 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass option)

MAT-52 - Elementary Algebra **4 units**

Prerequisite: MAT-64 (formerly MAT-50), 65, 90F or qualifying placement level.

Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option)

MAT-53 - College Geometry **3 units**

Prerequisite: MAT-52 or qualifying placement level.

A course covering the study of plane geometry and threedimensional figures. These topics include angles, triangles, quadrilaterals, circles and solids, their formulas for measuring such figures, including perimeter, area and volume. Students create proofs of geometric concepts using postulates and theorems associated with geometric objects and their characteristics. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

MAT-65 - Arithmetic and Pre-Algebra **5 units**

Prerequisite: None

A combination course covering the decimal system of numeration and the four basic mathematical operations as they apply to whole numbers, fractions, mixed numbers, and decimals without the use of any calculating device. Integers, factoring, geometric figures, and measurements are included. Emphasis is placed on applications to real world problems. An introduction to the notion of algebra and its uses. Includes equations and polynomials. 90 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option)

MAT-90A - Special Topics in Arithmetic: Whole Numbers and Introduction to Fractions **1 unit**

Prerequisite: None

A course covering the four basic mathematical operations as they apply to whole numbers with an introduction to fractions. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 18 hours lecture. (TBA option) (Non-degree credit course. Pass/No Pass only)

MAT-90B - Special Topics in Arithmetic: Fractions and Introduction to Decimals **1 unit**

Prerequisite: MAT-90A

A course covering the four basic mathematical operations as they apply to fractions with an introduction to decimals. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 18 hours lecture. (TBA option) (Non-degree credit course. Pass/No Pass only)

MAT-90C - Special Topics in Arithmetic: Decimals **1 unit**

Prerequisite: MAT-90B

A course covering the four basic mathematical operations as they apply to decimals. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 18 hours lecture. (TBA option) (Non-degree credit course. Pass/No Pass only)

MAT-90D - Rational Numbers and Introduction to Variables **1 unit**

Prerequisite: MAT-63, 90C or qualifying placement level.

A course covering the four basic mathematical operations as they apply to rational numbers with an introduction to variables. Emphasis is placed on applications to real world problems. Computations will be performed without the use of any calculating device. 18 hours lecture. (TBA option) (Non-degree credit course. Pass/No Pass only)

MAT-90E - Special Topics in Pre-Algebra: Real Numbers and an Introduction to Algebra **1 unit**

Prerequisite: MAT-90D

A course covering the four basic mathematical operations as they apply to real numbers and an introduction to algebraic expressions. Emphasis is placed on applications to real world problems. 18 hours lecture. (TBA option) (Non-degree credit course. Pass/No Pass only)

MAT-90F - Special Topics in Pre-Algebra: Algebraic Expressions and Equations **1 unit**

Prerequisite: MAT-90E

A course covering the addition, subtraction, multiplication, and factoring of polynomials as well as simplification of basic algebraic expressions. Emphasis is placed on applications to real world problems. 18 hours lecture. (TBA option) (Non-degree credit course. Pass/No Pass only)

MEDICAL ASSISTING

Riverside Community College District offers two medical assisting certificates: Administrative/Clinical Medical Assisting and Medical Transcription. An Associate of Science Degree in Medical Assisting is awarded upon successful completion of one of the medical assisting certificate programs and general education/graduation requirements.

MDA-1A - Medical Terminology 1A **3 units**
CSU

Prerequisite: None

Examines the structure and use of medical terms related to the body as a whole. Includes basic anatomy, physiology and pathology of the musculoskeletal, digestive, cardiovascular, respiratory and blood/ lymphatic systems. 54 hours lecture.

MDA-1B - Medical Terminology 1B **3 units**
CSU

Prerequisite: MDA-1A

Examines the use of medical terms related to the basic anatomy, physiology and pathology of the urinary, male and female reproductive, integumentary, nervous, sensory and endocrine systems. Also includes the specialty fields of radiology, oncology, pharmacology and psychology. 54 hours lecture.

MDA-54 - Clinical Medical Assisting and Pharmacology **5 units**

Prerequisite: MDA-1A

Corequisite: Concurrent enrollment in or prior completion of MDA-1B.

Examines treatment modalities in modern health care, drug laws, standards, systems of measurement, dosages, actions and effects. Covers assisting the physician with examinations and procedures, patient preparation, counseling and education. Includes sterilization techniques and diagnostic laboratory procedures. Examines the principles of medical law and ethics as applied to the physician, patient, and those employed in the medical field. Pursuant to Section 2146.5 and 2146.6 of the Business and Professions Code and adopted in Subchapter 3 of Chapter 13 of Title 16 of the California Administrative Code, this class will also include administration parenteral medication. Includes venipuncture for purposes of withdrawing blood for laboratory examination test procedures. 72 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

MDA-58A - Medical Transcription **5 units**

Prerequisite: MDA-1A and one of the following: CIS-1A or BUS/CIS/CAT-3, CAT-50 or CAT/CIS-80.

Corequisite: Concurrent enrollment in or prior completion of MDA-1B. Advisory: A minimum typing speed of 60 WPM.

Examines transcription of medical reports, formatting, proofreading, punctuation, and editing. Examines medical law and ethics as it relates to medical transcription. 72 hours lecture and 54 hours laboratory. (TBA option)

MDA-58B - Advanced Medical Transcription **3 units**

Prerequisite: MDA-58A

Examines transcription of advanced medical reports, formatting, proofreading, punctuation and editing. Examines medical law ethics as it relates to medical transcription. 45 hours lecture and 27 hours laboratory. (TBA option)

MDA-59 - Medical Office Procedures **5 units**

Prerequisite: None

Corequisite: Concurrent enrollment in or prior completion of MDA-1A. Advisory: CIS-1A, 3, 80 or CAT-50

Patient scheduling, communications, medical records management, and care of office property. Credit and collection, financial record keeping, and insurance billing. 72 hours lecture and 54 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option)

MDA-60 - Survey of Human Disease Processes **2 units**

Prerequisite: MDA-1A Advisory: MDA-1B and AMY-10

Examines and discusses the most common disease processes in relation to each of the body systems. Includes etiology,

mechanisms of disease, diagnosis and treatment. 36 hours lecture.

MDA-61 - Pharmacology for Medical Office Personnel **2 units**

Prerequisite: MDA-1A Advisory: MDA-1B and AMY-10

Addresses the history of pharmacology and legislation related to drugs. Examines the classification of drugs, their source and their affect on the human body, the use of drug references. Explores the common terms used to describe the administration of medications. 36 hours lecture.

MDA-62 - CPT/Coding **3 units**

Prerequisite: MDA-1A

Advisory: Completion of or concurrent enrollment in MDA-1B.

Discusses the principles, terminology and techniques of procedural coding as outlined in the Physician's Current Procedural Terminology. Including coding for the physician's services, anesthesiology, surgery, radiology, pathology/laboratory and medicine. This course also examines current procedural coding and its relationship to the Healthcare Common Procedural Coding System. 54 hours lecture.

MDA-63 - Diagnostic Coding **3 units**

Prerequisite: MDA-1A Advisory: MDA-1B and AMY-10

Designed to prepare the student to code diagnoses using the ICD-10-CM coding system. Addresses the principles, terminology, and conventions used in the selection of diagnostic codes. Utilizes practical examples to reinforce coding principles including the interpretation of medical records to ensure appropriate level of documentation for diagnoses and services rendered in a healthcare environment. 54 hours lecture.

MDA-64 - Advanced Diagnostic Coding **3 units**

Prerequisite: MDA-1A and 63 Advisory: MDA-59 and AMY-10

Designed to increase proficiency in coding with ICD-10-CM with an emphasis on coding for a hospital setting. Introduces ICD-10- PCS coding as it applies to inpatient procedures. Apply coding knowledge by abstracting information from sample medical records for billing and insurance purposes using practical examples. 54 hours lecture.

MDA-200 - Medical Assisting Work Experience **1-2-3-4 units**
CSU*

Prerequisite: None

Advisory: Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

MICROBIOLOGY**MIC-1 - Microbiology 4 units**

UC, CSU

Prerequisite: CHE-2A or 3 and one of the following: AMY-2A, BIO-1, 1H, or 1I

General characteristics of microorganisms with emphasis on morphology, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 hours laboratory.

MUSIC**MUS-1 - Teaching Music to Young Children 3 units**
CSU*Prerequisite: None*

Instruction in teaching music to young children. Emphasis will be on music for early childhood ages 3 to 8. Musical elements and theory will be introduced through activities appropriate for children. 54 hours lecture.

MUS-3 - Fundamentals of Music 4 units
UC, CSU
(C-ID MUS 110 MUS 125)*Prerequisite: None Advisory: Concurrent enrollment in an appropriate level piano class.*

Basic course in music theory designed to develop an understanding of notation, rhythm, pitch, keys, modes, scales, intervals, chords and music terminology. Basic sight singing, dictation and music reading at the piano. 54 hours lecture and 54 hours laboratory. (TBA option)

MUS-4 - Music Theory I 4 units
UC, CSU **(C-ID MUS 130 MUS 135)***Prerequisite: MUS-3 or the equivalent Advisory: Concurrent enrollment in an appropriate level piano class.*

Through guided composition and analysis this course incorporates the following concepts: rhythm and meter, basic properties of sound, intervals, diatonic scales and triads, diatonic chords, basic cadential formulas and phrase structures, figured bass, nonharmonic tones, first species counterpoint, and voice leading involving 4-part chorale writing. Development of skills in handwritten notation is expected. Lab includes diatonic sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing chord progressions, modes, and scales in all major and minor keys. 54 hours lecture and 54 hours laboratory. (TBA option)

MUS-5 - Music Theory II 4 units
UC, CSU **(C-ID MUS 140 MUS 145)***Prerequisite: MUS-4 or the equivalent Advisory: Concurrent enrollment in an appropriate level piano course.*

This course incorporates the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: Common Practice period voice leading involving four-part chorale writing; diatonic harmony; chromatic harmony; secondary/ applied chords; modulation; borrowed chords; the Neapolitan chord; augmented sixth chords; and an introduction to binary and ternary forms. Lab includes chromatic sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing chromatic chord progressions. 54 hours lecture and 54 hours laboratory. (TBA option)

MUS-6 - Music Theory III 4 units

UC, CSU

(C-ID MUS 150) (C-ID MUS 155)*Prerequisite: MUS-5 or the equivalent Advisory: Concurrent enrollment in an appropriate level piano course.*

This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course will include Common Practice period and 20th Century techniques such as: Borrowed chords and modal mixture; chromatic mediants; Neapolitan and augmented sixth chords; 9th, 11th and 13th chords; extended tertian harmony; polyharmony; quartal and secundal harmony; pandiatonicism; serialism; and aleatoric music. Lab includes post-Romantic and post-tonal sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing post-Romantic and posttonal materials. 54 hours lecture and 54 hours laboratory. (TBA option)

MUS-19 - Music Appreciation 3 units

UC, CSU

(C-ID MUS 100)**Prerequisite: None.**

A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. Students may not receive credit for both MUS-19 and MUS-19H. 54 hours lecture.

MUS-19H - Honors Music Appreciation 3 units

UC, CSU

(C-ID MUS 100)*Prerequisite: None*

Limitation on enrollment: Enrollment in the Honors Program. A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. This Honors course is organized to acquaint students with the roles of music and musicians in society and with representative musical selections. It offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills--analysis, synthesis, and evaluation. Students may not receive credit for both MUS-19 and MUS-19H. 54 hours lecture.

MUS-20 - Great Composers and Music Masterpieces before 1820 3 units

UC, CSU

Prerequisite: None Advisory: ENG-1A or 1AH

Emphasis on biography, history, and masterpieces of classical in European music from its inception to 1820 with an emphasis on writing about music and research. The content focuses on writing about great composers and listening to their music in the historical context from the Medieval, Renaissance, Baroque and Classic periods. 54 hours lecture.

**MUS-21 - Great Composers and Music
Masterpieces after 1820****3 units**

UC, CSU

Prerequisite: None Advisory: ENG-1A or 1AH

Emphasis on biography, history, and masterpieces of classical music from 1820 to the present with an emphasis on writing about music and research. The content focuses on writing about great composers and listening to their music in the historical context, from Beethoven through the 21st century. Begins with Beethoven's late period and continues with European traditions throughout the 19th century. Music in the Americas and in Europe is included in the study of the 20th and 21st centuries. 54 hours lecture

MUS-22 - Survey of Music Literature**3 units**

UC, CSU

Prerequisite: MUS-3

Survey of the major style periods and composers in the history of Western Music including the study and analysis of musical scores. Designed as a survey of music literature for students who have a working knowledge of musical notation and can follow open score and analyze the motives, themes, harmony and form of composition. 54 hours lecture

MUS-23 - History of Rock and Roll**3 units**

UC, CSU

Prerequisite: None

A comprehensive study of rock and roll music from its origins to the present with emphasis on the historical, musical, and sociological influences. Study includes listening to music and identifying stylistic trends and influential artists. 54 hours lecture

MUS-25 - Jazz Appreciation**3 units**

UC, CSU

Prerequisite: None

A comprehensive study of jazz from its origins to the present day. Study will be centered on influential composers, instrumentalists, vocalists and arrangers. There will also be an introduction to and study of musical elements such as instrumentation, lyrics, form, rhythm and harmony. 54 hours lecture

MUS-26 - Film Music Appreciation**3 units**

UC, CSU

Prerequisite: None

A study of film music in the United States from 1927 to the present day. Study will be centered on originally composed scores by prominent composers and arrangers. 54 hours lecture

MUSICAL PERFORMANCE**MUS-30 - Class Voice****1 unit**

UC, CSU

Prerequisite: None

Group study of vocal production, voice techniques, diction and interpretation. 54 hours laboratory

MUS-31 - College Choir**1 unit**

UC, CSU

(C-ID MUS 180)*Prerequisite: None*

Limitation on enrollment: Audition on or before the first class meeting. A vocal ensemble of mixed voices dedicated to the study, rehearsal and performance of a variety of choral literature. May be taken a total of four times. 54 hours laboratory. MUS-32A, B, C, and D are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII of the catalog regarding course repeatability and repetition.

MUS-32A - Class Piano I**1 unit**

UC, CSU

Prerequisite: None

This beginning course focuses on developing the skills needed for performing on piano, including reading from music notation, rhythm study, technique, expression, improvisation, harmonization, transposition, repertoire and style study. 54 hours laboratory (TBA option)

MUS-32B - Class Piano II**1 unit**

UC, CSU

Prerequisite: MUS-32A or the equivalent

Continuation of the skills studied in MUS-32A focusing on techniques needed for performing on piano, including playing select major and parallel minor scales, reading music on the grand staff, tapping rhythms, harmonizing melodies using simple accompaniments, transposing, and simple score reading. 54 hours laboratory (TBA option)

MUS-32C - Class Piano III**1 unit**

UC, CSU

Prerequisite: MUS-32B or the equivalent

Continuation of the skills studied in MUS-32B focusing on keyboard techniques required for playing major and minor scales, diatonic chord progressions, harmonizing melodies, transposing, accompanying, score reading, reading chord symbols, sight reading and performance of intermediate-level piano learning pieces. 54 hours laboratory (TBA option)

MUS-32D - Class Piano IV**1 unit**

UC, CSU

Prerequisite: MUS-32C or the equivalent

Culmination of keyboard skills previously studied focusing on increasing keyboard facility for playing major and minor scales and arpeggios, diatonic chord progressions, harmonizing melodies, modulating, transposing, accompanying, simple score reading, sight reading and performance of piano pieces from the standard classical piano teaching literature. 54 hours laboratory (TBA option)

MUS-36 - Instrumental Chamber Ensembles**1.5 units**

UC, CSU

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. This course is for the study, rehearsal, and public performance of instrumental chamber ensemble literature, with an emphasis on the development of skills needed to perform within

an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 81 hours laboratory. (TBA option)

MUS-37 - Class Guitar **1 unit**
UC, CSU

Prerequisite: None

Development of basic guitar playing skills, including reading from music notation, reading chord symbols, transposition, and playing open chords, barre chords, scales, and simple melodies. 54 hours laboratory

MUS-38 - Beginning Applied Music I **2 units**
UC, CSU
(C-ID MUS 160)

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete a minimum of 6.75 hours a week in a combination of individualized practice, lessons and concert attendance. Not designed for beginning students. May be taken a total of four times. 108 hours laboratory (TBA option)

MUS-53 - Keyboard Proficiency **1 unit**
UC, CSU

Prerequisite: MUS-32D or the equivalent

Preparation for the keyboard proficiency examinations required of entering music majors and minors at transfer institutions. Designed for students with extensive prior piano experience. 54 hours laboratory (TBA option)

MUS-57 - Gospel Singers **1 unit**
UC, CSU

(C-ID MUS 180)

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. A mixed voices chorus for the study, rehearsal, and public performances of anthems, spirituals, and gospel music (traditional/ contemporary). Emphasis is on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. This course is repeatable for credit the maximum times allowable by regulation. 54 hours laboratory

MUS-58 - Gospel Choir **1 unit**
UC, CSU

(C-ID MUS 180)

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. A choir of mixed voices dedicated to the further study, rehearsal and public performance of anthems, spirituals and African-American gospel (traditional/contemporary) music. May be taken a total of four times. 54 hours laboratory

MUS-70 - Guitar Lab Ensemble **1 unit**
UC, CSU

(C-ID MUS 180)

Prerequisite: None

Limitation on enrollment: Previous experience with classical

guitar and audition on or before the first class meeting. Study and performance of beginning and intermediate literature for guitar ensemble. May be taken a total of four times. 54 hours laboratory

MUS-71 - College Chorus **1 unit**
UC, CSU

(C-ID MUS 180)

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. An advanced vocal ensemble of mixed voices dedicated to the further study, rehearsal and performance of a variety of choral literature. Different literature will be studied each semester. May be taken a total of four times. 54 hours laboratory

MUS-78 - Beginning Applied Music II **2 units**
UC, CSU

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Course includes individual lessons, supervised practice, individual performance, and jury evaluations. Not designed for beginning students. May be taken a total of four times. 108 hours laboratory (TBA option)

MUS-83 - Advanced Chamber Choir **1 unit**
UC, CSU

(C-ID MUS 180)

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. Advanced chamber choir dedicated to the study, rehearsal and public performance of a variety of chamber choral literature. Activities may include concerts, festivals, radio and TV broadcasts and private appearances. May be taken a total of four times. 54 hours laboratory

MUS-87 - Applied Music Training **1 unit**
UC, CSU

(C-ID MUS 160)

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting. Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 54 hours in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 54 hours laboratory (TBA option)

MUS-92 - Basic Piano **.5 unit**
UC, CSU

Prerequisite: None

Group piano lessons for beginners. Emphasis on reading pitches and rhythms from music notation in treble and bass clefs, reading lead sheet notation for chords, and learning to play simple melodies and basic chords in a limited number of keys. 27 hours laboratory

MUS-200 - Music Work Experience 1-2-3-4 units
CSU*

Prerequisite: None Advisory: Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on- thejob training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

MUS-P27 - Beginning String Techniques 1 unit
UC, CSU

Prerequisite: None

An exploratory study of the violin, viola, cello, and string bass in a classroom setting. Emphasis is on sound production, articulation and basic music sight reading and theory. No previous experience necessary. 54 hours laboratory

MUS-P70 - Guitar Lab Ensemble II 1 unit
UC, CSU
(C-ID MUS180)

Prerequisite: None Limitation on enrollment: Audition on or before the first class meeting.

Advanced guitar ensemble instruction for students who are proficient performers. Ensemble dedicated to the study, rehearsal, and performance of advanced literature written or transcribed for classical guitar ensemble. Different literature will be studied each semester. Participation in public performances required. May be taken a total of four times. 54 hours laboratory

**NATIVE AMERICAN STUDIES
SEE ETHNIC STUDIES**

**OFFICE ADMINISTRATION
See COMPUTER APPLICATIONS AND OFFICE
TECHNOLOGY**

PHILOSOPHY**PHI-10 - Introduction to Philosophy** 3 units
UC, CSU
(C-ID PHIL 100)

Prerequisite: None Advisory: ENG-50 or 80

A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

PHI-10H - Honors Introduction to Philosophy 3 units
UC, CSU

(C-ID PHIL 100)

Prerequisite: None

Limitation on enrollment: Enrollment in the Honors Program. A survey and exploration of significant questions in the Western philosophical tradition through an examination of primary sources. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. The honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, the application of higher level thinking and writing skills—analysis, synthesis, and evaluation. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

PHI-11 - Critical Thinking 3 units
UC, CSU

Prerequisite: None Advisory: REA-82

This course presents critical thinking as a skill to be used for better understanding, evaluating and constructing arguments. The focus will be on developing and enhancing the student's ability to identify, analyze and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, informal fallacies. 54 hours lecture

**PHI-12 - Introduction to Ethics:
Contemporary Moral Issues** 3 units
UC, CSU
(C-ID PHIL 120)

Prerequisite: None

Contemporary problems in ethics. An examination of the moral problems of today in light of ethical theory. Problems examined may include abortion, euthanasia, the death penalty, affirmative action, war, racism, sexism, and others. 54 hours lecture

PHI-15 - Bio-Medical Ethics 3 units
UC, CSU

Prerequisite: None

An introduction to some of the ethical questions which affect medical research and the health care industry. The topics covered will include: the foundation of ethical judgments, the nature of moral reasoning, the ethics of medical practitioner-patient relationships, confidentiality, death and dying, medical experimentation, animal research, abortion and euthanasia, genetic engineering, and the new reproductive technologies. 54 hours lecture.

PHI-32 - Introduction to Symbolic Logic 3 units
(Same as MAT-32)
UC, CSU (C-ID PHIL 210)

Prerequisite: None

Limitation on enrollment: May not be taken if credit for MAT-32 has been granted. Introduces the principles of deductive reasoning, including the practical application of modern symbolic techniques. 54 hours lecture

PHI-35 - Philosophy of Religion 3 units
(Same as HUM-35) UC, CSU

Prerequisite: None Advisory: PHI-10 or 10H, or 11 and REA-83 and qualification for ENG-1A.

An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture

PHOTOGRAPHY**PHO-20 - Introduction to Digital Photography** 3 units
CSU

Prerequisite: None

Theory and practice in the basic techniques of producing digital photographs with technical and artistic merit. Acquire competency in the use of cameras with an emphasis on understanding the relationship of shutter, aperture and focal length. Software utilized may include Adobe Photoshop, Adobe Lightroom and others. Students are required to supply their own digital single lens reflex (SLR) camera with manual controls. 36 hours lecture and 54 hours laboratory

PHO-67 - Business Practices for Photographers 3 units
CSU

Prerequisite: None

This course provides a foundation in business practices for photographers. Topics include: building a personal photography business model, pricing photographic services, negotiating with clients, protecting the photographer's work, assessing equipment needs and costs, insurance, accounting, contracts, copyright, marketing, stock photography, and archiving photographs. 54 hours lecture

PHO-200 - Photography Work Experience 1-2-3-4 units
CSU*

Prerequisite: None Advisory: Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on- the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option)

Also see JOURNALISM

PHYSICAL EDUCATION
See **KINESIOLOGY**

PHYSICAL SCIENCE**PHS-1 - Introduction to Physical Science** 3 units
UC*, CSU

Prerequisite: None

Fundamental concepts of earth, space and environmental science (geology, oceanography, meteorology, and astronomy) and principles of physics and chemistry especially as they relate to these fields. Emphasis is placed on the application of science in the understanding and solution of environmental problems. 54 hours lecture

PHYSICS**PHY-4A - Mechanics** 4 units
UC*, CSU

(C-ID PHYS 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D) (C-ID PHYS 205)

Prerequisite: None

Corequisite: Concurrent enrollment in or prior completion of MAT-1A.

Examines vectors, particle kinematics and dynamics, work and power, conservation of energy and momentum, rotation, oscillations and gravitation. 54 hours lecture and 54 hours laboratory

PHY-4B - Electricity and Magnetism 4 units
UC*, CSU (C-ID

(PHY 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D) (C-ID PHYS 210)

Prerequisite: PHY-4A

Corequisite: Concurrent enrollment in or prior completion of MAT-1B.

Study of electric fields, voltage, current, magnetic fields, electromagnetic induction, alternating currents and electromagnetic waves. 54 hours lecture and 54 hours laboratory.

PHY-4C - Heat, Light and Waves 4 units
UC*, CSU (C-ID PHYS 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D)

Prerequisite: PHY-4A Corequisite: MAT-1B

Examines fluid mechanics; temperature, heat transfer, thermal properties of matter, laws of thermodynamics; oscillations and waves; reflection, refraction, lenses and mirrors, interference, and diffraction. 54 hours lecture and 54 hours laboratory

PHY-4D - Modern Physics 4 units
UC, CSU

(C-ID PHYS 200S=PHY-4A+PHY-4B+PHY-4C+PHY-4D)

Prerequisite: PHY-4A

The study of special relativity theory, the old quantum theory, fundamentals of quantum mechanics and basic applications of these theories to the hydrogen atom. 72 hours lecture

PHY-10 - Introduction to General Physics 3 units
UC*, CSU

Prerequisite: MAT-52

A non-science major physics course covering mechanics, properties of matter, heat, sound, light, electricity and magnetism, and nuclear physics. 54 hours lecture.

PHY-11 - Physics Lab **1 unit**
 UC, CSU
Prerequisite: None Corequisite: Concurrent enrollment in or prior completion of PHY- 10.
 An optional laboratory science course for the non-science major. Emphasis on laboratory techniques, student experimentation, and laboratory demonstrations. 54 hours laboratory.

PHYSIOLOGY AND ANATOMY
 See ANATOMY AND PHYSIOLOGY

POLITICAL SCIENCE

POL-1 - American Politics **3 units**
 UC, CSU
(C-ID POLS 110)
Prerequisite: None
 Advisory: REA-83 and qualification for ENG-1A.
 An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

POL-1H - Honors American Politics **3 units**
 UC, CSU
(C-ID POLS 110)
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.
 Limitation on enrollment: Enrollment in the Honors Program.
 This course addresses the principles, institutions and critical issues of American politics, with emphasis placed on the national government. Specifically, the course offers an enhanced exploration of the philosophic and ideological sources of the American political system and its political culture, political parties and electoral system as well as political.

POL-2 - Comparative Politics **3 units**
 UC, CSU
(C-ID POLS 130)
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.
 A comparative study of selected European, Asian, African, Latin American, and Middle Eastern political systems. Concerned with broadening and deepening the student's understanding of the nature and variety of political systems. Course topics will include a study of institutions, issues, and policies of various countries. Students may not receive credit for both POL-2 and POL-2H. 54 hours lecture.

POL-2H - Honors Comparative Politics **3 units**
 UC, CSU
(C-ID POLS 130)
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.
 Limitation on enrollment: Enrollment in the Honors Program.
 A comparative study of selected European, Asian, African, Latin American, and Middle Eastern political systems. Concerned with broadening and deepening the student's understanding of the nature and variety of political systems. Course topics will include a study of institutions, issues, and policies of various countries.

The honors course offers an enriched educational experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-order critical thinking skills. Students may not receive credit for both POL-2 and POL- 2H. 54 hours lecture.

POL-3 - Introduction to Politics **3 units**
 UC, CSU
(C-ID POLS 150)
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.

An introduction to Political Science as a field of study and to the major concepts, theories, methods, and issues common to the study of Political Science. The course will include introductions to the subfields of American Government, Comparative Politics, International Relations, Political Economy, Political Theory as well as to methods of political science research. 54 hours lecture.

POL-4 - Introduction to World Politics **3 units**
 UC, CSU
(C-ID POLS 140)
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.

A study of the theories, paradigms and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. Students may not receive credit for both POL-4 and POL-4H. 54 hours lecture.

POL-4H - Honors Introduction to World Politics **3 units**
 UC, CSU
(C-ID POLS 140)
Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.

Limitation on enrollment: Enrollment in the Honors Program. A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. This honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, student-generated and -led discussions and projects, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills—analysis, synthesis and evaluation. Students may not receive credit for both POL-4 and POL-4H. 54 hours lecture.

POL-5 - The Law and Politics **3 units**
 UC, CSU
Prerequisite: None
 Advisory: REA-83 and qualification for ENG-1A.
 The principles and problems of the constitution are examined, with emphasis on how the constitution impacts public policy. Also, the course looks at the constitutional considerations affecting civil rights and liberties. 54 hours lecture.

POL-6 - Introduction to Political Economy **3 units**
(Same as ECO-6)
 UC, CSU

Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.

This course will examine the historical, structural, and cultural elements in the development of international political economy. Topics covered will include the relation of politics and economics on development, globalization, national institutions, social groups and classes, and democracy. 54 hours lecture.

POL-8 - Introduction to Public Administration and Policy Development **3 units**
 UC, CSU

Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.

This course is designed as an introduction to the processes of policy formation and implementation. Public administration, decision making in the public bureaucracy, and administrative tasks are discussed. In addition to the politics of administrative organizations, personnel management, budget administration, public relations, and government service as a career are discussed. Practicing public administrators will be featured as guest speakers. 54 hours lecture.

POL-11 - Political Theory **3 units**
 UC, CSU
(C-ID POLS 120)

Prerequisite: None Advisory: REA-83 and qualification for ENG-1A.

This course will examine the major contributions of political thinkers from Socrates to the present. Political concepts such as democracy, the rule of law, justice, natural rights, sovereignty, citizenship, power, the state, revolution, liberty, reason, materialism, toleration, and the place of religion in society and politics are traced from their origins, through their development and changing patterns, to show how they influence political thinking and institutions today. 54 hours lecture.

PSYCHOLOGY

PSY-1 - General Psychology **3 units**
 UC, CSU
(C-ID PSY 110)

Prerequisite: None

Historical and philosophical antecedents of contemporary psychology; the scientific study of behavior and mental processes as systemized in learning, motivation, emotion, personality, intelligence, and thought. 54 hours lecture.

PSY-1H - Honors General Psychology **3 units**
 UC, CSU
(C-ID PSY 110)

Prerequisite: None.

Limitation on enrollment: Enrollment in the Honors Program. Historical and philosophical antecedents of contemporary psychology; the scientific study of behavior and mental processes as systemized in learning, motivation, emotion, personality,

intelligence, and thought. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both PSY-1 and PSY-1H. 54 hours lecture.

PSY-2 - Biological Psychology **3 units**
 UC, CSU

(C-ID PSY 150)

Prerequisite: PSY-1 or 1H

The scientific study of brain-behavior relationships and mental processes. Issues addressed include: historical scientific contributions and current research principles for studying brain-behavior associations and mental processes, basic nervous system structure and function, sensory and motor systems, emotion, motivation, learning and memory, sleep and dreaming, and neurological and mental disorders. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental investigations. 54 hours lecture.

PSY-8 - Introduction to Social Psychology **3 units**
 UC, CSU

(C-ID PSY 170)

Prerequisite: None

This course examines individual human behavior in relation to the social environment. It includes emphasized topics; such as, aggression, prejudice, interpersonal attraction, attitude change, gender roles, and social cognition. 54 hours lecture.

PSY-9 - Developmental Psychology **3 units**
 UC, CSU

(C-ID PSY 180)

Prerequisite: None

This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

PSY-33 - Theories of Personality **3 units**
 UC, CSU

Prerequisite: None

This course examines the basic concepts and principles of the prevailing theories of personality and evaluates the scientific merits of their assumptions and propositions. 54 hours lecture.

PSY-35 - Abnormal Psychology **3 units**
 UC, CSU

(C-ID PSY 120)

Prerequisite: None

Survey of historical and contemporary approaches to diagnosing, understanding and treating major forms of psychological disorder including: anxieties, fears, obsessions, psychoses, sexual and personality disorders, disorders of childhood and adolescence. 54 hours lecture.

PSY-48 - Statistics for the Behavioral Sciences **3 units**
(Same as SOC-48)
UC, CSU (CID MATH 110)

Prerequisite: Mat-35

This course introduces students to basic statistical methods and analyses commonly used in behavioral science research. Topics cover both inferential and descriptive statistics including correlations, regression analysis, chisquares, t-tests, analysis of variance, and an introduction to factorial designs. This course covers the logic of hypothesis testing and emphasizes conceptualization of material and interpreting findings for use in behavioral science research above computation. This course trains students to use a statistical software package used by behavioral science researchers and prepares them to proficiently consume published research in the behavioral sciences. 54 hours lecture

PSY-50 - Research Methods in Psychology **4 units**
UC, CSU (C-ID PSY 205B)

Prerequisite: PSY-1 or 1H and MAT-12 or 12H

This course introduces students to psychological research methods with emphasis on the use of the scientific method. The laboratory will complement the lectures and allow each student to design and conduct behavioral research, including collecting and analyzing research data. 63 hours lecture and 27 hours laboratory

READING

REA-4 - Critical Reading as Critical Thinking **3 units**
CSU

Prerequisite: None Advisory: Qualification for ENG-1A.

This course is intended for students to fully understand the relationship between critical reading and critical thinking. Emphasis will be placed on the development of reading skills in the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading. 54 hours lecture

REA-81 - Foundations for College Reading **3.5 units**
Prerequisite: None

Intended for students in need of basic remediation. Instruction in basic reading skills, along with individually prescribed practice work in which a wide range of material will be utilized. 54 hours lecture and 36 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass option)

REA-82 - College Reading and Strategies **3.5 units**
Prerequisite: REA-81 or qualifying placement level.

Intended for students who experience significant difficulty in reading college-level materials. Instruction in reading skills at a less basic level than that required in REA-81, along with individually prescribed practice work, in which a wide range of materials will be utilized. 54 hours lecture and 36 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)

REA-83 - College Reading and Thinking **3 units**

Prerequisite: REA-82 or ESL-73 or qualifying placement level.

Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option)

REA-86 - Reading Strategies for Textbooks **1 unit**

Prerequisite: None

This course is intended for students currently enrolled in a lecture class where the curriculum and instruction depends on extensive textbook readings. Students will receive instruction on using different reading comprehension strategies designed for better understanding and retention of textbook material. 18 hours lecture. (Non-degree credit course. Pass/No Pass only)

REA-90 - Accelerated College Reading **5 units**

Prerequisite: None

This course offers accelerated, intensive instruction in the academic reading expected in transfer and associate-degree courses. This course meets the graduation reading competency requirement. 90 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option)

REAL ESTATE

RLE-80 - Real Estate Principles **3 units**
CSU

Prerequisite: None

The fundamental real estate principles course covers basic laws and principles of California real estate; fundamentals, terminology, concepts, current practices and current market trends in real estate. Assists those preparing for the real estate sales person and broker license examination. 54 hours lecture

RLE-81 - Real Estate Practices **3 units**
CSU

Prerequisite: None

Covers basic laws and principles of California real estate, terminology and daily operations in a real estate brokerage. Includes listing, prospecting, advertising, financing, sales techniques, escrow and ethics. Applies toward state's educational requirements for the brokers examination. 54 hours lecture

RLE-82 - Legal Aspects of Real Estate **3 units**
CSU

Prerequisite: None

California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyance, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward educational requirement of brokers examination. 54 hours lecture

RLE-83 - Real Estate Finance **3 units**
CSU

Prerequisite: None

Analysis of real estate financing, including lending policies and problems in financing transactions in residential, apartment, commercial, and special purpose properties. Methods of financing

properties emphasized. 54 hours lecture.

RLE-84 - Real Estate Appraisal **3 units**
CSU

Prerequisite: None

Purposes of appraisals, the appraisal process, and the different approaches, methods, and techniques used to determine the value of various types of property. Emphasis will be on residential and single-unit properties. 54 hours lecture.

RLE-85 - Real Estate Economics **3 units**
CSU

Prerequisite: None

Trends and factors affecting the value of real estate; the nature and classification of land economics; the development of property, construction and subdivision, economic values and real estate evaluation; real estate cycles and business fluctuations, residential market trends, real and special purpose property trends. 54 hours lecture

RLE-86 - Escrow Procedures I **3 units**
CSU

Prerequisite: None

Methods and techniques of escrow procedure for various types of real estate transactions, including the legal/ethical responsibilities engaged in escrow work. 54 hours lecture

RLE-200 - Real Estate Work Experience **1-2-3-4 units**
CSU*

Prerequisite: None Advisory: Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on- the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option)

SOCIOLOGY

SOC-1 - Introduction to Sociology **3 units**
UC, CSU (C-ID SOCI 110)

Prerequisite: None Advisory: ENG-50

An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and SOC-1H. 54 hours lecture

SOC-2 - American Social Problems **3 units**
UC, CSU

(C-ID SOCI 115)

Prerequisite: None

Identification and analysis of major social problems confronting 20th century America; emphasizing, among other topics, urban and rural transformations; family life; minorities; criminal and delinquent behavior. 54 hours lecture.

SOC-10 - Race and Ethnic Relations **3 units**
UC, CSU (C-ID SOCI 150)

Prerequisite: None

An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination, and the concept of racism. The course brings into sharper focus the history and contemporary status of White-ethics, religious minorities, American Indians, Afro-Americans, Hispanic-Americans, Asian- Americans, Jewish-Americans, and women in the United States. Social institutions such as family, education, politics, and the economy receive special attention for each group. The similarities and differences in ethnic hostilities between the United States and other societies are closely examined. 54 hours lecture

SOC-12 - Marriage and Family Relations **3 units**
UC, CSU (C-ID SOCI 130)

Prerequisite: None Advisory: SOC-1 and ENG-50.

Examines the major trends in marriage, families, and intimate relationships. Focuses on how inequality and diversity affect intimate and family relations. Discusses the dynamics of gender inequality among families and couples and how family life is shaped by race and ethnicity, social class, and sexuality. Discusses issues of interpersonal violence, divorce, and life in later years. 54 hours lecture

SOC-20 - Introduction to Criminology **3 units**
UC, CSU (C-ID SOCI 160)

Prerequisite: None

An introduction to the fundamentals of criminology. Including surveys of the theories of crime, statistical procedures and research methodology, types of crimes, criminal etiology, the origins and features of criminal law, the police, courts, and corrections. An analysis of the interrelations between social organization, the perceptions of social harm, and the dynamics of social control. 54 hours lecture

SOC-48 - Statistics for the Behavioral Sciences **3 units**
(Same as PSY-48)

UC, CSU (C-ID MATH 110)

Prerequisite: Mat-35

This course introduces students to basic statistical methods and analyses commonly used in behavioral science research. Topics cover both inferential and descriptive statistics including correlations, regression analysis, chi-squares, t-tests, analysis of variance, and an introduction to factorial designs. This course covers the logic of hypothesis testing and emphasizes conceptualization of material and interpreting findings for use in behavioral science research above computation. This course trains students to use a statistical

software package used by behavioral science researchers and prepares them to proficiently consume published research in the behavioral sciences. 54 hours lecture

SOC-50 - Introduction to Social Research Methods 3 units
UC, CSU (C-ID SOCI 120)

Prerequisite: SOC-1

Examination of the fundamental elements of empirical research and the ways sociologists think critically, including attention to the nature of theory, hypothesis, variables and ethics of research. Application of qualitative and quantitative analytic tools including logic and research design, such as experimental, survey, observational, comparative historical research and case studies. 54 hours lecture

SPANISH

SPA-1 - Spanish 1 5 units
UC*, CSU (C-ID SPAN 100)

Prerequisite: None Advisory: Completion of placement test to assess level of proficiency in Spanish.

This course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1, SPA-1H, or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option)

SPA-1H - Honors Spanish I 5 units
UC, CSU (C-ID SPAN 100)

Prerequisite: None Advisory: Completion of placement test to assess level of proficiency in Spanish. Limitation on enrollment: Enrollment in the Honors Program.

This course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. This honors course offers an enriched experience for accelerated students through limited class size, a seminar format, the reading of level-appropriate adapted Hispanic works and cultural studies, and the application of higher level critical thinking skills. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option)

SPA-2 - Spanish 2 5 units
UC, CSU (C-ID SPAN 110)

Prerequisite: SPA-1, 1H, or 1B or qualifying placement level on the Spanish assessment test or the equivalent.

Further development of basic skills in listening, reading, speaking, and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours

laboratory. (TBA option) (Letter Grade, or Pass/No Pass option)

SPA-2H - Honors Spanish 2 5 units
UC, CSU (C-ID SPAN 110)

Prerequisite: SPA-1, 1H, or 1B or qualifying placement level on the Spanish assessment test or the equivalent.

Limitation on enrollment: Enrollment in the Honors Program.

Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Honors course offers an enriched experience for accelerated students through limited class size, a seminar format, the reading of level-appropriate adapted Hispanic works and cultural studies, and the application of higher level critical thinking skills. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option)

SPA-3 - Spanish 3 5 units
UC*, CSU (C-ID SPAN 200)

Prerequisite: SPA-2 or 2H or qualifying placement level on the Spanish assessment test or the equivalent.

Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. This course includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option)

SPA-3N - Spanish for Spanish Speakers 5 units
UC*, CSU (C-ID SPAN 220)

Prerequisite: SPA-2, 2H or qualifying placement level on the Spanish assessment test or the equivalent.

Enrichment and formalization of speaking, reading and writing skills in Spanish. Emphasis on vocabulary expansion, awareness of standard versus non-standard lexicon, introduction to various Spanish dialects. Intense review of grammar and linguistic terminology necessary to expand and enrich language skills. Introduction to diverse literary materials, writing styles and composition techniques. Intensive survey of Latino culture in the United States and in the Spanish-speaking world. Designed for students with near-native fluency, having acquired the language in a non-academic environment, and having received minimal or no formal instruction in Spanish. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option)

SPA-4 - Spanish 4 5 units
UC, CSU (C-ID SPAN 210)

Prerequisite: SPA-3 or 3N or qualifying placement level on the Spanish assessment test or the equivalent.

Further development of intermediate skills in listening, reading, speaking and writing. A review of the vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. Enhancement of basic Spanish language skills through the reading

of authentic literary and factual texts. This course includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory.(TBA option) (Letter Grade, or Pass/No Pass option)

SPA-8 - Intermediate Conversation **3 units**
UC, CSU

Prerequisite: SPA-2, 2H, 3, 3N or 4

Intermediate-level vocabulary building and improvement of speaking proficiency in the context of Hispanic culture, daily life and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

SPA-8 - Intermediate Conversation **3 units**
UC, CSU

Prerequisite: SPA-2, 2H, 3, 3N or 4

Intermediate-level vocabulary building and improvement of speaking proficiency in the context of Hispanic culture, daily life and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

SPA-11 - Spanish Culture and Civilization **3 units**
UC, CSU

Prerequisite: None

Introductory survey of Spanish culture and civilization as reflected in language, literature, art, history, policies, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

SPA-12 - Latin American Culture and Civilization **3 units**
UC, CSU

Prerequisite: None

Introductory survey of Latin American culture and civilization as reflected in language, literature, art, history, policies, customs and social institutions. Class conducted in English. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

SPA-13 - Spanish for Health Care Professionals **5 units**
CSU

Prerequisite: None

This course is designed for health care professionals who want to learn basic phrases in Spanish as related to their daily activities. Class conducted in Spanish. 90 hours lecture. (Letter Grade, or Pass/No Pass option)

SPEECH COMMUNICATION
See **COMMUNICATION STUDIES**

SUPERVISION
See **MANAGEMENT**

THEATER ARTS

THE-3 - Introduction to the Theater **3 units**
UC, CSU

(C-ID THTR 111)

Prerequisite: None

A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting and genres, to acquaint the student with the diverse nature of

theater leading to an appreciation and understanding of the theater as a separate and distinctive art form. 54 hours lecture.

THE-32 - Acting Fundamentals-Theater **3 units**
Games and Exercises

UC, CSU

(C-ID THTR 151)

Prerequisite: None

Foundation training for actors through theater games and improvisational exercises for developing expressive freedom, creativity, relaxation, sensory awareness and concentration. Development and preparation of the actor's instrument: voice, speech, body and imagination. Beginning of relationship and motivation. 36 hours lecture and 54 hours laboratory. (TBA option)

THE-200 - Theater Arts Work Experience **1-2-3-4 units**
CSU*

Prerequisite: None *Advisory:* Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on- the-job training with related instruction in work-related skills. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

WORK EXPERIENCE

WKX-200 - Work Experience **1-2-3-4 units**
CSU*

Prerequisite: None *Advisory:* Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on- the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to four units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. WKX-200 is an enrolling course for General Work Experience and Occupational Work Experience courses. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting. Determination of the appropriate work experience course is made by the instructor, with input from the student, based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience or 75 hours of paid work

experience are required for each enrolled unit.

**WKX-201 - General Work Experience
CSU***

1-2-3 units

Prerequisite: None Advisory: Students should have paid or voluntary employment.

This course is designed to coordinate the student's occupational on- the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to three units each semester for two (2) semesters for a maximum of 6 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. 18 hours orientation and 60 hours of volunteer work experience or 75 hours of paid work experience are required for each enrolled unit.

NON-CREDIT COURSES

Non-credit courses are one of several educational options offered by community colleges. They offer students access to a variety of low- and no-cost courses that do not carry any unit value, but can help students in reaching personal and professional goals. They provide lifelong learning, career preparation opportunities, and skill remediation, development or proficiency. They can serve as an educational gateway for students who want to improve their earning power, literacy skills or access to higher education. Non-credit courses are approved by the District Curriculum Committee, the Board of Trustees and the state Chancellor's Office.

INTERDISCIPLINARY STUDIES

ILA-800 - Supervised Tutoring

0 units

Prerequisite: None

Co-Requisite: Student must be enrolled in at least one other nontutoring course.

This self-paced, open-entry/open-exit non-credit course provides supervised tutoring, assistance with study skills, and guidance in completing basic skills or college-level course assignments. Students receive individualized tutoring and/or small group instruction outside of class time in a discipline-specific lab. Designed to help students achieve outcomes related to specific courses and/or to improve learning and study skills in related subjects. Content varies according to the course for which tutoring is sought. Up to 216 hours laboratory. (TBA option) (Non-degree, non-credit course)



SENIOR CITIZEN EDUCATION

For information about Senior Citizen Education courses, contact the Young @ Heart Program. The telephone number is (951) 328-3811.

SCE-804 - Senior Topics 0 units

Prerequisite: None

This course will encourage students 55 years and older to develop a sense of personal empowerment through continued learning and self-awareness of the knowledge, experience, understanding and wisdom attained in later adulthood. Students will learn communication and listening skills as they participate in various discussions of special interest and have an opportunity to review and discuss books, biographies, film, theatre, music and news items while experiencing intellectual excitement and the pleasure of camaraderie during class sessions. Students would provide their own entrance fees to any events planned. 24 hours lecture; Positive Attendance

SCE-809 - Computer Basics for Older Adults 0 units

Prerequisite: None

This course is designed to teach students 55 years and older the basics of home computer use, including terminology, components, basic windows functions, accessory programs, simple word processing and spreadsheet programs as well as skills in accessing and using the Internet. 16 hours laboratory; Positive Attendance

SCE-810 - Photography as Therapy for Older Adults 0 units

Prerequisite: None

In this course, students 55 years and older will use their own 35mm and digital cameras as they learn the theory and application of basic photographic skills needed to consistently take high quality photographs under a variety of shooting conditions. Students will be responsible for processing their own photographs. Socialization and working as a group will be an important part of this course. Students will be taught in a progressive systematic manner. 28 hours laboratory; Positive Attendance

SCE-811 - Drawing and Painting for Older Adults 0 units

Prerequisite: None

This course is designed for students 55 years and older, and will include a potpourri of drawing, illustration, painting, mixed media and basic design components. Individual classes will have one or more emphases and will focus on the development and/or enhancement of mental acuity, fine motor skills, creativity and art appreciation in a welcoming social environment. Classes may include creative interpretation of subjects from life, landscape and imagination, basic exploration of design elements and principles, composition, observation skills, perspective on art appreciation and history and methods of conserving and displaying completed works. Socialization and interaction will be an important part of this class. Students will be taught in a progressive systematic manner. Students will provide their own materials and supplies. 24 hours laboratory; Positive Attendance

SCE-813 - Healthy Aging for Older Adults 0 units

Prerequisite: None

Students 55 years and older are provided practical information regarding healthy aging including diet, nutrition, disease prevention, fall prevention and application of principles focusing on maintaining good health as they age. Course is designed to make the tasks of daily living positive. 13 hours lecture and 11 hours laboratory; Positive Attendance

SCE-820 - Music for Active Seniors 0 units

Prerequisite: None

Focuses on listening to, participating in and learning the history of music deemed to be of interest to older adults. Includes live instrumental and vocal presentations; instruction on composers, song stories; and backgrounds and musical styles from approximately 1900 forward. Designed for students 55 years and older who are able to be active, mobile participants. 30 hours laboratory; Positive Attendance

SCE-821 - Music Therapy for Frail Seniors 0 units

Prerequisite: None

Focuses on listening to, participating in and learning the history of music deemed to be of interest to seniors. Course includes live piano or other instruments and vocal presentations and instruction on composers, song stories, backgrounds and musical styles from approximately 1900 forward. This course is designed for students 55 years and older who might live in assisted living environments. 30 hours laboratory; Positive Attendance

SCE-830 - Mature Driver Improvement 0 units

Prerequisite: None

Advisory: Students must possess a valid California Driver's License and be prepared to pay a nominal fee (currently \$1) for the DMV Certificate.

This course is designed to update the driving skills of students 55 years and older. Curriculum is provided by the State of California DMV to help older drivers become more defensive, more alert to their surroundings as they drive and to familiarize them with new traffic laws. DMV requires that the course be 8 hours long and be open to a maximum of 30 students. Students will pay a nominal fee for the DMV Certificate of Completion. 8 hours laboratory. Positive Attendance

SCE-840 - Craft Design for Older Adults 0 units

Prerequisite: None

This course offers students 55 years and older the opportunity to create and construct various types of crafts in an interactive and stimulating environment. The course will feature crafts that give students an opportunity to use their creative talents while retaining and continuing to develop their fine motor skills and improve memory skills. Some of the crafts featured in various classes might include ceramics, stain glass, wood carving, jewelry, china painting, calligraphy, fabric crafts, scrap book design, various crafts using glass items, wood items, clay pots, found items and items from nature like gourds and pine cones, etc. Students will supply their own craft materials. 24 hours laboratory; Positive Attendance

SCE-842 - Needle Arts Therapy for Seniors **0 units**

Prerequisite: None

Students 55 years and older will learn to create needle arts projects in a socially interactive environment. The course will feature a wide variety of needle arts instruction to give students an opportunity to use their creative talents while retaining and continuing to develop fine motor skills memory improvement and will provide an opportunity to share backgrounds and family history through the various projects and offer in a socially interactive environment. Some of the various needle arts that might be included in various classes are: needlepoint, cross stitch, needle beading, embroidery, ribbon embroidery, Japanese bunka and other ethnic needle arts, fabric embellishment, appliqué, quilting, crochet and knitting. Students will provide their own needle art supplies. 24 hours laboratory. Positive Attendance

