

General Catalog 2007 - 2008
Imperial Valley College

IMPERIAL VALLEY COLLEGE 2007-2008

General Catalog and Announcement of Courses

Imperial Valley College welcomes you and wishes to take this opportunity to congratulate you on your decision to accept the challenge of further education. This catalog is your guide to and through this college and the many educational programs which it offers. You will find the information which you must have to succeed and those rules and regulations which govern the college and each student. It is your obligation to become thoroughly familiar with the content of the catalog. It has been prepared with your success in mind!

IMPERIAL COMMUNITY COLLEGE DISTRICT

P.O. BOX 158

380 E. Aten Road

Imperial, CA 92251-0158

Phone (760) 352-8320

www.imperial.edu

Disclaimer

Imperial Valley College is committed to providing students with the most accurate, current information available regarding the College's programs, courses, regulations, and policies. However, there may be times when course changes concerning prerequisites, content hours, or units of credit are determined after publication of the catalog or when district policy or state regulations dictate a change in current practice. When such a circumstance arises, every effort will be made through the college website (www.imperial.edu), class schedules, public media, and at the time of registration to notify students of any changes in the course descriptions or college policies, as presented herein. Students with questions or concerns about a specific course need to contact a counselor at (760) 355-6246 or contact the appropriate division office as noted with the "List of Courses." Questions or concerns regarding standard practice and process can be directed to the Office of Admissions and Records at (760) 355-6201.

ACCREDITED

by

Accrediting Commission for Community and Junior Colleges of the
Western Association of Schools and Colleges
10 Commercial Boulevard, Ste. 204
Novato, CA 94949
(415) 506- 0234

an institutional accrediting body recognized by the Commission on Recognition of
Postsecondary Accreditation and the U.S. Department of Education

American Welding Society
California Association of Alcohol and Drug Educators
California Board of Registered Nursing
California Board of Vocational Nurse and Psychiatric Examiners
Commission on Accreditation of Allied Health Education Programs
Commission on Peace Officers Standards and Training
California State Department of Education
National Academy of Early Childhood Programs

A MEMBER

of

Accrediting Commission for Community and Junior Colleges (NCCJC)
American Association of Community Colleges (AACJ)
Association of California Community College Administrators
Association of Community College Trustees
California Association of Community Colleges
California Community Colleges Academic Senate
Consortium for North American Higher Education Collaboration (CONAHEC)
Community College League of California (CCLC)
Council for Higher Education Accreditation
Hispanic Association of Colleges and Universities (HACU)
Imperial County School Boards' Association
Imperial County Chambers' of Commerce
Imperial Valley Economic Development Corporation (IVEDC)
Inland Valley Trustee and CEO Association
International Consortium for Educational and Economic Development (ICEED)
National Institute for Staff and Organizational Development (NISOD)
San Diego and Imperial Counties Community Colleges Association (SDICCCA)
Workforce Investment Board (WIB)

APPROVED

for

The Veterans Administration

TABLE OF CONTENTS

PERSONNEL
 Welcome 4
 Board of Trustees 5
 Administration, Instructional Divisions 6
 Faculty 158
COLLEGE CALENDAR 7
GENERAL INFORMATION
 History of IVC 9
 Facilities 9
 Institutional Student Learning Outcomes 11
 Mission 11
 Academic Freedom Statement 11
 Types of Courses and Programs 11
 Administration of Justice, P.O.S.T., Apprenticeship Training 12
 Community Education 13
 Disabled Student Programs and Services, Distance Education: Online Courses 13
 Exercise Science, Wellness, and Sport 13
 Extended Campuses 14
 Preschool and Infant Toddler Center 14
 Nursing-Associates Degree 14
 Nursing-Vocational 17
 Degrees, Scholastic Honors 18
 Financial Assistance 19
 Expenses, Unpaid Financial Obligations, Explanation of Fees, Tuition 19
 Other Fees/Charges, Refund Policy, Parking Permit, Accreditation, Counseling Services 19
 Student Activities, Bookstore & College Center, Athletics, Learning & Tutoring Services 20
 Workforce Development Center, Assessment, Matriculation Process 20
REGULATIONS 21
 Admission, Transcripts, Foreign Transcripts 21
 Family Education Rights & Privacy Act 21
 Nondiscrimination Policy, Residence Requirements 23
 Enrollment Limitations, Short Term Classes, Registration, Scholarship Grading System 26
 Cheating and Plagiarism, Student Conduct, Standards of Student Conduct 27
 Student’s Complaint Policy, Informal Resolution, Formal Resolution 28
 Campus Regulations, Petition and Hearing Process 27
 Attendance and Automatic Withdrawals, Voluntary Withdrawal 28
 Probation and Dismissal, Eligibility & Certification of Veteran Student Applicants 28
 Changes in the Catalog 30
GRADUATION REQUIREMENTS 31
 Credit For Correspondence And Extension Courses 34
TRANSFER REQUIREMENTS 34
 Intersegmental General Education Transfer Curriculum 36
VOCATIONAL/OCCUPATIONAL CURRICULA 38
SPANISH TRANSLATION 39
COURSES OF INSTRUCTION 52
 Prerequisite, Corequisite, Advisories on Recommended Preparation and Limitations on Enrollment 52
 Challenge Process, Summer Session, Winter Session, California Articulation Number (CAN) 52
 New Course Numbering 55
COURSE DESCRIPTIONS 55-123
APPRENTICESHIP TRAINING PROGRAMS 124
 Course Descriptions 124-128
MAJORS 130-145
CERTIFICATE PROGRAMS 146-157
ADMINISTRATION, FACULTY, EMERITUS FACULTY 158-164



Imperial Valley College Welcomes You

Opening the IVC Catalog is like opening the window to a chance of a lifetime. You will find a variety of programs and services of higher learning, rich in both breadth and depth. Associate degree and certificate programs are offered in a variety of career/technical areas just the same as general education and transfer major courses for university parallel programs.

Our Board of Trustees, administration, faculty, and staff are interested in providing you with an excellent education to assist you in achieving your educational and career goals. Ask for programs that will address your specific needs, and we will do everything possible to provide you access. If you are graduating from high school, and are ready for college English and mathematics, you may be qualified for the ASPIRE Program that grants you registration priority and transfer-focused counseling. Unlike other higher education institutions, IVC's tuition is coming down (\$26 to \$20 per unit) instead of going up. While the new science building will be underway and will be open in the 2008 - 2009 school year.

You will find our faculty members are excellent instructors who are sensitive to your needs. Our main campus and extended campus centers are convenient. The cost is affordable and a variety of financial aid are available. The application process is easy. If you have not visited the IVC Campus, please do so at your earliest convenience. The campus is beautiful and the people here are friendly and helpful.

Our catalog is our contract with you. Please read and use it wisely to optimize your enrollment here at IVC. We want you to be thrilled with your experiences here.

Paul Pai, Ed.D.
Superintendent/President

**IMPERIAL COMMUNITY COLLEGE DISTRICT
THE BOARD OF TRUSTEES**

MR. CARLOS ACUÑA

Trustee from area which includes Central Union High School District

MR. RUDY CARDENAS, JR.

Trustee from area which includes Brawley Union High School District

MRS. NORMA SIERRA GALINDO

Trustee from area which includes Holtville Unified School District

MRS. MARIAN A. LONG

Trustee from area which includes Imperial Unified School District

MR. ROMUALDO MEDINA

Trustee from area which includes Calipatria Unified School District

MS. REBECCA L. RAMIREZ

Trustee from area which includes San Pasqual Unified School District

MR. LOUIS WONG

Trustee from area which includes Calexico Unified School District



ADMINISTRATION

PAUL PAI, Ed.D.
Superintendent/President

KATHY BERRY
Vice President for Academic Services

VICTOR JAIME, Ed.D.
Vice President for Student Services

JOHN LAU
Vice President for Business Services

GONZALO HUERTA
Dean of Instruction, Applied Sciences

JANIS L. MAGNO
Dean of Financial Aid and State Programs

EFRAIN SILVA
Dean of Instruction, Extended Campus

ROBIN YING, Ph. D.
Dean of Technology & Learning Services

KATHIE WESTERFIELD
Dean of Admissions and Records

VACANT
Associate Dean of Nursing Education and Health Technologies (Interim)

TED CEASAR
Associate Dean of Disabled Student Programs & Services

TRAVIS GREGORY, M.Ed., SPHR
Associate Dean of Human Resources/EEO

SERGIO LOPEZ
Associate Dean of Student Affairs

INSTRUCTIONAL DIVISIONS

KRISTA BYRD
Division of Behavioral Science and Social Science

VALERIE RODGERS
Division of Business

DAVID ZIELINSKI
Division of English

DAVID DRURY
Division of Exercise Science, Wellness and Sport

MELANI GUINN
Division of Humanities

VACANT
Division of Nursing Education and Health Technologies (Interim)

LIANNA ZHAO, M.D.
Division of Science, Mathematics and Engineering

IMPERIAL VALLEY COLLEGE 2007-2008 CALENDAR

2007

August	17	Friday	Orientation (Non-Instructional Service Day)
	20	Monday	Fall Semester Begins
	25	Saturday	First Day of Saturday Classes
September	3	Monday	Holiday (Labor Day)
November	12	Monday	Holiday (Veterans Day)
	22-24	Thursday-Saturday	Recess (Thanksgiving)
December	3-8	Monday-Saturday	Final Exams
	10-14	Monday-Friday	No Classes - Campus Open
	17-31	Campus Closed	Winter Recess

2008

January	1	Tuesday	Holiday (New Year's Day)/Last Day of Winter Recess
	3	Thursday	Winter Intersession Begins
	21	Monday	Holiday (Martin Luther King's Birthday)
February	5	Tuesday	Winter Intersession Ends/Final Exams
	8	Friday	Holiday (Abraham Lincoln's Birthday)
	11	Monday	Spring Semester Begins
	16	Saturday	First Day of Saturday Classes
	18	Monday	Holiday (President's Day)
March	23	Sunday	Easter
	24-29	Monday-Saturday	Spring Recess
May	26	Monday	Holiday (Memorial Day)
June	2	Monday	Final Exams Begin
	6	Friday	Final Exams End
	7	Saturday	Graduation (Non-Instructional Service Day)

The College



THE COLLEGE

HISTORY OF IMPERIAL VALLEY COLLEGE

More than 40 years ago, a small group of students gathered for the first day of classes on a 160-acre plot of land at the Intersection of Highway 111 and Aten Road. It was the culmination of years of hard work by the citizens of this county to finance and build a free-standing Imperial Valley College.

Construction of the campus had been approved two years before when community college district residents set an all-time state record, voting thirteen to one in favor of bonds to finance the new IVC campus.

But even though the grand opening of the main campus in 1962 signaled a new era for higher education in the Imperial Valley, IVC's roots run even deeper into the county's heritage.

Exactly 40 years before the opening of the new campus, classes of Central Junior College began on the grounds of Central Union High School in El Centro—in September 1922. Two years later, in the fall of 1924, instruction began at the Brawley Junior College, located at Brawley Union High School.

Central Junior College first conferred the Associate in Arts degree in 1934. Enrollments increased in both schools until World War II, when attendance dropped sharply. Brawley Junior College was forced, by lack of attendance, to discontinue classes at the close of the 1947 school year.

In the fall of 1951, students, in cooperation with the administration and faculty, petitioned the Board of Trustees for a more representative name for the college. It was now serving students from all of the Imperial Valley. By action of the Board, the name was officially changed to Imperial Valley College.

The school, under the administration of the Central Union High School District, gained recognition as an accredited institution of higher education. As the institution grew with the community, this growth was reflected in the steady rise in enrollment and in the diversity of courses and curricula that was offered.

The extended-day program, which offered regular college classes at night, was initiated on a limited basis in 1952. Its rapid growth served to enlarge the service of the college to the community.

A recommendation that a county wide community college district be established in Imperial County was submitted to the State Department of Education and was approved on July 10, 1959. The Imperial County Superintendent of Schools then set a date for an election at which all qualified voters residing within the boundaries of the seven high school and unified school districts were eligible to vote. The election was held on October 6, 1959; and by an overwhelming vote, the Imperial Valley Junior College District was established. This was followed by the election of the members of the Junior College District Board of Trustees, one of whom comes from each of the seven high schools or unified school districts represented in the area served by the Imperial Junior College District.

This District includes all of Imperial County except a small area in the northwest corner of the County, which is a part of the Desert Community College District.

Because of the increase in enrollment at both Central Union High School and Imperial Valley College, and because of the lack of space on the Central Union High School Campus, Imperial Valley College moved to temporary quarters erected on the campus of the Imperial Valley Union High School in Imperial, California.

On October 4, 1960, the people of Imperial County set an all-time state record when they voted thirteen to one in favor of bonds to finance the building of a new campus.

The Board of Trustees selected a nationally known architectural firm to plan the new buildings, and a 160-acre site, which met the criteria, recommended by the Citizens' Committee was selected for the new campus.

On January 13, 1971, the Board of Trustees changed the name of the District to Imperial Community College District in order to further emphasize the close relationship the college has with its service area.

The following Superintendent/Presidents have served the District and College over the last forty years:

Milo P. Johnson	1960-1963
Dr. Terrel Spencer	1963-1978
Dr. Dan Angel	1978-1981
Dr. John A. DePaoli	1981-1995
Dr. Gilbert M. Dominguez	1996-2002
Dr. Paul Pai	2003-2007

FACILITIES

The original Imperial Valley College main campus, which opened in September 1962, consisted of library, science laboratories, fine arts rooms, student activities building, academic classrooms, administration and faculty offices, social science rooms, physical education shower and locker rooms, and agricultural education classrooms and shop.

A steady growth pattern began in April 1967 with the addition of the multipurpose building. The building was designed to house sporting and theater events, and was comparable to any such community college structure in the State. Three other projects followed which were completed through community donations: the Janey Jackson Memorial Fountain, 1969; the renovation of the Holtville Train Depot, located in the cactus garden, 1971; and the Meyer Center for Business and Commerce. The Meyer Center was dedicated February 20, 1972, at ceremonies commemorating the 50th anniversary of the Imperial Community College District. Also recognized the same day was the opening of an Archaeological Museum at 442 Main Street in El Centro in buildings donated by Howard P. Meyer, and the new agriculture-welding complex. The museum was later named the Barker Museum, honoring Michael Barker, deceased. Mr. Barker was an IVC archaeology instructor.

The museum, now named the Imperial Valley College Desert Museum, has since been relocated to the Imperial County community of Ocotillo, which is in the middle of some of the Imperial Valley's precious archeological resources. The museum is now owned and operated by a separate nonprofit foundation.

Other building projects have included:

- * Associated Students Activities Building, 1971;
- * Spencer Library Media Center, in 1975, named in honor of the late Terrel Spencer, President Emeritus;
- * Swimming Pool Complex, 1975;
- * Remodeling of the Student Union and the cafeteria into the College Center complex, 1977;
- * Preschool, 1981, which was constructed off Highway 111 on a section of the campus named Rider Park, honoring the late Amos R. Rider, who was the first custodian and maintenance supervisor at the new IVC campus;
- * Modernization of facilities to remove architectural barriers to the handicapped, 1982

On September 17, 1982, ceremonies were held to commemorate the 20th anniversary of the beginning of class instruction. From less than one thousand students a year in the early sixties, the college now enrolls approximately seven thousand students each year.

In June 1985, the California State Legislature approved an augmentation to the state budget in SB 150 to include full funding of the construction of a Health Sciences Building. In November 1986, Imperial Valley College began construction of a 17,500 square foot building that now houses the Health Sciences Program and the Disabled Students Program and Services. The Health Sciences Program had been scattered in several buildings on campus, while the Disabled Students Program was located in temporary metal buildings that have been on campus since 1961. The \$2.2 million project was completed at the end of 1987, which was also the 25th anniversary of the opening of Imperial Valley College.

A \$2.5 million General Obligation Bond for IVC was approved by 73 percent of the voters in November 1987. The monies developed by the Bond allowed the college to do major campus refurbishing and other general improvements such as: doubling the number of parking spaces; improving campus lighting; opening an extended-campus center in El Centro providing a women's softball field; rejuvenating classrooms, the library, the college center, the counseling center, the print shop; doubling the size of the Meyer Center for Business and Commerce; and computerizing the energy control system.

In May 1999, the Spencer Library Media Center opened a 4,200 square foot addition funded by the State of California that houses the Learning Center and Tutoring Center. The \$1,000,000 project included a complete renovation of the existing library.

The Reading/Writing Lab began operating from the Spencer Library and in 1975 it moved to the 1600 building. In 1999, the building was dedicated as the Jean Raulston Reading/Writing Lab. In April 2002, the Jean Raulston Reading/Writing Lab was relocated to the newly constructed 2600 building, sharing space there with the Pauline Benoit Rice Language Lab. The late Pauline Benoit Rice was the first French professor hired in 1963 and she also taught Spanish and Humanities for 26 years. She was instrumental in redesigning and enlarging the Language Lab and expanded its services to include ESL. The late Jean Raulston was an English professor

who served IVC for 17 years, and was instrumental in development of the Reading and Writing Lab programs.

The Childhood Education Center celebrated its grand opening on October 28, 1991 and the Infant Care Center was built and opened for service in June of 1999. These facilities are Lab-type schools being used to provide higher educational opportunities for IVC students and train future Early Childhood and Multi-Subject Teachers in the field of Early Child Education.

The gymnasium was dedicated on May 26, 1996 as the John A. "Buck" DePaoli Sports Complex in honor of the late John A. "Buck" DePaoli who served IVC for 30 years, of which 14 years were as Superintendent/President.

The IVC Desert Museum property is located in Ocotillo, California just south of Interstate 8 and can be seen from the highway. The IVC Museum rest area and landscaping were completed in 1999. The project was funded through a CalTrans grant. Construction of the museum building began in September of 2000. The Museum Society has funded construction, but is pending completion. On January 25, 2006, the California Cultural & Historical Endowment approved and awarded a grant of \$244,642 to the IVC Desert Museum for its completion. In fall 2006, a federal transportation bill sponsored by Congressman Bob Filner provided \$800,000 to improve the drop off from Interstate 8 to the museum and to address transportation-related issues of the area around the museum.

The Ray White Tool Distribution Center aids the Industrial Technology tool and equipment needs. At the fall 2000 grand opening, Ray White was honored as a retired and long-term Automotive Technology Instructor who served IVC from 1964-1998.

A General Obligation Bond, Measure "L", was passed in November 2004 by Imperial County voters to authorize Imperial Community College District a total of \$58.6 Million in bonds. The first sale of \$24.5 Million worth of bonds was successful in January 2005. The Bond Measure "L" building project includes: (1) a 67,000 square foot two-story Science Building, (2) a 52,000 square foot Technology Building, (3) a 38,000 square foot Career Technical Building, and (4) modernization and maintenance of the campus.

Institutional Master Plan For 2003-2006

The Institutional Master Plan was developed in collaboration with the members of the Imperial Community College District Board of Trustees, faculty, staff, students, and administration. This Plan provides a sense of vision and a guide for multi-year planning. A comprehensive analysis of both internal and external environments influencing future development of the College, and an examination of the present and anticipated development of both the instructional and support services areas is outlined in the Master Plan. The 2003-2006 Master Plan is under development. Please contact the President's Office at (760) 355-6219 for more information.

Accreditation Report

The Accrediting Commission of Community and Junior Colleges, Western Association of Schools and Colleges Evaluation Team visited Imperial Valley College on March 6-8, 2001, to validate the institutional self-study report. The Commission reaffirmed accreditation through 2006, with a requirement that the college complete an Interim Report by November 1, 2002, which focused on four recommendations made by the Evaluation Team.

An Evaluation Team visited the college on November 4, 2002, to validate the Interim Report that was submitted to the Commission in October 2002. The Commission accepted the report made by the Evaluation Team, with a requirement that the College submit a Focused Midterm Report by March 15, 2004, which was followed by a visit by Commission representatives.

Campus Location

Imperial Valley College is located in California's southernmost county, Imperial County, which borders both Arizona and Mexico. Supported by an extensive and highly efficient below sea level irrigation system, Imperial County ranks among the top 10 agricultural counties in the nation. Total agricultural production value annually exceeds \$1 billion. The Imperial County's fertile soil and mild climate allow farmers to enjoy year-round planting, cultivation and harvest. More than 580,000 acres of Imperial Valley land is farmed, producing many field and vegetable crops. The mild, delightful winters have made the region attractive to tourists and helped it to become an outstanding recreational region as well. It is also the winter training headquarters for the Navy's Flight Demonstration Squadron, the Blue Angels.

The Imperial Valley College campus is located on a 160-acre site at the intersection of Highway 111 and Aten Road, in Imperial, California. This location is in the heart of Imperial County and is within reasonable commuting distance of all of the cities in the Valley. There are also extended campus centers in the cities of El Centro, Brawley and Calexico.

MISSION

The mission of Imperial Valley College is to foster excellence in education that challenges students of every background to develop their intellect, character, and abilities; to assist students in achieving their educational and career goals; and to be responsive to the greater community.

INSTITUTIONAL STUDENT LEARNING OUTCOMES

"The graduates of Imperial Valley College will demonstrate communication skills, critical thinking skills, personal responsibility, information literacy, and global awareness as a result of their educational experience at this institution."

ACADEMIC FREEDOM STATEMENT

The common good of society depends upon the search for knowledge and its free exposition. Academic freedom is essential to both these purposes and is the right of reasonable exercise of civil liberties and responsibilities in an academic setting. As such it protects each person's freedom to express opinions both inside and outside the classroom, to practice one's profession as teacher and scholar, librarian, or counselor, to carry out such scholarly and teaching activities as one believes will contribute to and disseminate knowledge, to express and disseminate the results of scholarly activities in a reasonable manner, and to select, acquire, disseminate and use documents in the exercise of one's professional responsibilities, all without interference and all with due and proper regard for the academic freedom of others. Academic freedom does not require neutrality, but rather makes commitment possible. However, academic freedom does not confer legal immunity, nor does it diminish the obligations of practitioners to meet their duties, their responsibilities, and their scholarly obligations to base research and teaching on an honest search for knowledge.

DISCLAIMER

Imperial Valley College is committed to providing students with the most accurate, current information available regarding the College's programs, courses, regulations, and policies. However, there may be times when course changes concerning prerequisites, content hours, or units of credit are determined after publication of the catalog or when district policy or state regulations dictate a change in current practice. When such a circumstance arises, every effort will be made through the class schedules, public media, and at the time of registration to notify students of any changes in the course descriptions or college policies, as presented herein. Students with questions or concerns about a specific course need to contact a counselor at (760) 355-6246 or contact the appropriate division office as noted with the "List of Courses." Questions or concerns regarding standard practice and process can be directed to the Office of Admissions and Records at (760) 355-6201.

TYPES OF COURSES AND PROGRAMS

In order that Imperial Valley College may achieve its goal of serving all students who desire to learn, a variety of courses are offered. Some will equip a student with job entry-level skills, and other courses provide a general education for all students to assist them in living meaningful and productive lives in a complex society. Still other types of courses provide the basis for professional training offered by four-year colleges and universities. Regardless of the interests of the students, the first two years of college work normally can be completed at Imperial Valley College. Thus, students have an opportunity to begin their advanced education while still residing at home. Not only can this opportunity be of great financial assistance, but it offers an excellent transition between the high school campus and the large, often impersonal, four-year college campus. The intimate, though scholarly, atmosphere of the college, the opportunity for each student to know instructors personally, and the chance to participate in the counseling program, all offer invaluable opportunities to the student. Not only can the student receive excellent personal assistance with work, but the opportunities for leadership in student affairs are increased.

Through the counseling program, a close scrutiny is given to the courses in which a student enrolls. The student plans ahead, sets up goals and systematically includes those courses of study that will be of the greatest benefit.

Many of the needs of the student who seeks employment at the end of the sophomore year can be met by a variety of occupational courses. In addition to offering a breadth of education, they meet specific needs in the shortest possible time to prepare the student for a field of employment.

These courses also offer a well-organized general education program to meet the needs of the individual who has only two years to devote to post-high school education.

The community college program also includes courses of study which may be taken by adults who can demonstrate their ability to do college work but who have not had the opportunity to complete high school. Evidence of success in classes of college level will permit these adults to continue their educational endeavors.

Coordinated with the general divisions of courses at the college are six programs designed with specific types of students in mind: students who can devote only evenings to school; students who cannot fully participate in regular classes on the main campus; students who can coordinate their college study with a program of employment; the outstanding high school 11th and 12th grade students who can profit by special work at the college level; and students with disabilities.

1. Attendance of Local High School Students

Local high school students attending the college under the Honors or Vocational programs are restricted to a spectator’s role in college student activities, and extracurricular participation is to be confined to the high school. Counseling is available at the college, but every effort will be made to leave this responsibility to the high school counseling staffs.

Students must be authorized for attendance and shall receive appropriate college credit. High school credit for Honors or Vocational classes may be negotiated.

Students must attend high school for the minimum school day.

Admission of 11th & 12th Grade High School Students

The governing board of any two-year community college may admit to the community college as a special part-time student any 11th or 12th grade high school student whose admission is recommended by the high school principal. A principal of a high school may recommend a high school student as a special part-time student pursuant to rules and regulations which may be adopted by the governing board of the district maintaining the high school.

The student is authorized attendance at a community college as a special part-time student pursuant to this section and shall receive credit for community college courses completed in the same manner as if regularly enrolled at the community college.

Admittance of Pupil Who Has Completed 11th Grade to Summer Session: Crediting Summer Session Attendance

The governing board of any two-year community college may admit to the summer session of the community college as a special student any high school student who has completed 11th grade and whose admission to summer session is recommended by the principal of the high school in which the student completed the 11th grade. A principal of a high school may recommend such a student as a special student pursuant to rules and regulations which may be adopted by the governing board of the district maintaining the high school. A principal of a high school shall not recommend a number of students who have completed the 11th grade in excess of 5 percent of the total number of students in the high school who have completed the 11th grade immediately prior to the time of recommendation.

The attendance of a student at community college as a special summer session student pursuant to this section shall be credited to the district maintaining the community college for the purposes of allowances and apportionments from the State School Fund and the student shall receive credit for community college courses completed, in the same manner as if a regularly enrolled community college student. (E.C. 76001)

2. Administration of Justice Credit for Administration of Justice Coursework

POLICY: Students who have successfully completed a certified Basic Academy Program in Law Enforcement or corrections within the last three years may petition for Imperial Valley College coursework credit or waiver within the Administration of Justice curricula. Credit may be given upon documentation of Academy completion and Division Chair approval.

PROCEDURE: To obtain IVC credit for completing a certified Basic Academy program in Law Enforcement, the student should contact the Registrar’s Office to petition for credit or waiver. The student must be enrolled at the same time of submission of the petition.

The following certified training academies meet the course requirements listed below:

U.S. BORDER PATROL ACADEMY, D.H.S.		
AJ 110	Police Community Relations	3.0 Units
CALIFORNIA HIGHWAY PATROL ACADEMY		
AJ 141	Arrest & Firearms	3.5 Units
CALIFORNIA P.O.S.T. BASIC ACADEMY		
AJ 100	Intro to Administration of Justice	3.0 Units
AJ 141	Arrest & Firearms	3.5 Units
CALIFORNIA DEPARTMENT OF CORRECTIONS ACADEMY		
(San Joaquin Delta College Affiliation)		
AJ 141	Arrest & Firearms	3.5 Units

Reserve Officer Program (P.O.S.T)

Imperial Valley College offers a Level III and Level II modular format Reserve Peace Officer program. The courses satisfy the training standards set forth by the California Commission on Peace Officer Standard and Training (P.O.S.T)

Reserve Officer Level III- Upon successful completion the student is eligible to be hired by a law enforcement agency, to perform specified limited support duties (traffic control, security parades and sporting events, report writing, evidence transportation, parking enforcement, and other duties) that are not likely to result in physical arrests, while supervised in the accessible vicinity by a Level I Reserve Officer or a full-time regular officer. The Level III Reserve Office may also transport prisoners without immediate supervision.

Reserve Officer Level II- Upon successful completion, the student is eligible to be hired for general law enforcement duties and will work under the immediate supervision of a peace officer who has completed P.O.S.T. Regular Basic Course. The Level II Reserve Officer may also perform limited support duties authorized for a Level III officer without immediate supervision.

Admission to the Program- Students entering the program must be at least 18 years old, be a U.S. citizen or have applied for U.S. citizenship, have no felony or domestic violence convictions, have a recent Department of Justice fingerprint clearance, and be in good physical and mental health.

P.O.S.T mandated exams must be successfully completed.

ENGL 098 is required for AJ 141, Arrest and Firearms; AJ 142, Reserve Officer Level III; and AJ 144, Reserve Officer Level II.

Progression Policies-After successful completion of Reserve Officer Level III, the student may take Reserve Officer Level II. The student must complete each level with a grade of "C" or better to receive certification and/or continue to the next level.

All Reserve Officer classes require some Saturday meetings. Students are expected to schedule accordingly, as attendance and grades are strictly mandated.

3. Apprenticeship Training Programs

Apprenticeship Training Programs provide the participant an opportunity for formal training, consisting of a balance between on-the-job-training (OJT) and the related supplemental instruction (RSI) directly associated with the particular trade or industry. OJT is coordinated through the local employer sponsor. Related supplemental instruction is provided by Imperial Valley College. Refer to the Apprenticeship section of the catalog.

4. Community Education (Non-Credit and Fee Based Courses)

Community Education courses provide students with a new opportunity for learning experiences. Recognizing that education is a lifelong process of importance to all age groups, Imperial Valley College provides educational opportunities in the areas of non-credit education and community services.

Non-Credit

Non-credit education is an alternative instructional delivery system. It increases the access for students with diverse backgrounds. Non-credit instruction provides opportunities for students to improve their earning power, literary skills, and access to higher education. Non-credit courses are designed to provide life-long learning opportunities in three primary instructional areas:

1. Literacy: including adult basic education and English as a Second Language.
2. Workforce Preparation: includes short-term career technical education.
3. Family and Community Education: includes instructional offerings in areas that provide family, health, and life skill development

Non-credit courses are open to California residents over the age of 18 and are free. See the current Imperial Valley College Class Schedule for non-credit courses or go online at www.imperial.edu/community.

Community Services

Community service classes are offered as fee based courses in areas of public and community interest. Community service classes include traffic school, motorcycle safety, foreign language, computers and other general areas of interest. Community service classes are open to everyone and are supported by class fees. See the current Imperial Valley College Class Schedule for community service courses or go online at www.imperial.edu/community.

5. Disabled Student Programs and Services (DSPS)

Students with disabilities at Imperial Valley College are eligible for accommodations related to their disability under Section 504 of the Rehabilitation Act and the Americans with Disabilities Act. Services are provided to students with mobility, visual, hearing, speech, and orthopedic impairments, learning disabilities, psychological disabilities, Acquired Brain Injury, and other health impairments. Services are provided on an individual basis and may include reader services, note taking, tutoring, counseling, sign language interpreting, priority registration, learning disability assessment, and adapted computer instruction.

6. Distance Education: Online Courses

As an alternative to the traditional classroom environment, the Distance Education program at Imperial Valley College offers students options and opportunities to earn college credits by taking classes online, in a mixture of online and on-campus classes (hybrid), or through interactive television courses (ITV). Online courses are delivered, wholly or partially, via the Internet. Students complete course work using a course management system (CMS), which includes tools such as e-mail, message boards, chat rooms, and multimedia presentations. ITV courses, by contrast, allow students in distant areas to learn in real time from an instructor at the college. Students interested in online classes should have access to a computer and be comfortable navigating the Internet. Computers are available in the library and various other labs on the main campus and on our extended campuses in El Centro, Calexico, and Brawley. Students enroll in online courses through the regular registration process. Fees and academic credits are the same as on-campus traditional classes. Consult the Class Schedule for additional details.

7. Exercise Science, Wellness, and Sport

IVC strongly believes in the efficacy of health education for all despite age, sex, or physical condition, a class is available and appropriate to the physical performance level of each student.

Exemptions may be granted for:

1. Physical condition (medical excuse required)

Upon petitioning for graduation, a student must show a minimum proficiency in the following:

1. Successful completion of PE 100 (formerly PE 25) plus one elective PE activity unit (3 units required)

Students in physical education activity classes are required to dress appropriately. Appropriate dress for activity classes includes tennis shoes, shorts, sweat pants or jogging apparel, and tee shirts or a similar top for vigorous activity.

8. Extended Campuses

Imperial Valley College's extended campus program provides Imperial County residents a practical and convenient alternative to take college courses for credit, non-credit, and community service classes. The system is operated through a network of three comprehensive centers located in El Centro, Calexico, and Brawley. Classes are also offered at other community locations within the county. Classes are offered in the daytime, evenings, and weekends, and are taught by full and part-time faculty.

Each comprehensive center offers a full range of academic and student support services including academic counseling, financial aid, business services, transcripts, computer labs, and internet access.

The mission of the Extended Campus is to provide comprehensive, quality educational programs and personalized services in strategic location within the county, in support of Imperial Valley College's mission and goals.

9. Preschool & Infant Toddler Center

The preschool which is located in building 2200, is open five days a week from 7:15 a.m. to 5:30 p.m., concurrent with the college calendar. Child care services are available for newborn children to five years of age whose parent(s) meet income guidelines.

10. Nursing - Associate Degree (ADN) Registered Nursing

The Registered Nursing (RN) Program, approved by the California Board of Registered Nursing, prepares graduates to give direct nursing care to patients and/or clients in a variety of health care agencies on a staff nurse level. The curriculum consists of course work in nursing, general education, and clinical nursing practice in local hospitals, health care agencies, and San Diego based Psychiatric hospitals.

Admission to the Nursing Program is by special application. Applications are available in the Nursing Education Office or on the Nursing website at www.imperial.edu/nursing. To be eligible for consideration, applicants must:

1. Be eligible for admission to Imperial Valley College
2. Submit proof of high school graduation or GED
3. Submit unofficial copies of college transcripts indicating completion of the following college level courses, with an overall College GPA of 2.0 or higher:
 - a) Reading and Composition (3 units)
 - b) Human Anatomy (4 units)
 - c) Human Physiology (4 units)
 - d) General (Basic) Microbiology (5 units)
 Beginning Fall 2008, overall GPA will increase to 2.5.
4. Provide a copy of a Basic Life Support Provider (CPR) card upon admission to the program.

To qualify for admission, students must meet the following criteria:

For 2007 - 2008 Academic Year Only

- Qualifying GPA of 2.0 in all degree applicable courses.
- Complete ENG 101, BIOL 200 and 202 or BIOL 204 and BIOL 206, and BIO 220 with a grade of C or better. Applicants with more than one (1) repeat of science courses may have difficulty entering the program. Refer to the website at www.imperial.edu/nursing for more information on this criteria.
- Meet the Reading Competency Requirement. A successful score on the Accuplacer Test or ENGL 089 or higher with a grade of C or better.
- Meet the Math Competency Requirement. A grade of C or better in Math 090 or higher or a successful score on the Accuplacer Test.
- Be at least 18 years of age at the time of admission.
- Be in adequate health to perform the duties of a nurse.
- Although not a requirement at the time of application, students will need to complete a personal background check as per program policy at least one month prior to entry.
- NOTE: Priority will be given to qualified applicants who are residents of the Imperial Community College District

For 2008 and after:

- Qualifying GPA of 2.5 in all degree applicable courses.
- Complete ENG 101 with a grade of C or better; complete BIOL 200 and 202 or BIOL 204 and BIOL 206, and BIOL 220 with a GPA of 2.5 or higher.
- Meet the Reading Competency Requirement.
- Meet the Math Competency Requirement.
- Be at least 18 years of age at the time of admission.
- Be in adequate health to perform the duties of a nurse.
- Complete a personal background check as per program policy at least one month prior to entry.
- NOTE: Priority will be given to qualified applicants who are residents of the Imperial Community College District

NOTE: Meeting eligibility does not guarantee immediate admission. The Nursing Program does not maintain a wait list.

Selection for Admission:

Students will be selected for admission from the application pool according to the following process:

- Approximately 75% of the students who have applied and are qualified for admission to the Nursing Program will be admitted by the attached Academic Score Rubric.
- Approximately 25% of the students who have applied and are qualified will be admitted to the Nursing Program by lottery.
- If there are not enough qualified applicants who are residents within the Imperial Community College District then applicants residing outside the District will be considered.

More information on this criteria is available on the website at www.imperial.edu/nursing.

Licensure:

Upon completion of the Associate Degree RN Program, students will be eligible to apply and take the National Council Licensure Examination for Registered Nurses (NCLEX RN). If performance on the exam is successful, a registered nurse license will be issued. More information on the licensure process can be obtained from the California Board of Registered Nursing's website at www.rn.ca.gov.

Credit by Exam:

Academic credit by examination may be obtained by those whose prior education and/or experience provides the knowledge and skills required to meet the objectives of one or more of the nursing courses. Courses that have a lab component are not open for credit by exam. Students who believe they may be eligible for credit should contact the Nursing Education Office for advisement. For College policy regarding credit by examination, refer to the Credit by Examination section of this catalog.

Progression Policy:

All nursing courses must be taken in sequence. Each course within the major must be completed with a C grade or better to progress to the next level. All skills and clinical courses must be completed with a "Credit" status. All supporting courses must be completed with a C grade or better prior to progression to the next level of nursing.

Associate Degree Nursing (ADN) Curriculum:

All courses must be passed with a C grade or higher:

Pre-application requirements:

ENG 101	Reading & Composition	3 units
*BIO 220	General Microbiology	5 units
*BIO 200	Human Anatomy & Physiology I	4 units
AND		
*BIO 202	Human Anatomy & Physiology II	4 units
OR		
*BIO 204	Human Anatomy	4 units
AND		
*BIO 206	Human Physiology	4 units

* Core science courses must be completed within seven (7) years. Repeat science courses with a D or W grade may affect chances for admission. Refer to website, www.imperial.edu/nursing.

Pre-admission requirement:

PSY 101	General Psychology	3 units
Fulfillment of the Math Competency*		
Fulfillment of the Reading Competency*		

* Refer to the Graduation Requirements section of this catalog.

Nursing courses:

FIRST SEMESTER:

NURS 100	Medication Mathematics	1*
NURS 110	Nursing Process	4.5
NURS 111	Nursing Skills Lab I	1.5
NURS 112	Nursing Process Application I	4
NURS 116	Pharmacology for Nurses	2
SOC 101 or	ANTH 102	3

*Can be taken prior to entering the program

SECOND SEMESTER:

NURS 125	Nursing Process & Application II	8.5
NURS 121	Nursing Skills Lab II	1

SUMMER/WINTER SESSION**:

NURS 200	Psychiatric Nursing	2.5
NURS 202	Psychiatric Nursing Application	1.5

THIRD SEMESTER:

NURS 231	Nursing Process & Application III	8.5
NURS 211	Nursing Skills Lab III	1

FOURTH SEMESTER:

NURS 240	Nursing Process & Application IV	8.5
NURS 221	Nursing Skills Lab IV	1
NURS 230	Nursing Trends	1

**NURS 200 and 202 includes a 4-week Psych rotation in San Diego.

Additional Courses:

Prospective students are strongly encouraged to take all courses listed in the associate degree nursing major. This will allow for greater focus on the core nursing courses once the student has been admitted into the program. After completing the pre-application requirements, the recommended sequence for completing the Associate Degree Nursing curriculum is as follows:

- PSY101 - Introduction to Psychology
- SOC 101 or ANTHRO 102 - Introductory Sociology or Cultural Anthropology
- SPCH 100 - Oral Communication
- American Institutions requirement
- Humanities Elective
- PE 100 - Lifetime Exercise Science
- One-Unit PE Activity Course

Students who have completed all Associate Degree general education requirements and associate degree nursing requirements may wish to take the following recommended courses:

- NURS 100 - Medical Mathematics (w/permission of instructor)
- PSY 204 - Developmental Psychology: Conception to Death
- AHP 100 - Medical Terminology
- VN 214 - Basic Arrhythmia Recognition
- VN 216 - Physical Assessment

Students may also wish to take the following additional requirements to transfer to San Diego State University for a Bachelor's of Science in Nursing degree:

- A Critical Thinking Course (ENG 111, ENG 201, PHIL 106, SPCH 180)
- CHEM 140 - Integrated Chemistry
- MATH 120 - Introductory Statistics with Applications
- POLS 102 - American Government and Politics
- HIST 120 or 121 - United States History
- PSY 204 - Developmental Psychology: Conception to Death

Background Checks:

As of January, 2004, The Joint Commission on Accreditation of Healthcare Organizations (JCAHO) added a new standard for its accreditations involving background checks. Any health care agency that requires employees to have personal criminal background checks must also require the same background check for students and volunteers involved in patient care.

Beginning Spring 2007, the IVC Nursing Program will require background checks on all students enrolled and/or entering the program. Students who do not pass the background check may not be eligible to participate in clinical training, and may, therefore, be dropped from the program. Students wishing to obtain more information on completing the background check can logon to the American Databank website at www.sdnsbackground.com. The minimum fee is \$65.00.

Prior Convictions/Misdemeanors:

Students who are known to be actively involved in child, spouse, or elder abuse, or involved with drugs, WILL NOT be admitted to the program. Students in the program who are found to be involved with the above, face dismissal from the program.

Students who have been convicted of a misdemeanor or felony are required to disclose this information on their application to take the RN licensure exam. A conviction may affect eligibility to take this exam. In the State of California, a convicted child abuser will never be allowed to obtain an RN license. Students who have concerns about these circumstances should contact the CA Board of Registered Nursing at (916) 322-3350 or logon at www.rn.ca.gov before starting the program.

Advanced Placement for LVNs:

Imperial Valley College offers three (3) options for LVNs wishing to advance to the RN level. All options are open to students who have an active California LVN license. Admission to each level is based on space availability.

OPTION 1 - Associate Degree

LVNs seeking to complete the Associate Degree Registered Nursing Program at Imperial Valley College must complete all prerequisite courses prior to entering the program. Students can apply to the program by the deadline period of September 1st through September 30th for Fall admission.

Pre-application requirements:

- ENG 101 Reading & Composition 3 units
- BIO 220 General Microbiology 5 units
- BIO 200 Human Anatomy & Physiology Pt. 1 4 units
- AND**
- BIO 202 Human Anatomy & Physiology Pt. 2 4 units
- OR**
- BIO 204 Human Anatomy 4 units
- AND**
- BIO 206 Human Physiology 4 units
- SOC 101 Introductory Sociology 3 units
- OR**
- ANTH 102 Cultural Anthropology 3 units

Pre-admission requirements:

- PSY 101 General Psychology 3 units
- Fulfillment of Math Competency*
- Fulfillment of Reading Competency*

*Refer to the Graduation Requirements section of this catalog for more information.

In addition to the above, the following general education requirements must be met PRIOR to graduation to obtain the A.S. degree at the time of completing the RN Program. Students are advised to have them completed before entering.

- SPCH 100 Oral Communication 3 units
- American Institutions Requirement 3-6 units
- Humanities Elective 3 units
- PE 100 Lifetime Exercise Science 2 units
- PE Activity Course 1 unit

Prior to submitting an application, students should meet with a counselor, or the IVC Nursing Counselor, to confirm program and degree requirements. You can reach the Nursing Counselor at (760) 355-6246 for an appointment or by email at estella.orfanos-woo@imperial.edu.

Testing Requirements/Transition Course:

Students will be required to complete assessment testing prior to starting the program. Some of the areas to be tested are OB/Maternal Child and Fundamentals. A fee will be charged for each test which includes study materials. In addition, a medication administration exam will also be required and must be passed with a 92% score. Students will have three (3) attempts to pass this exam. A practical skills test will also be administered to determine safety and proficiency regarding basic principles of nursing practice.

Completion of the NURS 204 Transition Course is required before starting the program. All of the above testing requirements will be completed within this course. Placement into the RN Program will be determined upon completion of this course. This course will be offered in the Spring and is open to students who have applied and have met the application and admission requirements.

If placed in **THIRD semester**, the following nursing courses are required:

Third Semester:

- NURS 231 Nursing Process & Application III ... 8.5 (Combined theory/clinical)
- NURS 211 Nursing Skills Lab III 1
- Summer/Winter Session:
- NURS 200 Psychiatric Nursing 2.5
- NURS 202 Psychiatric Nursing Application 1.5 (Clinical)

Fourth Semester:

- NURS 241 Nursing Process & Application IV 8.5 (Combined theory/clinical)
- NURS 221 Nursing Process IV 1
- NURS 230 Nursing Trends 1

Application Procedures:

The following must be received by the deadline period of September 1st through September 30th to be considered:

- Nursing Application
- Copy of current California LVN license
- Copy of current AHA Basic Life Support card
- Letter of recommendation from employer verifying LVN experience
- Copies of all transcripts including IVC.
- Disclaimer Form if applying for OPTION II, 30-Unit Option

The required attachments must be submitted with the application.

Background Check/Drug Screen: In addition to the above requirements, students must complete a background check and drug screen prior to entering clinical. The background check is completed online through American DataBank at www.sdnsebackground.com. Once the background check is completed, the lab form for the drug screening is picked up from the IVC Nursing Office and taken to Quest Diagnostics Lab in El Centro. Students will receive an email from ADB once the background check is complete.

OPTION II - 30-Unit Option

Option II is a 30-Unit option established by the CA Board of Registered Nursing to LVNs seeking to become eligible for their RN license. At the time of application, students must sign and submit a disclaimer form indicating they understand the requirements of this option.

The program requires students to complete eight (8) units of prerequisite courses in:

Human Physiology	4 units	(can be substituted pending course content)
Microbiology	4 units	(can be substituted with a 5-unit Microbiology course)
	8 units	

Students can apply by the deadline period of September 1st through September 30th. Students must fulfill the testing requirements as in OPTION I by taking the NURS 204 Transition Course. Placement will be determined upon completion of this course. This course will be offered in the Spring and is open to students who have applied and have met the application and admission requirements

Successful candidates will enter the program at the third semester level and complete the following nursing courses:

Third Semester:

NURS 231 Nursing Process & Application III	8.5 (Combined theory/clinical)
NURS 211 Nursing Skills Lab III	1

Summer/Winter Session:

NURS 200 Psychiatric Nursing	2.5
NURS 202 Psychiatric Nursing Application	1.5 (Clinical)

Fourth Semester:

NURS 241 Nursing Process & Application IV	8.5 (Combined theory/clinical)
NURS 221 Nursing Process IV	1
NURS 230 Nursing Trends	1

Twenty-two (22) nursing units are completed to fulfill the 30-Unit Option. Students are not eligible for the degree under this option and are considered non-graduates when applying for the licensure exam.

OPTION III - Generic Program

The LVN student may choose the option of taking the entire Registered Nursing curriculum. Applicants are encouraged to consider Option I or Option II unless they have been away from nursing for a prolonged period and feel the need to consider this option.

11. Vocational Nursing

The Vocational Nursing Program, approved by the California Board of Vocational Nurse and Psychiatric Technicians, prepares graduates to provide basic bedside nursing care to clients and or patients under the direction of a physician or registered nurse. The LVN utilizes scientific and technical expertise and manual skills. Duties within the scope of practice of an LVN typically include, but are not limited to, provision of basic hygiene and nursing care, measurement of vital signs, basic client/patient assessment, medicated intravenous therapy and blood withdrawal (with VN Board certification).

Admission to the VN Program is by special application. Applications are available in the Nursing Education Office or from the Nursing website at www.imperial.edu/nursing. To be eligible for consideration, applicants must:

5. Be eligible for admission to Imperial Valley College
6. Submit proof of high school graduation or GED
7. Submit unofficial copies of college transcripts indicating completion of the following college level courses, with an overall College GPA of 2.0 or higher:
 - a) Reading and Composition (3 units)
 - b) Medical Terminology (3 units)
 - c) Human Anatomy & Physiology for Health Occupations (3 units)
 - d) General Psychology (3 units)
8. Provide a copy of a Basic Life Support Provider (CPR) card upon admission to the program.

To qualify for admission, students must meet the following criteria:

- Qualifying GPA of 2.0 in all prerequisite courses.
- Complete the following pre-application courses:
 - ENG 101 - Reading & Composition
 - BIO 090 - Anatomy & Physiology for Health Occupations
 - AHP 100 - Medical Terminology
 - PSY 101 - General Psychology
- Be at least 18 years of age at the time of admission.
- Be in adequate health to perform the duties of a nurse.
- Although not a requirement at the time of application, students will need to complete a personal background check as per program policy at least one month prior to entry.

NOTE: Meeting eligibility does not guarantee immediate admission.

Selection for Admission:

Applicants are considered by a selection committee once all prerequisite courses have been met or in progress. Students are encouraged to complete all course work before submitting an application. Selections are based on a point system and points are issued for 1) overall college GPA, 2) ENG 101 GPA, 3) BIO 090 GPA, and 4) residency.

More information on the criteria is available on the website at www.imperial.edu/nursing.

Licensure:

Upon completion of the VN Program, students obtain a certificate of completion in Vocational Nursing and are eligible to apply and take the National Council Licensure Examination for Practical (Vocational) Nurses (NCLEX PN). If performance on the exam is successful, a practical nurse license will be issued. More information on the licensure process can be obtained from the California Board of Vocational Nurse & Psychiatric Technicians' website at www.bvnpt.ca.gov.

Credit by Exam:

The Nursing Program follows College policy regarding credit by exam and/or transfer for the VN Program.

Progression Policy:

All VN courses must be taken in sequence. Each course within the major must be completed with a C grade or better to progress to the next level. All supporting courses must be completed with a C grade or better prior to progress to the next level of nursing.

Vocational Nurse Curriculum

Pre-admission Requirements:

ENG 101 Reading & Composition 3 units

Pre-Clinical Requirements:

AHP 100 Medical Terminology 3 units
 PSY 101 General Psychology 3 units
 BIOL 090 Human Anatomy & Physio. For
 Health Occupations 3 units

VN Courses:

FIRST SEMESTER:

VN 110 Intro. To Patient Care I 5
 VN 112 Intro. To Patient Care II 5
 VN 114 Pharmacology I 1.5
 VN 116 Pt. Care Management & Critical Thinking 2.5
 PSY 204 Developmental Psychology 3

SECOND SEMESTER:

VN 120 Maternity Cycle 5.5
 VN 122 Common Health Problems I 5.5
 VN 124 Pharmacology 2

THIRD SEMESTER:

VN 130 Common Health Problems II 5.5
 VN 132 Common Health Problems III 5.5

Total Nursing Units 38
 Total Units 53

Associate Degree Option:

Students can choose to get an Associate of Science degree in Vocational Nursing if the required degree courses have been met in addition to the VN curriculum. Students should meet with the Nursing Counselor to confirm class requirements.

Background Checks:

As of January, 2004, The Joint Commission on Accreditation of Healthcare Organizations (JCAHO) added a new standard for its accreditations involving background checks. Any health care agency that requires employees to have personal criminal background checks must also require the same background check for students and volunteers involved in patient care.

Beginning Spring 2007, the IVC Nursing Program will require background checks on all students enrolled and/or entering the nursing programs. Students who do not pass the background check may not be eligible to participate in clinical training, and may, therefore, be dropped from the program. Students wishing to obtain more information on completing the background check can logon to the American Databank website at www.sdnsebackground.com. The minimum fee is \$65.00.

12. Work Experience

Work Experience is a cooperative educational program between Imperial Valley Community College and comunity employers. The college provides the organization, the coordiantion of class facilities, and the personnel for the program. The employers provide places towork (workstations) and on-the-job training which has educational value for the students. The unit of credit earned may be used to meet someof the graduation requirements.

DEGREES

The Board of Trustees, on recommendation of the President and faculty of the college, is authorized in accordance with Article 12, Section 102, of the State Administrative Code, Title 5, to confer the Associate in Arts (A.A.) and the Associate in Science (A.S.) degrees. Conditions under which the degrees are granted are outlined in the section on graduation requirements.

The community college degree is awarded to a student who fulfills a two-year organized program of work, either occupational-vocational-technical or lower-division four-year college. A student who wishes to transfer to the upper division of a four-year college must satisfy the course, unit, and grade requirements of the college he/she wishes to enter.

SCHOLASTIC HONORS

Graduation Honors

“**With Distinction**” is granted to those graduates who in the course of their entire college work have achieved a grade point average of 3.5 or higher in degree applicable courses.

“**With Honors**” is granted to those graduates who achieve a grade point average of 3.0 in their college work in degree applicable courses.

President’s Honor List

The president of the college gives special recognition to top scholars each semester by publishing a list of students whose grades for the previous semester show a 3.0 average or better in twelve or more units of work.

FINANCIAL ASSISTANCE

There are several types of financial aid available to eligible students at Imperial Valley College. This assistance is made available by the college district, the state and federal governments, civic groups, and individual citizens. The college participates in available federal financial aid programs, with the exception of the federal student loan program.

Imperial Valley College determines the amount of financial aid that a student is eligible for in accordance with state and federal law.

Return to Title IV Policy: Students who receive federal financial aid and do not attend any classes will be required to repay all of the funds they received. Students who withdraw from all classes prior to completing more than 60% of the semester will have their financial aid eligibility recalculated based on the percentage of the semester completed, and will be required to repay any unearned financial aid they received. The official withdrawal date will be:

1. The date the student officially notified the Admissions Office of his/her intent to withdraw (submit a drop card), or
2. The midpoint of the semester if a student leaves without notifying the college, or
3. The student's last date of attendance.

In addition to the federal programs, there is aid available from the state and the local district in the form of scholarships, work study grants, and loans.

Further information regarding financial assistance may be secured from the Financial Aid Office located in the Counseling Center, Building 100.

EXPENSES

All Fees and Tuition are due and payable at the time of registration.

UNPAID FINANCIAL OBLIGATIONS

Unpaid financial obligations to the college will result in grades, transcripts, diplomas and registration privileges being withheld.

FEES

Enrollment Fee*	\$20.00 per Unit
Foreign and Non-Resident Tuition*	\$173.00 per Unit
Student Representation Fee	\$1.00 per Term
Student Health Fee	
Fall/Spring	\$14.00 per Term
Winter/Summer	\$11.00 per Term
Parking Fee#	
Fall/Spring	\$20.00 per vehicle
	\$15.00 ea. add'l vehicle
Winter/Summer	\$10.00 per vehicle
	\$7.00 ea. add'l vehicle

**Fees are subject to change without advance notice by the State of California.*

#Students enrolled solely in off-campus classes are not required to pay the parking fee.

EXPLANATION OF FEES

The **Enrollment Fee** is mandated by the California State Legislature, with the approval of the Governor and requires all California Community Colleges to charge students an Enrollment Fee each semester.

The legislature has also provided for financial assistance and fee waivers for low income students who cannot afford to pay this fee and who qualify according to State guidelines. Information for financial assistance and fee waivers can be obtained from the Financial Assistance Office.

The **Parking Fee** provides administrative and operating funds for parking and transportation-related facilities.

The **Student Representation Fee** is expended by the college solely for the purpose of student advocacy efforts to Federal, State, and local governments. Students have the right to refuse to pay the fee for religious, moral, political, or financial reasons.

The **Student Health Fee** provides a full-range of health services to IVC students including immunizations, physical exams, basic first aid, health education programs, TB testing, HIV testing, Cholesterol screening, blood pressure screening, and other health services to be determined.

TUITION

Nonresidents and international students are required to pay tuition charges of \$160.00 per unit in addition to the fees outlined above.

The college will accept payment from nonresident and international students in cash, Western Union money orders, traveler's checks, credit cards, debit cards, and bank drafts. Personal checks cannot be accepted. Payment of nonresident and international student tuition cannot be deferred.

OTHER FEES/CHARGES

Insufficient Funds Check Charge

There will be a charge of \$25.00 for checks returned to the college because of insufficient funds.

REFUND POLICY

There is no need to apply for a refund. All eligible refunds will be processed automatically every week, except for periods of registration or late registration.

PARKING PERMIT

ALL vehicles parked on campus must have a valid parking permit. If you will be bringing a vehicle to campus, please complete the vehicle registration form available in the Parking Control Office.

ACCREDITATION

Imperial Valley College is officially accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, which is recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education, American Welding Society, California Association of Alcohol and Drug Educators, California Board of Registered Nursing, California Board of Vocational Nurse and Psychiatric Examiners, Commission on Accreditation of Allied Health Education Programs, Commission on Peace Officers Standards and Training, California State Department of Education, and National Academy of Early Childhood Programs. Accreditation reports are available and may be reviewed at the office of the Superintendent/President.

COUNSELING SERVICES

It is the aim of Imperial Valley College to provide all students with pertinent information they will need in the formulation of their academic and personal goals and objectives and to assist them in being aware of and making the most of their desires, interests, and opportunities. Counseling services are provided by professional counselors who are well-skilled and trained in the areas of academic, vocational, and personal counseling.

The Counseling Center is open between the hours of 8:00 a.m. and 7:00 p.m., Monday through Thursday, and 8:00 a.m. and 5:00 p.m. on Friday, during the year. A Transfer and Career Center, located within the Counseling Center, has an extensive reference library of catalogs from various colleges and universities and resource materials on vocational and career information.

Although counselors assist in long-range planning and in checking specific requirements, **THE RESPONSIBILITY FOR MEETING GRADUATION REQUIREMENTS OR REQUIREMENTS FOR TRANSFER TO OTHER COLLEGES OR UNIVERSITIES MUST BE ASSUMED BY EACH STUDENT.** For assistance and/or more information please come to the Counseling Center, Bldg. 100, (760) 355-6246; or the Extended Campuses Centers (Brawley 344-7213; Calexico 768-9740; or El Centro 353-2180).

STUDENT ACTIVITIES

Student affairs are governed by the Associated Students of Imperial Valley College.

Those students who are socially inclined will find an opportunity for the development of their interests in clubs and the social affairs of the year. Others who are interested in athletics will benefit from a variety of intercollegiate sports and those who are interested in music, publications, or student government will find many opportunities for participation in these activities.

BOOKSTORE AND COLLEGE CENTER

The college bookstore is maintained by the district through a lease arrangement with a private company. All college textbooks and necessary supplies are available. The College Center building contains a snack and coffee bar that provides refreshments and meals for the students.

ATHLETICS

Intercollegiate competition is held in a variety of sports. IVC competes in the Pacific Coast Conference. The Pacific Coast Conference includes Grossmont, Mira Costa, Palomar, San Diego City, San Diego Mesa, San Diego Miramar, and Southwestern Colleges.

LEARNING AND TUTORING SERVICES

The Learning and Tutoring Center provides services to both Imperial Valley College students and faculty. The Learning and Tutoring Center provides comprehensive learning assistance programs through tutorial programs, workshops, and test proctoring. Services are available during daytime and evening hours.

The tutorial program provides free tutoring to all students currently enrolled at IVC for a large variety of courses. The primary goal of the program is to encourage and assist students in the development of their potential as independent learners. The tutorial program provides individual and group tutoring, ESL conversation classes, individual and group study rooms, study skills and workshops, computer terminals, and television sets equipped with VCR and DVD.

Tutoring is provided by appointment and walk-in basis. The tutors are students who have previously excelled in their own coursework and have the recommendation of their instructor. IVC faculty members also form part of our tutors.

WORKFORCE DEVELOPMENT CENTER

The Workforce Development Center (WDC) offers a variety of resources and services designed to enhance the learning process and assist the student in the transition to the workplace. General resources and services include job search assistance, a computer lab featuring software programs to assist individualized study, Internet access, one-on-one tutoring, computerized tutoring, study materials, and learning videos. Workforce development resources include CalJOBS, EUREKA, labor market data, resume programs, job search workshops, and a job board featuring employment postings. WDC also houses the IVC Satellite One Stop Business and Employment Services Center in conjunction with the Workforce Investment Board of Imperial County. The Satellite hosts partner agencies on a rotating basis that provide in-depth job search assistance to IVC students at no cost. The Center is located in building 1700.

ASSESSMENT

It is the policy of Imperial Valley College that new students seeking to enroll in their initial reading, writing, and/or math classes be assessed. Assessment includes basic skills testing, needs analysis, evaluation of past performance, aptitudes, goals, learning and study skills, and motivation. Students may be exempt from the basic skills testing portion of assessment if they enroll in entry level classes for which there are no prerequisites, or if they submit scores from recently taken tests which articulate with those used by Imperial Valley College. No portion of the assessment process is used to exclude students from admission to the college.

MATRICULATION PROCESS

Matriculation is a process that promotes and sustains the efforts of community college students to achieve their educational goals through a coordinated program of instruction and the use of appropriate college programs and services. Enrollment at IVC constitutes an agreement in which the college is responsible for:

- * Helping students to succeed in their college careers.
- * Assisting students in making decisions based on accurate information.
- * Offering services and resources for proper course selection.
- * Providing an opportunity to develop a Student Educational Plan (SEP).

Students are responsible for:

- * Selecting an educational goal or major by the semester following the completion of 15 semester units.
- * Registering for classes.
- * Attending class regularly.
- * Taking college seriously.
- * Meeting with a counselor to develop a Student Educational Plan (SEP).
- * Requesting additional services when needed.
- * Completing their educational goal.

The college may suspend or terminate services to any student who fails to fulfill his/her responsibilities. However, the college may never suspend or terminate any service for which a student is otherwise entitled under any other provision or law. In addition, students may challenge any matriculation requirement or regulation using the student petition process.

REGULATIONS

ADMISSION

Admission to Imperial Valley College is governed by the laws of the State and such supplementary regulations as prescribed by the Board of Trustees. Students who register for eight or more units of work in a given semester or upon an accumulation of eight or more units, are requested to (1) ensure that an official transcript of all work taken in high school and/or institutions of higher education are on file in the Registration Office; and (2) complete the college placement tests (unless they have completed regular college courses in both English and mathematics).

All students are admitted under one of the following classifications:

1. High school graduates or equivalent certificates (General Educational Development or California High School Proficiency Examination)
2. Nongraduates of high school who are eighteen years of age.
3. High school students who are recommended by the high school principal for one to nine units of work. (Must submit a Concurrent Enrollment Form.) Extracurricular participation is to be confined to the high school. These students must attend high school for the minimum school day.
4. College transfers who submit official transcripts (high school and college) may be granted advanced standing.
5. Prospective foreign students and students from other states may be accepted for enrollment. A tuition fee will be charged. Contact the Registration Office for current costs.

TRANSCRIPTS

Imperial Valley College furnishes two free transcripts. Thereafter, a fee of \$2.00 is charged for each additional transcript. Requests for transcripts will not be honored until all outstanding obligations to the College are met.

FOREIGN TRANSCRIPTS

Imperial Valley College does not evaluate foreign transcripts. A student may request the foreign transcript be evaluated by:

International Education Research Foundation, Inc.
P.O. Box 66940
Los Angeles, CA 90066
www.ierf.org

By student petition, Imperial Valley College may accept lower division course work recommended by I. E. R. F. when appropriate for associate degree consideration only.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the College receives a request for access.

Students should submit to the Director of Admissions and Records written requests that identify the record(s) they wish to inspect. The Director of Admissions and Records will make arrangements for access and notify the student of the time and place where the records may be inspected. If, the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the College to amend a record that they believe is inaccurate or misleading. They should write the College official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent) person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate education interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the College discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Imperial Valley College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
600 Independence Avenue, SW
Washington, DC 20202-4605

The following information will be available in the Admissions and Counseling offices on each enrolled student: name, address, telephone, date and place of birth, classes and units in which the student is enrolled, dates of attendance, enrollment date and completion/withdrawal date, activities and sports participated in, field of study, weight and height of athletes, most recent previous school attended, and degrees and certificates awarded. Any student who does not wish his/her name included on the listing must file a petition requesting deletion from the list before the opening of the school term.

For additional information or a copy of the entire law, contact the Registration Office in the Administration Building.

NONDISCRIMINATION POLICY

Imperial Valley College does not discriminate in the admission nor in the offering of programs and activities because of ethnic group identification, national origin, religion, age, sex, race, color, medical condition, Vietnam era status, ancestry, sexual orientation, marital status, or physical or mental disability, or because he or she is perceived to have one or more of those characteristics.

Limited English speaking students who are otherwise eligible, will not be excluded from any vocational education program.

(Spanish Translation) (Los estudiantes que están calificados para entrar en el programa de educación vocacional no pueden ser excluidos debido a su limitado ingles).

The coordinator for Imperial Valley College’s compliance with Section 504 of the Rehabilitation Act of 1973 is Mr. Travis Gregory, P.O. Box 158, Imperial, CA 92251, (760) 352-8320, Ext. 212, TTY (760) 355-4174. The Title IX officers for Imperial Valley College are Mr. Lincoln Davis Ext. 289 and Ms. Olga Artechchi Ext. 264, P.O. Box 158, Imperial, CA 92251, (760) 352-8320.

RESIDENCE REQUIREMENTS

Under the Education Code, the general rule is that a student must pay nonresident tuition unless the student can qualify as a resident student or meet the requirements of certain special provisions. Since the concept of residence involves subjective intent, this catalog cannot anticipate every question that will arise in connection with determining whether such intent exists.

Each person enrolled in or applying for admission to a California Community College is, for the purposes of admission and tuition, classified as a “resident” or a “nonresident”.

Students classified as a “resident” will be admitted without payment of nonresident tuition. Students classified as “nonresident” will be required to pay tuition in an amount set by the Governing Board.

1. A “**resident**” is a person who has resided legally within California for at least one year and a day prior to the term of enrollment.
2. A “**nonresident**” is a person who does not have legal residence in California for more than one year and a day prior to the term of enrollment.

The “**Residence Determination Date**” shall be that date immediately preceding the first day of class either semester or summer term.

Residency requires physical presence in California with an intent to make one’s home here.

To determine a person’s place of residence, reference is made to the following:

1. Every person who is married or 18 years of age, or older, and under no legal disability to do so, may establish residence.
2. There can be only one residence.
3. The residence can be changed only by the union of act and intent.
4. The residence of the parent with whom an unmarried minor child maintains his/her place of abode is the residence of the unmarried minor child. When the minor lives with neither parent, his/her residence is that of the parent with whom he/shemaintained his/her last place of abode. The minor may establish his/her residence when both parents are deceased and a legal guardian has not been appointed.
5. The residence of an unmarried minor, who has a parent living, cannot be changed by his/her own act, by the appointment of a legal guardian, or by relinquishment of a parents’ right of control, unless the student qualifies for the self-supporting exception.

Exceptions to the determination of residency as set forth above may be applied to certain factual situations. If students would otherwise be classified as nonresidents, but fit within one of the following exceptions, they may be granted residency.

1. Minors who have been self-supporting and in California for one year preceding the day before the term, will be granted resident classification.
2. Students who have not been adults for more than one year prior to the resident determination date, may add their pre 18-years-of-age residence to their post-18-years-of-age residence to obtain the durational requirements.
3. Effective January 1, 1995, students who are a member of the armed forces of the United States stationed in California on active duty, except those assigned to California for educational purposes, are exempt from nonresident tuition. The student must be on active duty on the residence determination date.

Dependents of an active duty member of the military who are stationed in California are accorded the exemption from nonresident fees.

4. Adult aliens not precluded from establishing domicile in the United States by the Immigration and Naturalization should be eligible to establish residency if they meet the requirement for physical presence and intent to make California their home. Aliens who hold the following classification are to be able to establish residence using the same criteria as would be applied when evaluating any United States citizen:
 - a. Career Diplomat Visa
 - b. Fiancé Visa

5. A student holding a valid credential authorizing service in a public school and employed in a certificated position by a community college district will be given resident classification.
6. A student who is an apprentice within the meaning of Section 3077 of the Labor Code, is entitled to resident classification.
7. A student who is a full-time employee of a California institution of public higher education, or whose parent or spouse is a full-time employee, may be granted resident classification at the option of the institution of enrollment.
8. A student may be classified as a district resident if he/she lives with a parent who earns a livelihood primarily by performing agricultural labor for hire in California and other states, and the parent has performed such labor in this state for at least two months per year in each of the two preceding years; the parent lives within the district which maintains the community college attended by the student; the parent claims the student as a personal dependent on his/her state or federal income tax returns, if he/she has sufficient income to have a personal income tax liability.
9. A student may be classified as a district resident if he/she earns a livelihood primarily by performing agricultural labor for hire in California and other states, and he/she has performed such labor in this state for at least two months per year in each of the two preceding years.

No one factor is decisive; however, the institution may look for certain objective manifestations of subjective intent on the part of one asserting that residence status has been established, or has been maintained in spite of an absence from the state.

Examples of evidence that aid the college admissions officer in identifying that intent, but which are not individually decisive, are possession of a document of California origin such as a driver's license, a current utility bill, a receipt for registration to vote, a current lease, rental agreement, or rent receipt showing the student's name and address and place of residence, a library card, last year's state and federal income tax information, a current charge account or credit, or a checkbook.

The burden is on the student to demonstrate clearly both physical presence in California and intent to establish California residence.

A student who does not answer all of the questions on the Residence Questionnaire or on the Supplemental Residence Questionnaire, if one is used, may be classified as a nonresident.

ENROLLMENT LIMITATIONS

A regular full-time program is twelve (12) units. An average of 15 to 16 units must be taken each semester, in order to graduate in two years or four semesters. A regular full-time program for summer session is six (6) units.

The maximum load allowed for students during the Fall and Spring semesters is nineteen (19) units, including an activity course in physical education. The maximum load allowed for students during the Summer Session and Winter Intersession is nine (9) units. Excep-

tions to this rule will be made by special permission of the administration (through the petition process) when there is clear evidence of successful scholastic performance.

SHORT-TERM CLASSES

Enrollment procedure for short-term classes are the same as for regular classes. However, listed below are items which pertain to short-term classes only and should be noted:

1. Students may enroll in short-term classes up to one-tenth of the way through the class.
2. The last day to drop a short-term class with a "W" grade is seventy-five percent of the way through the class.
3. Fees may be refunded up to one-tenth of the way through the class.
4. Units and grades for the student will be recognized for the semester in which the class ends. Thus, if the class begins during the fall semester, crosses over and ends in the spring semester, the units and grades will be recorded for the spring semester.

REGISTRATION

Please refer to the current Class Schedule for information and instructions on class registration.

SCHOLARSHIP GRADING SYSTEM

Grades are based upon the quality of work done; that is, upon actual accomplishment in courses offered for credit. Grades showing the standing of students are issued at the end of each semester.

An overall grade point average of 2.0 (C) or higher must be earned in all work undertaken.

1. Grades

- A Excellent
- B Good
- C Satisfactory
- D Pass, Less than Satisfactory
- F Failing
- I Incomplete
- CR Credit (at least satisfactory)
- NC No Credit (less than satisfactory)
- IP In Progress

In progress "IP" symbol is used only when a course extends beyond the normal end of the academic term. A grade will be assigned at the end of the course.

2. Incomplete Grade

An incomplete contract may be negotiated for UNFINISHED WORK, OTHERWISE PASSING indicating that (because of medical or other sufficient reason) an important assignment such as a term paper, final examination, or experiment is missing.

An incomplete (I) grade, which is not made up by the end of the sixth week of the next regular semester, shall be converted to a letter grade. The letter grade shall be used in computing grade point average.

3. Credit Grade

Certain courses designated by the appropriate divisions may be taken for a CR grade.

- a. CR will reflect a letter grade of C or higher.
- b. NC will reflect noncompletion of a credit class.
- c. CR grades are permissible in the student's major field at Imperial Valley College if permitted or allowed by the division or department.
- d. Students applying for CR must adhere to the same class standards or regulations as a student receiving a regular grade.
- e. A maximum of 16 units taken on a credit basis may be applied toward a degree.
- f. The CR grade will satisfy completion of prerequisite for sequence class.

4. Withdrawal Grade

W - Withdrawal

A student may withdraw from any full-term course or from the college with a "W" grade by the end of the 14th week (or 75% of a term, whichever is less).

Any instructor may withdraw a student during the first fourteen weeks (or 75% of a term, whichever is less) for excessive absences.

Grades at the time of withdrawal under either circumstance will be assigned in accordance with the following schedule:

First 75% of class	"W" Grade
Last 25% of class	"Letter" Grade

All withdrawals are official after being processed by the Registrar's Office. Instructors may file a drop card with or without the student's signature through the 14th week (or 75% of a term, whichever is less) of the semester and it will be processed. Students will also have the opportunity to file a drop card through the 14th week (or 75% of a term, whichever is less) and it will be processed. A drop card filed by a student will be valid with or without the instructor's signature. If the instructor's signature does not appear, the instructor will be notified by the Registrar's Office.

Students may be allowed to withdraw from a class or classes in extenuating circumstances after the last day of the 14th week (or 75% of a term, whichever is less) by petition of the student or his/her representative after consultation with the instructor(s).

Extenuating circumstances are verified cases which are clearly beyond the control of the student; i.e., documented cases of serious accident, serious illness, or transfer of a student by military order.

5. Proficiency Enrollment

Once a student has completed a proficiency in a subject area with a satisfactory grade, he/she may not take a lower proficiency level in that subject area. For example: A student cannot enroll in ENGL 100 after having successfully completed ENGL 101. (This does not apply to vocational refresher courses.)

6. Repeating Classes

Students who receive a grade of D, F, or NC in a course may repeat that course one time to earn a better grade. After the second grade is earned, the previous grade and credits will no longer be included in the calculation of the GPA. All grades will continue to be shown on the student's transcript.

Under special circumstances, a student may repeat a course for which a grade of C or better has been recorded. Repetition of these courses is permitted through the Student Petition process. Grades awarded for courses repeated under this provision shall not be counted in calculating a student grade point average.

Refer to the current Class Schedule for procedures regarding repeating of classes.

A student may repeat a certain course beyond the allowable number of designated times by enrolling under the Community Services option for repeated classes, **but for no credit.**

Under this option, students will not be allowed to enroll in the class until after the second class meeting or the second week of classes, whichever comes first. Students must first use all of the allowable semesters for repeating the class (For example: Music 177 would allow four semesters of repeated enrollment). The student first must have the instructor's permission to enroll under the Community Services option.

The fees for the Community Services option for repeated courses are the same as for the normal enrollment fees for the class. Students may inquire at the Admissions Office for further information.

7. Grading Points

Grade points, per semester unit, are assigned as follows:

A -	4 grade points per unit
B -	3 grade points per unit
C -	2 grade points per unit
D -	1 grade point per unit
F -	0 grade points per unit
CR -	0 grade points per unit; units not charged against the student
NC -	0 grade points per unit; units not charged against the student
I -	0 grade points per unit; units not charged against the student
IP -	0 grade points per unit; units not charged against the student
W -	0 grade points per unit; units not charged against the student

The grade point average is computed by dividing total grade points earned by total units attempted less CR units. Thus, in any given semester, if the grade points earned total 28 and the total units attempted less CR units equals 14, the grade point ratio is 2.00.

8. Credit by Examination

An enrolled student may petition to take an examination in lieu of course work between the sixth and fourteenth weeks of each semester. A maximum of 25 units may be used toward graduation through this process. No more than 15 units per semester will be authorized. The fee will be \$20.00 per unit plus \$10.00 for administrative costs for each examination administered. The credit by examination petition is available in the Registration Office.

9. Credit for Advanced Placement Examinations (AP)

Imperial Valley College grants credit toward its associate degrees for successful completion of examination of the Advanced Placement Program of The College Board. Students who present scores of three or better will be granted three to six semester units of college credit per area of examination.

High school students who intend to participate in this program should make the necessary arrangements with their high schools and should indicate at the time they take the Advanced Placement Examinations that their test scores be sent to Imperial Valley College. To obtain credit and advanced placement, the student should contact the Imperial Valley College Admission Office or see an Imperial Valley College counselor.

The Advanced Placement Credit table indicates the units granted for the score attained for each of the examinations offered.

Advanced Placement Credit

<u>Exam</u>	<u>Score</u>	<u>Credit Allowed Toward IVC Associate Degree</u>
Art History	3,4,5	Six (6) semester units
Art Studio		
General	3,4,5	Six (6) semester units
Drawing	3,4,5	Six (6) semester units
Biology	3,4,5	Four (4) semester units
Chemistry	3,4,5	Six (6) semester units
Economics		
Macro	3,4,5	Three (3) semester units
Micro	3,4,5	Three (3) semester units
English		
Lang & Comp	3,4	Three (3) Semester Units
Lang & Comp	5	Six (6) Semester Units
Comp & Lit	3,4	Three (3) Semester Units
Com & Lit	5	Six (6) Semester Units
French Language	3,4,5	Six (6) semester units
History		
American	3,4,5	Six (6) semester units
European	3,4,5	Three (3) semester units
Mathematics		
Calculus AB	3,4,5	Five (5) semester units
Calculus BC	3,4,5	Six (6) semester units
Calculus AB & BC	3,4,5	Six (6) semester units
Statistics	3,4,5	Three (3) semester units
Music	3,4,5	Five (5) semester units
Music-Listening/Lit	3,4,5	Three (3) semester units
Physics B	3,4,5	Six (6) semester units
C (Mech)	3,4,5	Five (5) semester units

C (Elec/Mag)	3,4,5	Five (5) semester units
Political Science		
Govt/Pol Am	3,4,5	Six (6) semester units
Govt/Pol Comp	3,4,5	Six (6) semester units
Govt/Pol Am & Comp	3,4,5	Six (6) semester units
Psychology	3,4,5	Three (3) semester units
Spanish Lang	3,4,5	Six (6) semester units

Conditions:

1. Credit may not be earned at Imperial Valley College for courses which duplicate credit already allowed for Advanced Placement Examinations. **SEE A COUNSELOR.**
2. Credit may be granted only when the student has registered and enrolled in classes.
3. Although Imperial Valley College grants credit for Advanced Placement Examinations, there is no guarantee your transfer institution will do the same.

10. College Credit for Regional Occupational Program Courses

Imperial Valley College can provide students with college credit toward the associate degree for completion of specific Regional Occupational Program (ROP) and high school courses which have been articulated with Imperial Valley College courses.

Disclaimer: The awarding of credit for ROP and high school courses is currently being reviewed statewide for compliance to new state regulations. Imperial Valley College is committed to providing students with the most accurate, current information available regarding the College's programs, courses, regulations, and policies. However, there may be times when changes concerning state regulations are determined after publication of the catalog, which may dictate a change in current practice. When such a circumstance arises, every effort will be made through the class schedules, public media, and at the time of registration to notify students of any changes in the course descriptions or college policies, as presented herein.

For specific articulation agreements please contact the Applied Sciences Office or the Counseling Center.

11. Military Credit

A Guide to the Evaluation of Educational Experiences in the Armed Services, American Council on Education is used to evaluate military school credit.

- a. Presentation of the DD214 (minimum of 180 days active duty to include basic training) to the Veterans Assistant may allow the veteran 4 units of credit for basic training in the military service of the United States of America (2 units for physical education and 2 units for health education).
- b. Additional military credit will be considered by petition and presentation of proper documentation.
- c. Total number of units of military credit is not to exceed 16.

12. Credit for Upper Division Course Work

Upper division credit may not be applied toward an Associate Degree. The only exception is the credit received for an upper division course which is also offered as a lower division course.

13. Academic Renewal

A policy to exclude substandard grades without repeating classes. A student may petition for Academic Renewal only once after a five year lapse of time and after completing 12 units with a 2.0 grade point average or higher.

Either substandard grades (D's or F's) or an entire semester may be excluded. A maximum of two semesters or 30 units may be disregarded. A counselor must be consulted to petition for Academic Renewal. Once Academic Renewal has been done, it may not be reinstated.

CHEATING AND PLAGIARISM

If cheating or plagiarism is discovered, a student may be dropped from the course with a grade of "F".

STUDENT CONDUCT

It is assumed that the entry of a student into Imperial Valley College constitutes the student's acceptance of the Standards of Student Conduct and the regulations published by the college.

The complete Standards and procedures may be found in the Handbook for Faculty Advisors and Student Leaders, which is available in the Office of Student Affairs.

STANDARDS OF STUDENT CONDUCT

Imperial Valley College is maintained for the purpose of providing students in the community with programs of instruction in higher education. The College is concerned with the fostering of knowledge, the search for truth and the dissemination of ideas. Free inquiry and free expression are indispensable to the achievement of these goals. As members of the College community, students are encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth. Students at Imperial Valley College may rightfully expect that the faculty and administration will maintain an environment where there is freedom to learn. This requires that there be appropriate conditions and opportunities in the classroom and on campus. As members of the College community, students shall be encouraged to develop the capacity for critical judgement and to exercise their rights to free inquiry and free speech in a responsible, non-violent manner.

Students shall assume an obligation to conduct themselves in a manner compatible with the college's function as an educational institution. Students shall observe the rules and regulations of the College and shall refrain from conduct which interferes with the College's teaching and administration, or which unreasonably interferes with the rights of others. Misconduct while on the college campus, or at a College-sponsored function for which students and student organizations are subject to disciplinary action includes, but is not limited to, the following:

- (1) Willful disobedience to lawful directions of College officials acting in the performance of their duties.
- (2) Violation of College rules and regulations, including those concerning student organizations, the use of College facilities, or the time, place and manner of public expression or distribution of material.
- (3) Dishonesty, such as cheating, or for knowingly furnishing false information to the college.

- (4) Willful persistent smoking where smoking has been prohibited.
- (5) Unauthorized entry to, or use of College facilities.
- (6) Forgery, alteration, or misuse of College documents, records, or identification.
- (7) Disruption of classes, administration, disciplinary procedures or unauthorized College activities.
- (8) Theft of, or damage to property belonging to the College, a member of the College community, or campus visitor.
- (9) Disorderly, lewd, indecent, or obscene conduct or expression.
- (10) Assault, battery, or the threat of force or violence directed toward any member of the College community or campus visitor.
- (11) Unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance and possession, use, or distribution of alcohol.
- (12) Possession, while on the College campus or at a College sponsored function, of any instrument or weapon of a kind commonly known as a blackjack, fire bomb, billy club, brass knuckles, dagger, or firearm (loaded or unloaded) such as a pistol, revolver, or rifle, or any knife having a blade longer than five (5) inches, any switch-blade longer than two (2) inches, or any metal pipe, bar, or instrument used, or intended to be used as a club, or to be used to threaten bodily harm.
- (13) Commission of any crime on campus, or commission of a crime off-campus, when such off-campus crime is of such a nature that the College needs to impose sanctions in addition to those imposed by the criminal authorities for the protection of other students, or to safeguard the academic process.

Violation of such rules are subject to the following types of disciplinary actions.

- (1) Warning.
- (2) Reprimand.
- (3) Disciplinary action.
- (4) Restitution, reimbursement for damage or misappropriation of property.
- (5) Suspension or removal by instructor.
- (6) Expulsion

The complete policy on Standards of Student Conduct, Disciplinary Action, and Due Process can be found in the Handbook for Faculty Advisors and Student Leaders in the Student Affairs Office or online at <http://student.imperial.edu>

**IMPERIAL VALLEY COLLEGE
STUDENT'S COMPLAINT POLICY**

The purpose of these procedures is to provide a prompt and equitable means for resolving student complaints. A complaint is defined as an actual or supposed circumstance that adversely affects the grades, status, or rights of a student. Complaints concerning course grades are permitted to the extent that such complaints allege mistake, fraud, bad faith or incompetency as set out in Education Code Section 76224 (a).

A student who contends that he/she has been treated unfairly has the right without fear of reprisal to right an alleged wrong. This complaint policy applies to unfairness as it relates to areas such as but not limited to:

- Assignment of grades**
- Deviation from course content**
- Access to classes**
- Refusal of instructor to confer with a student**

This policy does not apply to:

1. Student Code of conduct issues.
2. Allegations of discrimination based on race, color, national origin, sex (including sexual harassment), disability, or age in any of its policies, procedures, or practices, in compliance with Title VI of the Civil Rights Act of 1964 (pertaining to race, color or national origin), Title IX of the Education Amendments of 1972 (pertaining to disability) and the Age Discrimination Act of 1975 (pertaining to age). For complaints of this nature, please refer to the Discrimination Complaint Form.

For a clarification regarding student conduct issues of discrimination issues, the student may contact the Associate Dean of Student Affairs, Associate Dean of Disabled Student Programs and Services, or Title IX Officer.

INFORMAL RESOLUTION

A complaint must be initiated within twenty (20) instructional days of the alleged act or decision. If the alleged circumstance or act occurs during the last twenty (20) instructional days of the Spring semester, the complaint must be made prior to the end of the third Friday of the Fall semester.

- Step 1** Discuss the problem with the individual involved or his/her counselor.
- Step 2** If a mutually satisfactory understanding has not been reached with the other person, the student may, within five (5) days, present the complaint to the immediate supervisor.

<u>If Complaint is About:</u>	<u>Contact:</u>
Faculty	Division Chair/Associate Dean/Dean
Division Chair	Vice President for Academic Services
Administrator	Dean/Vice President or President
Another Student	Associate Dean of Student Affairs

The supervisor must respond orally within ten (10) instructional days of the complaint.

FORMAL RESOLUTION

Step 3 If an informal resolution does not occur within ten (10) instructional days of the supervisor's response, a student may submit a complaint form (form may be found at the back of the handbook) to the Vice President for Academic Services regarding academic matters, or the Associate Dean of Student Affairs regarding non-academic matters. The Vice President for Academic Services or the Associate Dean of Student Affairs will respond in writing to the complaint within ten (10) instructional days of receipt of complaint.

Student Complaint forms are available from:

Associate Dean of Student Affairs Ext. 456

Associate Dean of Disabled Student Programs & Services Ext. 312

Title IX Officer Ext. 298 or 264

Step 4 If a student is not satisfied with the decision made by the Vice President for Academic Services or Associate Dean of Student Affairs, a student may request a hearing within five (5) instructional days of that decision.

Academic matters will be heard by the Admissions, Petitions and Registration Committee. Non-Academic Matters will be heard by the Student Affairs Committee.

A REQUEST FOR A HEARING SHALL BE FILED NO LATER THAN THIRTY (30) INSTRUCTIONAL DAYS FOLLOWING THE INITIATION OF THE COMPLAINT (STEP 2). IF A COMPLAINT IS FILED

WITHIN THE LAST THIRTY (30) INSTRUCTIONAL DAYS OF THE SEMESTER THE PRESIDENT OF THE COLLEGE MAY DELAY ANY FURTHER ACTION ON THE COMPLAINT UNTIL THE NEXT SEMESTER.

Any committee member who has a direct involvement with the complaint shall be excluded from reviewing that complaint or participating in any manner in the determination of the ultimate outcome of that complaint.

Step 5 Hearing Procedures

- a. The appropriate committee will meet within (10) instructional days of the request for a hearing. The Associate Dean of Student Affairs shall notify all parties involved and each committee member of the date, time, and place of the hearing.
- b. The student shall bear the burden of proving the allegations of his/her complaint.
- c. Hearings and the investigation and gathering of evidence conducted pursuant thereto shall be considered confidential unless all parties and the committee agree to a public hearing. The proceeding shall be recorded either by use of tape recorder, or by stenographic reporter.

- d. This is not a legal court proceeding, however all parties may have counsel or other representative present.
- e. At the conclusion of the hearing, the Committee shall meet privately to reach its decision by majority vote and prepare a written statement containing findings of fact, conclusions and its recommendation to the Superintendent/President for his/her approval, rejection or modification. The student will be instructed to contact the Associate Dean of Student Affairs the day following the hearing to be informed verbally of the Committee's recommendation. The Committee's recommendation will also be sent to the student by certified mail within two (2) instructional days after the hearing.
- f. No reprisal of any kind will be taken by the Superintendent/President, any member of the Committee, faculty, staff of the administration, or the Board of Trustees against any aggrieved person, or any witness in the complaint procedure by reason of the required participation.

Step 6 Appeals

If the student desires to appeal the Hearing Committee's recommendation, this appeal must be made in writing directly to the Superintendent/President within five (5) instructional days of the hearing.

The Superintendent/President may approve, reject or modify the Hearing Committee's recommendation within (5) instructional days after the appeal is received.

If the student is not satisfied with the decision of the Superintendent/President, he/she may make a final appeal to the Board of Trustees.

In order for this appeal to be placed on the Board agenda, a request must be submitted at least ten (10) instructional days prior to the next Board meeting. The Board shall then notify the student (s) of its decision within (5) instructional days of the meeting.

Definitions:

A "Student" is a person enrolled at Imperial Valley College within 30 days of the alleged act or decision.

"Instructional Days" are those when the college is in session and classes are being held, excluding Saturdays and Sundays.

CAMPUS REGULATIONS

A speed of 10 mph on campus must be strictly observed. Smoking is prohibited in all buildings and in and outdoor areas within 20 feet of doorways. All nondistrict, self-propelled and/or any motor driven means of movement, other than wheelchairs, are prohibited from using campus sidewalks and playing courts.

PETITION AND HEARING PROCESS

Formerly and currently enrolled IVC students are entitled to seek and receive responses to any questions related to their educational programs in accordance with the Imperial Community College District educational philosophy.

Petition Process

The petition process is used to request exceptions to the rules and regulations in order to meet the student's special needs or circumstances.

Petition Procedure

The student will use a petition form (available in the Registration Office and Counseling Center) and submit his/her request to the Registrar who will review the request and provide a resolution. If the student is not satisfied with the resolution, a request may be made to the Registrar for a hearing before the appropriate committee.

Hearing Process

There are three established areas which may require hearing procedures for students and campus organizations seeking responses to educational questions or issues. These are:

- 1. Standards of Student Conduct
- 2. Access to Student Records and Challenge Procedure
- 3. Grievance Procedure Policy in Matters of Nondiscrimination.

Hearing Procedure

Students and campus organizations are requested to summarize their concerns or issues in writing and submit them to the Registrar who is designated coordinator of the hearing procedures.

ATTENDANCE AND AUTOMATIC WITHDRAWALS

A student who fails to attend the first meeting of a class may be dropped by the instructor immediately following that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class.

Regular attendance in all classes is expected of all students enrolled. Instructors are expected to take a student's attendance record into account in computing grades. A student may be excluded from further attendance in a class during any semester when absences after the close of registration have exceeded the number of class hours which the class meets per week.

A student who is tardy three times may be considered as having been absent once. Absences attributed to the representation of the college at officially approved conferences and contests and attendance upon field trips will not be counted as absences.

VOLUNTARY WITHDRAWAL

A student who is required to withdraw from college because of extenuating circumstances must contact the Registration Office for the procedures to be followed. (See "Withdrawal grades")

PROBATION AND DISMISSAL

Probation is a system of monitoring student progress in order to identify students who are experiencing difficulty in making satisfactory progress toward an appropriate educational objective, and providing special assistance to students in reassessing their educational objectives and guiding them to accomplish these goals. Students who are placed on probation will be identified as early as possible at the termination of each semester and will be referred to the Counseling Center.

Scholastic Probation

Students who have attempted 12 or more units at Imperial Valley College (IVC) as shown on their transcript will be placed on academic probation if the cumulative grade point average is below 2.00 for all grades earned at IVC.

Students will be removed from academic probation when their cumulative grade point average at IVC is 2.00 or higher.

Scholastic Dismissal

Students on Scholastic Probation will be dismissed if they earn a cumulative grade point average of less than 1.75 in all units attempted in each of three consecutive semesters of enrollment, excluding summer.

Students who are dismissed after Spring Semester will not be allowed to take classes the following Fall Semester. Students who are dismissed after Fall Semester may be allowed to take classes in the following Spring Semester, if determination and notification of dismissal status has not been made by the end of the second week of classes. They will be required to meet with a Counselor to develop a corrective plan of action as soon as they have been notified of their dismissal status. They will be re-evaluated for dismissal status following Spring Semester and will not be allowed to take classes in the following Fall Semester if their cumulative grade point average remains below 1.75.

Lack-of-Progress Probation

Students who have attempted 12 or more units at Imperial Valley College (IVC) as shown on their transcript will be placed on Lack-of-Progress Probation when the percentage of all units attempted for which symbols of W, I and NC are earned at IVC reaches 50 percent or more.

Students will be removed from Lack-of-Progress Probation when the percentage of all units attempted at IVC for which symbols of W, I and NC are earned drops below 50 percent.

Lack-of-Progress Dismissal

Students who have earned Lack-of-Progress Probation for three consecutive semesters, excluding summer, will be dismissed.

Students who are dismissed after Spring Semester will not be allowed to take classes the following Fall Semester. Students who are dismissed after Fall Semester may be allowed to take classes in the following Spring Semester, if determination and notification of dismissal status has not been made by the end of the second week of classes. They will be required to meet with a Counselor to develop a corrective plan of action as soon as they have been notified of their dismissal status. They will be re-evaluated for dismissal status following Spring Semester and will not be allowed to enroll for the following Fall Semester if the percentage of all units attempted for which symbols of W, I and NC are earned remains at 50 percent or more.

ELIGIBILITY AND CERTIFICATION OF VETERAN STUDENT APPLICANTS

Imperial Valley College (IVC) is an accredited institution of postsecondary education. It has the approval to offer eligible veterans and their dependents military service connected benefit programs leading to an Associate Degree or transfer to a four-year institution. The Veterans Assistant, located in the Counseling Center, provides guidance and assistance to veterans and their eligible dependents in establishing their eligibility for student educational benefits. The educational assistance program provided to eligible veterans and/or their dependents, is largely dependent on when the veteran served on active duty. The Department of Veterans Affairs (DVA) administers several educational assistance programs for which basic eligibility may vary from one to another. Generally, only the DVA can determine an applicant's eligibility for edu-

ational assistance. In some instances, the specific military branch of service makes the eligibility determination.

The final responsibility for monitoring the process of qualifying for educational benefits rests with the individual applicant. Each applicant must read, understand, and comply with the many rules, regulations, and procedures that influence the benefit process. **FAILURE TO TAKE THE PROPER CLASSES CAN RESULT IN THE REDUCTION OR TERMINATION OF BENEFITS.**

All persons receiving educational benefits must personally contact the Veterans Assistant's Office after enrollment every semester to continue their benefits. In addition, a Student Educational Plan (SEP) must be on file by the end of the first semester. This plan must be developed and reviewed by an academic counselor. The purpose of the SEP is to help you list all prerequisites and courses required for your degree, including general education and proficiency courses. The DVA will not approve payment for any additional courses that are not in compliance with its educational assistance programs.

Military Credit

A Guide to the Evaluation of Educational Experiences in the Armed Services, American Council on Education is used to evaluate military school credit.

- A. Presentation of the DD214 (minimum of 180 days active duty to include basic training) to the Veterans Assistant may allow the veteran 4 units of credit for basic training in the military service of the United States of America (2 units for physical education and 2 units for health education).
- B. Additional military credit will be considered by petition and presentation of proper documentation.
- C. Total number of units of military credit is not to exceed 16.

Veteran/Dependent Student Lack-of-Scholastic Progress

Students will not be certified for enrollment if placed on Scholastic or Lack-of-Progress Dismissal status. If you have previously been placed on Scholastic Probation and have a cumulative grade point average of less than 2.0 in the last two consecutive semesters of enrollment and are eligible for certification of Veteran Benefits, you will be dismissed at the end of each semester as a veteran student (lose veteran certification) as required under Veterans Administration approval criteria regulations.

Students who have previously been placed on Lack-of-Progress Probation and have 50% or more enrollment grades of "W", "I", or "NC" recorded in the last two consecutive semesters of enrollment will be dismissed at the end of each semester as a veteran student (lose veteran certification) as required under Veterans Administration approval criteria regulations.

Disabled Veterans

Veterans who qualify for educational benefits as disabled veterans may be entitled to special educational benefits. Veterans should visit the DVA Regional Office, 8810 Rio San Diego, San Diego, CA 92108 to determine their eligibility for disabled status.

DVA Service Connected Disability Benefits Programs

Veterans with disabilities are encouraged to investigate services offered through Disabled Students Programs and Services.

Veterans' Dependents - War Orphans

Students who are children or widows of veterans who died as a result of military service or are dependents of veterans who were totally disabled as a result of war service (or peacetime military service since September 16, 1940) may be eligible for assistance from the Veterans Administration or the State of California. Inquiries regarding these benefits should be made through the DVA Regional Office at 8810 Rio San Diego, San Diego, CA 92108.

Student's Liability

The veteran/dependent student assumes full liability for any overpayment of veterans educational allowance benefits.

Tutorial Services

Tutorial services are available to all veterans who meet established VA criteria. Veterans with disabilities are encouraged to investigate services offered through Disabled Students Programs and Services.

Transcripts

All official transcripts of prior college work and military schools must be on file in the Records Office by the end of the first semester of attendance at this college. Certification for benefits for the second semester will be withheld if transcripts are not received. See the Veterans Assistant for necessary forms.

Units Required for Entitlement of Benefits

The following number of units are required each semester to qualify eligible students for educational and training allowances:

12 units or more	full allowance
9 - 11.5 units	three-fourths allowance
6 - 8.5 units	one-half allowance
2 - 5.5 units	one-fourth allowance*

Short-term courses are computed proportionately for payment purposes.

*Chapters 32 and 106 only.

Repeated Classes

By district policy, the veteran is eligible to repeat courses in which a "D" grade has been received; however, the course may be certified for benefits only if a grade of "C" or better is earned towards a degree or other necessary prerequisites are met.

Winter/Summer Sessions

Veteran benefits are also available for the winter/summer sessions. Contact the Veterans Assistant for more information.

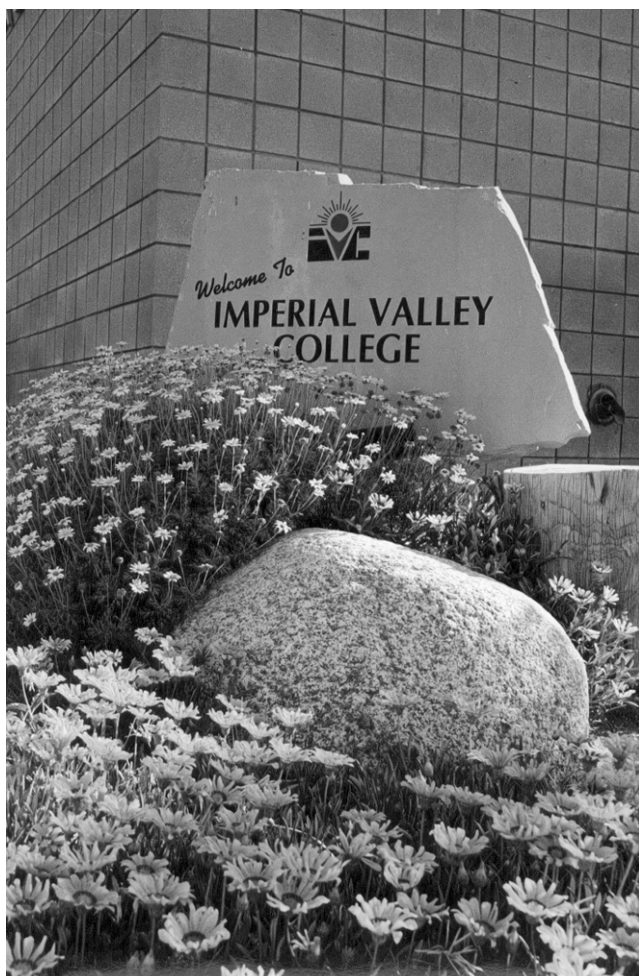
Withdrawal/Change of Classes

Veterans are required to notify the campus Veterans Assistant's Office when they stop attending class, withdraw from the college or add or drop a class. Such changes should be reported immediately after filing an official withdrawal or an add/drop card in the Admissions Office. Failure to comply with this regulation will be grounds for decertification.

CHANGES IN THE CATALOG

Any regulation adopted by the administration of Imperial Valley College shall have the same force as a printed regulation in the catalog and shall supersede, upon appropriate public announcement, any ruling on the same subject which may appear in the printed catalog or official bulletins of the college.

A student may be graduated under the catalog in effect at the time of initial enrollment provided a continuous enrollment status is maintained during each semester (excluding winter and summer sessions).



GRADUATION REQUIREMENTS

ASSOCIATE DEGREES

Upon completion of the following requirements, students at Imperial Valley College will be granted the degree of Associate in Arts or Associate in Science, depending upon the major completed.

Responsibility for filing a petition for graduation rests with the student. This petition is to be filed with the Registrar no later than the end of the 4th week of each semester. **Summer graduates must petition no later than the end of the fourth week of the Spring semester.**

Additional Associate Degree(s) or Major(s) may be earned if the student completes those required courses and units beyond the prior degree(s) or major(s). Courses used in one major may be utilized in other majors as they apply. If a student breaks continuous enrollment, he/she will also be responsible for additional graduation requirements or required courses in the major as designated by the current catalog in effect.

The requirements for graduation represent State and institutional minimum general requirements as well as the firm commitment on the part of Imperial Valley College to the principles of general education. These requirements in general education are designed to develop the potential of every student, broaden their outlook, and contribute to the realization of the well-balanced whole person.

I. ACQUISITION OF MAJOR CONSISTING OF EIGHTEEN UNITS (UNLESS OTHERWISE DESIGNATED) IN A SPECIFIED FIELD OF STUDY

Students may satisfy the major requirement in the following fields of study. Individual courses of study for each major are listed after the Courses of Instruction.

- A.S. Administration of Justice
- A.S. Agricultural Business Management
- A.S. Agricultural Science
- A.S. Alcohol and Drug Studies
- A.A. Anthropology
- A.A. Art
- A.S. Automotive Collision Repair
- A.S. Automotive Technology
- A.A. Behavioral Science
- A.S. Business Administration
- A.S. Business Financial Services
- A.S. Business Management
- A.S. Business Marketing
- A.S. Business Accounting Technician
- A.S. Business Administrative Assistant
- A.S. Business Office Technician
- A.A. Communications Arts
- A.S. Computer Information Systems
- A.S. Correctional Science
- A.S. Early Childhood Education

- A.S. Emergency Medical Services
- A.A. English
- A.S. Fire Technology
- A.A. French
- A.A. General Major
- A.S. General Science
- A.A. History (pending Chancellor approval)
- A.A. Human Relations
- A.A. Humanities
- A.S. Interdisciplinary
- A.S. Journalism
- A.A. Legal Assistant
- A.A. Liberal Studies
- A.S. Library Technician
- A.S. Life Science
- A.S. Mathematics
- A.A. Music
- A.S. Nursing - Registered (RN)
- A.S. Nursing - Vocational (VN)
- A.A. Patient Services Administration
- A.S. Physical Education
- A.S. Physical Science
- A.S. Pre-Engineering
- A.A. Psychology
- A.A. Rehabilitation Technician for the Physically Limited
- A.A. Social Science
- A.A. Spanish: Native
- A.A. Spanish: Non-Native
- A.A. or A.S. Transfer Studies*
- A.S. Water Treatment Technology
- A.S. Welding Technology

*Degree may only be awarded **once** with the student's choice of an A.A. or A.S. degree.

II. UNITS, GRADE POINT AVERAGE, RESIDENCE AND FINANCIAL OBLIGATIONS REQUIREMENTS

- A. Sixty (60) degree applicable units.
- B. Grade point average of 2.0 or better for all degree applicable college work.
- C. Forty-five (45) degree applicable units in residence or the last fifteen (15) degree applicable units at IVC.

In-residence units refer to those units taken at Imperial Valley College in which a student is enrolled, attends class sessions of one semester's duration, and receives a passing grade. Credit by examination, extension credits, military credits, and/or credit by petition do not qualify a student for in-residence units.

Units toward an Associate in Arts or Associate in Science degree at Imperial Valley College must be from a college or university which, at the time the units were completed, was accredited by one of the regional accreditation agencies recognized by the most current COPA edition.

- D. Settlement of all financial obligations to the college.

III. INSTITUTIONAL REQUIREMENTS

A. American Institutions (Select One Option):

Option 1: Political Science 102

AND

One course selected from: History 120

OR

History 121

Option 2: Political Science 052

(Non transferable; AA/AS degree only)

B. Health Education: Health Education 102 or Health Education 100 (Veterans only)

NOTE: This requirement is waived for students who have completed ADN or LVN Majors. Veterans and active duty military personnel may be granted two units of college credit to fulfill the Health Education Requirement if military service has been continuous for at least six months. Copies of the DD-214 or DD-215 forms covering all periods of military service must be on file in the Veterans Office to officially request Health Education credit.

C. Physical Education 100 (Formerly PE 25) (2 units) and One (1) Physical Education Activity Course (1 unit)

NOTE: Veterans and active duty military personnel may be granted two units of college credit to fulfill the elective Physical Education activity requirement if military service has been continuous for at least six months. Copies of DD-214 or DD-215 forms covering all periods of military service must be on file in the Veterans Office to officially request PE credit.

IV. STATE COMPETENCY REQUIREMENTS

A. Math Competency: A placement score of 2006 or higher on the ACCUPLACER College Level Mathematics Test or Math 090 with a grade of "C" or higher or a higher level Math with a grade of "C" or higher.

B. Reading Competency: A placement score of 3006 on the ACCUPLACER Reading Test or ENGL 089 with a grade of "C" or higher or ENGL 14 with a grade of "C" or higher or a score of 64 or higher on the Degrees of Reading Power (DRP) Test.

V. GENERAL EDUCATION

A minimum of eighteen (18) units is required. To include a minimum of six (6) units in Area A (three [3] units for each part); a minimum of three (3) units from Area B; a minimum of three (3) units from Area C; and, a minimum of three (3) units from Area D. In area E, three (3) units are to be selected from any of the four areas (A, B, C & D) as determined by the student's option.

A. LANGUAGE AND RATIONALITY Units

1. English Composition (3 units required)

(with a grade of "C" or better)

ENGL 101 Reading & Composition 3

2. Communication & Analytical Thinking

(3 units required)

CIS 101	Intro. to Information Systems	3
ENGL 111	Reading IV: Anal & Crit Reading	3.5
ENGL 201	Advanced Composition	3
ENGL 240	Intro. to Tech & Report Writing	3
ENGL 250	Creative Writing	3
ENGL 270	Introduction to Linguistics	3
JRN 100	Introduction to Journalism	3
MATH 110	Number Systems in Elementary Math	3
MATH 112	Geometry in Elementary Math	3
MATH 120	Intro Statistics w/Applications	3
MATH 122	Finite Mathematics	3
MATH 130	Programming in FORTRAN	3
MATH 140	Trigonometry	3
MATH 150	College Algebra	4
MATH 170	Intro Calculus w/Applications	4
MATH 190	Pre-Calculus	5
MATH 192	Calculus I	5
PHIL 106	Logic	3
SPCH 100	Oral Communication	3
SPCH 180	Argumentation and Debate	3

B. NATURAL SCIENCE (3 units required)

AG 110	Environmental Science (same as ENV 110)	3
AG 120	Soil Science	3
AG 170	Entomology	3
ANTH 100	Physical Anthropology	3
ASTR 100	Principles of Astronomy	3
BIOL 090	Anat & Physiology for Health Occ	3
BIOL 100	Principles of Biological Science	4
BIOL 120	General Zoology I	4
BIOL 122	General Zoology II	4
BIOL 140	General Botany	3
BIOL 150	Human Genetics	3
BIOL 180	General Biology: Molecules, Cells and Genetics	4
BIOL 182	General Biology: Principles of Organismal Biology	4
BIOL 200	Human Anatomy and Physiology I	4
BIOL 202	Human Anatomy and Physiology II	4
BIOL 204	Human Anatomy	4
BIOL 206	Human Physiology	4
BIOL 220	General Microbiology	5
CHEM 100	Introduction to Chemistry	4
CHEM 200	General Inorganic Chemistry I	5
ENV 110	Environmental Science (same as AG 110)	3
GEOG 100	Physical Geography	3
GEOL 100	General Geology	4
GEOL 110	Earth and Space Science	3
PHSC 110	Physical Science	3
PHYS 100	Intro to Physics for Health Prof.	4
PHYS 200	General Physics I	5
PSY 200	Biological Psychology	3

C. HUMANITIES (3 units required)

AMSL 100	American Sign Language 1	4
AMSL 102	American Sign Language 2	4
AMSL 200	American Sign Language 3	3
ART 100	History & Appreciation of Art	3
ART 102	History & Appreciation of Art	3
ART 104	History & Appreciation of Modern Art	3
ART 106	Women Artists	3
ENGL 102	Introduction to Literature	3
ENGL 220	Survey of American Literature I	3
ENGL 221	Survey of American Literature II	3
ENGL 222	Survey of World Literature	3
ENGL 223	Survey of World Literature	3
ENGL 224	Survey of English Literature	3
ENGL 225	Survey of English Literature	3
ENGL 228	Intro to Bible as Literature	3
ENGL 230	Intro. to Film History & Criticism (same as HUM 230)	3
+ENGL 260	The Mexican American in Literature (Same as SPAN 260)	3
FREN 100	Elementary French	5
FREN 110	Elementary French	5
FREN 200	Intermediate French	4
FREN 210	Intermediate French	4
FREN 220	Inter French Reading & Writing	3
FREN 230	Intermediate Conversational French	3
FREN 232	Intermediate Conversational French	3
HIST 110	History of Western Civilization	3
HIST 111	History of Western Civilization	3
HUM 100	Introduction to The Humanities	3
HUM 230	Intro. to Film History & Criticism (same as ENGL 230)	3
MUS 100	Introduction to Music Foundations	3
MUS 102	Intro. to Music Lit & Listening	3
MUS 104	Intro. to 20th Century Music	3
MUS 154	Chamber Singers	1
MUS 156	College-Community Chorus	1
MUS 171	Chamber Orchestra	1
MUS 172	College-Community Band	1
MUS 173	Concert Band	1
MUS 174	Estudiantina	1
MUS 178	Symphony Orchestra	1
MUS 200	History & Literature of Music I	3
MUS 202	History & Literature of Music II	3
PHIL 100	Introduction to Philosophy	3
PHIL 102	Introduction to Philosophy	3
PHIL 104	Ethics	3
PHIL 108	Religions of the Modern World	3
SPAN 100	Elementary Spanish	5
SPAN 101	Elementary Spanish	2.5
SPAN 102	Elementary Spanish	2.5
SPAN 110	Elementary Spanish	5
SPAN 111	Elementary Spanish	2.5
SPAN 112	Elementary Spanish	2.5
SPAN 113	Beg. Conver. Spanish & Culture	2.5
SPAN 114	Beg. Conver. Spanish & Culture	2.5
SPAN 200	Intermediate Spanish	5
SPAN 210	Intermediate Spanish	5
SPAN 220	Bilingual Spanish	5
SPAN 221	Bilingual Spanish	5
SPAN 222	Bilingual Oral Spanish	3
SPAN 225	Intro. to Spanish American Literature	3
+SPAN 260	The Mexican American in Literature (Same as ENGL 260)	3
+SPAN 262	Intro. to Mexican American Studies	3
THEA 100	Introduction to Theatre	3

+Ethnic Study Courses

D. SOCIAL AND BEHAVIORAL SCIENCES

(3 units required)		
AG 160	Food & Fiber in a Changing World	3
ADS 120	Introduction to Counseling (Same as PSY 120)	3
ANTH 102	Cultural Anthropology	3
ANTH 104	California Indians	3
ANTH 106	Indians of North America	3
ANTH 108	Indians of the Southwest	3
ANTH 110	Intro to Archaeological Site Survey	3
ANTH 112	Intro to Archaeological Excavations	3
CFCS 104	Early Childhood Socialization: Children, Family and Community	3
CFCS 106	Developmental Psych of Children (Same as PSY 106)	3
CFCS 108	Adv Developmental Psychology and Observation	3
CFCS 220	Infant/Toddler Development	3
CFCS 240	Understanding Exceptional Students (Same as DSPS 240)	3
DSPS 240	Understanding Exceptional Students (Same as CFCS 240)	3
ECON 101	Introduction to Microeconomics	3
ECON 102	Introduction to Macroeconomics	3
GEOG 102	Cultural Geography	3
GEOG 104	Economic Geography	3
HIST 100	Early World History	3
HIST 101	Modern World History	3
HIST 122	History of Imperial Valley	3
HIST 130	Comp History of the Americas	3
HIST 131	Comp History of the Americas	3
HIST 132	Mexican and the Amer Southwest	3
POLS 100	Intro to Political Science	3
POLS 104	Comparative Politics	3
POLS 106	Intro. to International Relations	3
PSY 101	Intro to Psychology	3
PSY 106	Developmental psych of child (Same as CFCS 106)	3
PSY 120	Introduction to Counseling (Same as ADS 120)	3
PSY 142	Psychology of Adjustment	3
PSY 144	The Psych of Interpersonal Relationships	3
PSY 146	Psychology of Human Sexuality	3
PSY 202	Learning	3
PSY 204	Developmental Psychology: Conception to Death	3
PSY 206	Social Psychology (same as SOC 206)	3
PSY 208	Abnormal Psychology	3
SOC 101	Introductory Sociology	3
SOC 102	Contemporary Social Problems	3
SOC 110	Marriage and the Family	3
SOC 206	Social Psych (Same as PSY 206)	3

E. ELECTIVE (3 units required)

In Area E, three (3) units are to be selected from among the four areas (A, B, C and D) identified above as determined by the student's option.

CREDIT FOR CORRESPONDENCE AND EXTENSION COURSES

A student may petition to have a maximum of six units or credit counted toward graduation for correspondence or extension courses which meet the following standards:

1. Courses must have been taken from a recognized accredited college or university having a correspondence or extension division.
2. Courses must be designated as recommended for lower division credit by the college or university.

It is the responsibility of the student to submit evidence establishing the above standards.

TRANSFER PREPARATION

I. Students planning to enter a university or four-year college after attending Imperial Valley College should take note of the following suggestions:

A. Consult the catalog of the college or university to which they intend to transfer for such requirements as:

1. Admissions information
2. Major course requirements
3. General education or breadth requirements

B. Notice the difference between lower and upper division courses required by the school in which the advanced work is to be taken. Important point: Degree credit in the major can be expected only for those community college courses which parallel courses designated as lower division by four year colleges or universities.

C. Note courses which must be taken in preparation for the major as well as those required for the major.

D. Remember that community college courses transfer to four-year colleges in terms of specific or elective credit, depending upon the school and major selected. Refer to the ASSIST website at www.assist.org which is the official California statewide database listing a selection of campus-approved transfer agreements, general education requirements, and information on UC and CSU transferable courses and major preparation. Students are advised to contact an Imperial Valley College counselor for more information, and for details regarding other transfer agreements and options not available on ASSIST for your transfer college choice.

E. Note any policies regarding the maximum number of units which may be transferable. A maximum of 70 transferable units completed at the community college level may be applied toward the total number of units required for a bachelor's degree by the

University of California or the California State University. Subject credit for transferable courses in excess of 70 units may also be granted to satisfy university graduation requirements. Any courses accepted as equivalent to those offered in lower division by the university completed at the community college, even if beyond the 70 unit maximum, will be applied where needed to meet specific lower division major and/or general education/breadth requirements. Therefore, students are strongly advised to complete all courses designated as required lower division preparation for the major prior to transfer, especially where admission to the major is contingent on completion of specific courses.

II. Students should also avail themselves of opportunities to meet with representatives of colleges and universities which are scheduled throughout the year in the Transfer Center.

III. Catalogs and applications for admission to the University of California and the California State University are available in the Transfer Center. The Transfer Center maintains catalogs and applications from other institutions as well and will provide assistance in obtaining information and applications.

IV. All students must assume complete responsibility for compliance with regulations and instructions set forth in university or college catalogs for their intended transfer institution, and for selecting courses which will permit them to meet their educational objectives and for satisfying prerequisites for any programs or courses they plan to take for transfer.

The following information is subject to change.

THE CALIFORNIA STATE UNIVERSITY

*Application Filing Periods (Applications first accepted):

Summer Semester or Quarter: February 1 (6 campuses)

Fall Semester or Quarter: October 1 - November 30

Winter Quarter: June 1 - June 30

Spring Semester or Quarter: August 1 - August 30

**You are urged to file early. Applications to impacted majors must be filed during the initial filing period. The CSU Designates major programs as impacted when more applications are received in the initial filing period from CSU eligible applicants than can be accommodated. If applying after the initial filing period, consult the campus admissions office or website for current information.*

Except for impacted majors, campuses accept applications until enrollment categories are filled. Most campuses will acknowledge receiving your application within two to four weeks. For more details refer to the CSU Mentor website at www.csumentor.edu

Definition of a Transfer Student

You are considered a transfer student if you have completed college units after the summer immediately following graduation from high school:

1. Students who have completed 60 or more transferable semester college units (90 or more quarter units) are considered upper-division transfer students.
2. Students who completed college units before they graduated from high school or during the summer between high school graduation and CSU enrollment are considered first-time freshmen and must meet those admission requirements.

Transfer Admission Requirements

Upper-Division Transfer Requirements (60 or more transferable semester or 90 or more quarter units):

You are eligible for admission if you:

1. Have a college grade point average of 2.00 or better (2.40 for non-California residents) in all transferable college units completed.
2. Are in good standing at the last college or university attended (i.e., you are eligible to re-enroll).
3. Will have completed, or will complete prior to transfer thirty-nine (39) units of general education or equivalent courses, with passed at least 30 of those semester units (45 quarter units) with a grade of "C" or better. The 30 semester units must include all of the general education requirements in communication in the English language (English composition, oral communication, and critical thinking), and at least one course of at least 3 semester units (4 quarter units) is required in college-level mathematics.

Transferable Coursework

Transferable courses to the California State University system and/ or the University of California system are indicated by (CSU, UC) following the catalog description. Students are advised to contact their counselor to determine which specific courses are applicable to their educational objective.

A student planning to transfer to the California State University system can, at their request, have the general education requirements certified by Imperial Valley College. In order to meet this certification, a student must complete thirty-nine (39) units of selected general education in one of five areas: English communication and critical thinking; physical universe and its life forms; arts, literature, philosophy, and foreign language; social, political, and economic institutions; and understanding life and self-development. With the certification of general education completed by Imperial Valley College, a student can transfer to a California State University assured that no further general education will be required at the lower division level.

CERTIFICATION OF CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH REQUIREMENTS

A. ENGLISH COMMUNICATION & CRITICAL THINKING (9 semester or 12 quarter units)

1. Oral Communication (One [1] course required)
(Note: Grade of "C" or higher required for CSU admission and certification.)

SPCH 100 (3)

2. Written Communication (One [1] course required)
(Note: Grade of "C" or higher required for CSU admission and certification.)

ENGL 101 (3)

3. Critical Thinking (One [1] course required)
(Note: Grade of "C" or higher required for CSU admission and certification.)

ENGL 111 (3.5) PHIL 106 (3)

ENGL 201 (3) SPCH 180 (3)

B. PHYSICAL UNIVERSE AND ITS LIFE FORMS

(9 semester or 12 quarter units with at least one lab course marked with an "L")

1. Physical Science (One [1] course required)

AG/ENV S 110 (3) GEOG 100 (3)

AG 120 (L) (3) GEOL 100 (L) (4)

ASTR 100 (3) GEOL 110 (3)

CHEM 100 (L) (4) PHSC 110 (3)

CHEM 140 (4) PHYS 100 (L) (3)

CHEM 200 (L) (5) PHYS 200 (L) (5)

CHEM 202 (L) (5) PHYS 202 (L) (5)

CHEM 204 (L) (5) PHYS 204 (L) (5)

CHEM 206 (L) (5)

CHEM 208 (L) (4)

2. Life Science (One [1] course required)

AG 170 (L) (3) BIOL 180 (L) (4)

ANTH 100 (3) BIOL 182 (L) (4)

BIOL 100 (L) (4) BIOL 200 (L) (4)

BIOL 120 (L) (4) BIOL 202 (L) (4)

BIOL 122 (L) (4) BIOL 204 (L) (4)

BIOL 134 (L) (3) BIOL 206 (L) (4)

BIOL 140 (3) BIOL 220 (L) (5)

BIOL 150 (3) PSY 200 (3)

3. Math/Quantitative Reasoning (One (1) course required)

(Note: Grade of "C" or higher required for CSU admission and certification.)

MATH 110 (3) MATH 190 (5)

MATH 112 (3) MATH 192 (5)

MATH 120 (3) MATH 194 (5)

MATH 122 (3) MATH 210 (5)

MATH 140 (4) MATH 220 (3)

MATH 150 (3) MATH 230 (3)

MATH 170 (4) MATH 240 (3)

C. ARTS, LITERATURE, PHILOSOPHY, AND FOREIGN LANGUAGE

(9 semester or 12 quarter units) Three (3) courses must be completed with at least one (1) course from the Arts category and one (1) course from the Humanities category.

1. Arts Category

ART 100	(3)	MUS 102	(3)
ART 102	(3)	MUS 104	(3)
ART 104	(3)	MUS 200	(3)
ART 106	(3)	MUS 202	(3)
HUM/PE 212	(3)	THEA 100	(3)
MUS 100	(3)		

2. Humanities Category

AMSL 100	(4)	*HIST 150	(3)
AMSL 102	(4)	*HIST 160	(3)
AMSL 200	(3)	*HIST 220	(3)
ENGL 102	(3)	*HIST 222	(3)
ENGL 220	(3)	*HIST 223	(3)
ENGL 221	(3)	*HIST 226	(3)
ENGL 222	(3)	*HIST 227	(3)
ENGL 223	(3)	HUM 100	(3)
ENGL 224	(3)	PHIL 100	(3)
ENGL 225	(3)	PHIL 102	(3)
ENGL 228	(3)	PHIL 104	(3)
ENGL/SPAN 260	(3)	PHIL 108	(3)
FREN 100	(5)	SPAN 100	(5)
FREN 110	(5)	SPAN 101	(2.5)
FREN 200	(4)	PAN 102	(2.5)
FREN 210	(4)	SPAN 110	(5)
FREN 220	(3)	SPAN 111	(2.5)
FREN 230	(3)	SPAN 112	(2.5)
FREN 232	(3)	SPAN 200	(5)
*HIST 100	(3)	SPAN 210	(5)
*HIST 101	(3)	SPAN 220	(5)
*HIST 110	(3)	SPAN 221	(5)
*HIST 111	(3)	SPAN 222	(3)
*HIST 130	(3)	SPAN 225	(3)
*HIST 131	(3)	SPAN/ENGL 260	(3)
*HIST 140	(3)	SPAN 262	(3)

D. SOCIAL, POLITICAL, AND ECONOMIC INSTITUTIONS (9 semester or 12 quarter units)

1. American Institutions-CSU Graduation Requirement in U.S. History, Constitution and American Ideals. One course from Political Science and one course from History. Six (6) semester units.

- a. Political Science: POLS 102 (3.0)
- b. History: HIST 120 (3.0) OR HIST 121 (3.0)

2. Select one course from any subject area below.

AJ 100	(3)	*HIST131	(3)
AJ 106	(3)	HIST 132	(3)
AG 160	(3)	HIST 220	(3)
ANTH 102	(3)	*HIST 222	(3)
ANTH 104	(3)	*HIST 223	(3)
ANTH 106	(3)	*HIST 226	(3)

ANTH 108	(3)	*HIST 227	(3)
*CFCS/PSY 106	(3)	POLS 100	(3)
ECON 101	(3)	POLS 104	(3)
ECON 102	(3)	POLS 106	(3)
GEOG 102	(3)	PSY 101	(3)
GEOG 104	(3)	PSY 142	(3)
*HIST 100	(3)	PSY 202	(3)
*HIST 101	(3)	*PSY/SOC 206	(3)
*HIST 110	(3)	SOC 101	(3)
*HIST 111	(3)	SOC 102	(3)
*HIST 130	(3)	*SOC/ADS 150	(3)

E. LIFELONG UNDERSTANDING AND SELF-DEVELOPMENT (3 semester or 4 quarter units)

*CFCS/PSY 106	(3)	PSY 146	(3)
HE 102	(3)	PSY 204	(3)
PD 100	(3)	SOC 110	(3)
PSY 144	(3)		

*Indicates course may only be counted in one area.

Transfer Credit

In state universities, and at the University of California, a maximum of 70 semester units earned in a community college may be applied toward the Bachelor's degree, with the exception that no upper-division credit may be allowed for courses taken in a community college and no credit may be allowed for professional courses in education taken in a community college. Many other colleges and universities also allow credit for 70 units of lower-division work completed at a community college.

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

The Intersegmental General Education Transfer Curriculum (IGETC) is a general education program which community college transfer students may use to fulfill lower-division general education requirements in either the California State University or University of California system. Completion of the IGETC is not a requirement for admission to CSU or UC, nor is it the only way to fulfill lower-division GE requirements.

The IGETC is recommended for students who have not made a final decision about transferring to a particular CSU or UC campus. Students may be better served by following the CSU GE requirements or those of the UC campus to which they plan to transfer.

Students pursuing majors which require extensive lower-division major preparation may not find the IGETC option to be advantageous. There are other limitations. All courses used for IGETC must be passed with a **minimum grade C**. (C minus is not acceptable.) A *credit* or *pass* is acceptable providing either is equivalent to a grade "C" or better.

Please make a counseling appointment to determine the most appropriate general education program for you.

Certification: All GE requirements must be completed before IGETC can be certified. Certification must take place *prior* to transfer to UC and/or CSU. The Admissions Office will complete the certification. To request certification, the student should file a request at the Registrar's Office. As a general rule, the IGETC can be certified for California community college transfers who have also completed transfer units at a CSU, UC, or independent college *provided that the student has completed most of the transfer units at one or more California community colleges.*

Restrictions: A student who has been registered at a UC campus and wishes to return to the same UC campus is **NOT** eligible for IGETC. This restriction does not apply to students who have taken UC summer session or Extension classes only.

1. ENGLISH COMMUNICATION

CSU 3 courses required, 1 course from group A, 1 course from group B and 1 course from group C.

UC 2 courses required, 1 course from group A and 1 course from group B.

A. English Composition - 3 semester/4-5 quarter units.
ENGL 101 (3)

B. Critical Thinking/English Composition - 3 semester/4-5 quarter units.
ENGL 201 (3)

C. Oral Communication - 3 semester/4-5 quarter units.
(CSU ONLY)
**SPCH 100 (3)
SPCH 180 (3)

2. MATHEMATICAL CONCEPTS/QUANTITATIVE REASONING - 3 semester/4-5 quarter units.

MATH 120	(3)	**MATH 192	(5)
MATH 122	(3)	MATH 194	(5)
MATH 150	(4)	MATH 210	(5)
**MATH 170	(4)	MATH 220	(3)
**MATH 190	(5)	MATH 230	(3)
		MATH 240	(3)

3. ARTS AND HUMANITIES - 9 semester/12-15 quarter units. At least 3 courses with at least 1 from the Arts and 1 from the Humanities.

ARTS COURSES

ANTH 114	(3)	MUS 104	(3)
ANTH 214	(3)	MUS 120	(3)
ART 100	(3)	MUS 122	(3)
ART 102	(3)	MUS 200	(3)
ART 104	(3)	MUS 202	(3)
ART 106	(3)	MUS 220	(3)
**MUS 100	(3)	MUS 222	(3)
MUS 102	(3)	THEA 100	(3)

HUMANITIES COURSES

AMSL 102	(4)	*HIST 130	(3)
AMSL 200	(3)	*HIST 131	(3)
AMSL 202	(3)	*HIST 132	(3)
ENGL 102	(3)	*HIST 140	(3)
ENGL 220	(3)	*HIST 150	(3)
ENGL 221	(3)	*HIST 160	(3)
ENGL 222	(3)	*HIST 222	(3)
ENGL 223	(3)	*HIST 223	(3)
ENGL 224	(3)	*HIST 226	(3)
ENGL 225	(3)	*HIST 227	(3)
ENGL 228	(3)	HUM 100	(3)
ENGL 260	(3)	PHIL 100	(3)
ENGL/SPAN 260	(3)	PHIL 104	(3)
ENGL 270	(3)	PHIL 108	(3)
FREN 110	(5)	**SPAN 110	(5)

FREN 200	(3)	+**SPAN 111	(2.5)
FREN 210	(4)	+**SPAN 112	(2.5)
FREN 220	(4)	**SPAN 200	(5)
*HIST 100	(3)	**SPAN 210	(5)
*HIST 101	(3)	**SPAN 220	(5)
*HIST 110	(3)	SPAN 221	(5)
*HIST 111	(3)	SPAN 225	(3)
		SPAN 262	(3)

4. SOCIAL & BEHAVIORAL SCIENCES - 9 semester/12-15 quarter units. At least 3 courses from at least 2 disciplines.

ADS/SOC 150	(3)	*HIST 150	(3)
ANTH 102	(3)	*HIST 160	(3)
ANTH 104	(3)	HIST 220	(3)
ANTH 106	(3)	*HIST 222	(3)
ANTH 108	(3)	*HIST 223	(3)
**CFCS/PSY 106	(3)	*HIST 226	(3)
ECON 101	(3)	*HIST 227	(3)
ECON 102	(3)	POLS 101	(3)
*GEOG 100	(3)	*POLS 102	(3)
GEOG 102	(3)	POLS 104	(3)
GEOG 104	(3)	POLS 106	(3)
*HIST 100	(3)	PSY 101	(3)
*HIST 101	(3)	PSY 146	(3)
*HIST 110	(3)	*PSY 200	(3)
*HIST 111	(3)	PSY 202	(3)
*HIST 120	(3)	PSY 204	(3)
*HIST 121	(3)	**PSY/SOC 206	(3)
*HIST 130	(3)	PSY 208	(3)
*HIST 131	(3)	SOC 101	(3)
*HIST 132	(3)	SOC 102	(3)
*HIST 140	(3)	SOC/ADS150	(3)

5. PHYSICAL AND BIOLOGICAL SCIENCES

7-9 semester/9-12 quarter units. 2 courses, 1 Physical Science course and 1 Biological Science course; at least 1 course must include a laboratory (L).

PHYSICAL SCIENCE COURSES

AG/ENVS 110	(3)	CHEM 208	(4)
ASTR 100	(3)	*GEOG 100 (L)	(3)
**CHEM 100 (L)	(4)	**GEOL 100 (L)	(4)
CHEM 140 (L)	(4)	**GEOL 110	(3)
CHEM 200 (L)	(5)	**PHSC 110	(3)
CHEM 202 (L)	(5)	**PHYS 200 (L)	(5)
CHEM 204 (L)	(5)	**PHYS 202 (L)	(5)
CHEM 206 (L)	(5)	**PHYS 204 (L)	(5)

BIOLOGICAL SCIENCE COURSES

AG 170 (L)	(3)	BIOL 182 (L)	(4)
ANTH 100	(3)	**BIOL 200 (L)	(4)
**BIOL 100 (L)	(4)	**BIOL 202 (L)	(4)
BIOL 120 (L)	(4)	**BIOL 204 (L)	(4)
BIOL 122 (L)	(4)	**BIOL 206 (L)	(4)
BIOL 140	(3)	BIOL 220 (L)	(5)
BIOL 150	(3)	*PSY 200	(3)
BIOL 180 (L)	(4)		

**6. LANGUAGE OTHER THAN ENGLISH
(UC Requirement Only)**

Complete 2 years of the same foreign language in high school with a grade of C or better **OR** earn a score of 3 or higher in the College Board Advanced Placement exams in languages other than English **OR** earn a satisfactory score on the SAT II: Subject Test in languages other than English, (see a counselor for specific courses) **OR** complete with C grades or better, two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English **OR** complete 4-5 units from the courses below.

- **FREN 100 (5) +**SPAN 101 (2.5)
- **SPAN 100 (5) +**SPAN 102 (2.5)

Validated by a more advanced course (course can also count in Area 3)

7. CSU GRADUATION REQUIREMENT IN U.S. HISTORY CONSTITUTION AND AMERICAN IDEALS

(Not part of IGETC; may be completed prior to transfer.)

Courses used to meet this requirement may **NOT** be used to satisfy requirements for IGETC. **One course from Political Science and one course from History. Six (6) semester units.**

- a. Political Science: *POLS 102 (3.0)
- b. History: *HIST 120 (3.0) OR *HIST 121 (3.0)

* *Courses Designated with asterisk may be counted in one area only.*

** *Indicates that transfer credit may be limited by either UC or CSU or both. Please consult a counselor for additional information.*

+ *Both courses must be taken to receive IGETC credit.*

VOCATIONAL/ OCCUPATIONAL CURRICULA (APPLIED SCIENCES)

Imperial Valley College has developed career programs which reflect employment opportunities of our county and region. Advisory committees work closely with the college to assure each student the best in education and real employment opportunities upon graduation.

In developing a major program, each student should plan on completing graduation requirements for the Associate in Arts or Associate in Science Degree. It is recommended that students should plan a broad educational background including general education courses.

It is most important that students consult with a counselor during their first semester in preparing programs to determine the appropriate sequence of courses. Further, it should be noted that the final responsibility for the selection of proper courses rests with the student.

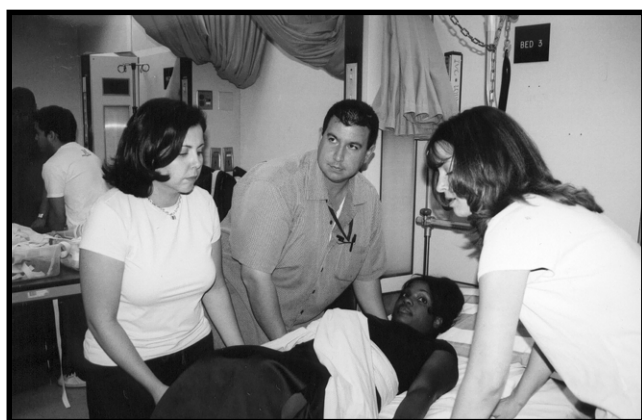
APPRENTICESHIP TRAINING PROGRAMS

Apprenticeship training programs provide the participant an opportunity for formal training, consisting of a balance between on-the-job training (OJT) and the related supplemental instruction (RSI) directly associated with the particular trade or industry. OJT is coordinated through the local employer sponsor. Related supplemental instruction is provided by Imperial Valley College. Refer to the Apprenticeship section of the catalog.

CERTIFICATES

Certificates are awarded to convey evidence that well-defined levels of proficiency have been attained in designated occupational fields. Certificate programs are available in some of the occupational areas for which the college offers the Associate Degree. To qualify for a certificate, a student must:

1. Complete all courses listed for a particular certificate.
2. Achieve a "C" grade or better in all courses used to complete the certificate.
3. File a certificate petition with the Registrar no later than the end of the fourth week of each semester and the first week of the winter and summer session.



Certificates are offered in the following areas:

Administration of Justice
 Agricultural Business Management
 Agriculture Crop Science
 Air Conditioning and Refrigeration Technology
 Alcohol and Drug Studies
 Automotive Air Conditioning
 Automotive Collision Repair
 Automotive Brakes, Suspension and Wheel Alignment
 Automotive Electronics
 Automotive Engine Machinist
 Automotive Engine Performance
 Automotive Power Train
 Automotive Technology
 Basic Computer Skills
 Building Construction Project Management
 Business Accounting Technician
 Business Administrative Assistant
 Business Financial Services
 Business Management
 Business Marketing
 Business Office Technician
 Business Retail Management
 Cement Mason Construction Technology
 Carpentry Construction Technology
 Computer Information Systems
 Construction Technology
 Correctional Science
 Court Services Specialist
 Early Childhood Assistant
 Early Childhood Associate Teacher
 Early Childhood Education Administration Specialization
 Early Childhood Education Family Child Care
 Early Childhood Education Infant/Toddler Specialization
 Early Childhood Education School-Age Specialization
 Electrical Trades
 Electrical Wiring Technology
 Electronics
 Emergency Medical Technician
 Emergency Medical Technician-Paramedic
 Employment Readiness
 Field Archaeology
 Firefighter I
 Fire Technology
 Health Assistant
 Home Health Aide
 Human Relations
 Legal Assistant
 Library Technician
 Medical Assistant
 Medical Office Assistant
 Multimedia
 Patient Services Administration Specialist
 Pharmacy Technician
 Rehabilitation Technician for the Physically Limited
 Vocational Nursing
 Wastewater Technology
 Water Treatment Technology
 Welding Technology

TIPOS DE CURSOS Y PROGRAMAS

Para que el colegio del Valle Imperial pueda lograr su meta de servir a todo estudiante que desea una educación, una variedad de cursos están a la disposición del estudiante. Algunos de los cursos pueden ofrecer al estudiante destrezas para obtener un trabajo. Otros cursos ofrecen educación general, la cual ayuda a todo estudiante a vivir vidas productivas dentro de una sociedad compleja como la nuestra. Además, otros tipos de cursos proveen el conocimiento básico para que el estudiante continúe sus estudios en instituciones superiores de cuatro años.

Un estudiante puede cursar los primeros dos años de estudio universitario en el colegio, tomando clases de educación general. Así, el estudiante tiene la oportunidad de iniciar sus estudios superiores mientras vive cerca de su hogar. Esta oportunidad no sólo permite que el estudiante ahorre dinero si no también ofrece al estudiante una transición de la preparatoria a un recinto de estudios de dos años y posteriormente a una institución de cuatro años. La atmósfera amigable y colegial presenta la oportunidad a cada estudiante para que se familiarice con sus maestros y participe en el programa de asesoramiento académico; estas invaluable oportunidades están disponibles para el estudiante, oportunidades que tal vez no estén disponibles en otras instituciones debido al alto índice de población estudiantil. El estudiante no sólo recibe asistencia personal de calidad, si no que también tiene mayores oportunidades de liderazgo en asuntos estudiantiles.

El programa de asesoramiento académico, asiste en la determinación y recomendación de las clases en las cuales se inscribiera el estudiante. Esto permite al estudiante fijarse metas académicas en una forma sistemática e incluir cursos de estudio que más le beneficien. Muchas de las necesidades del estudiante que busca empleo, pueden satisfacerse al terminar su segundo año de estudio en el colegio por medio de una variedad de cursos vocacionales que ofrece el colegio.

El colegio también ofrece un programa completo y organizado en educación general para el estudiante que sólo desea cursos preparatorios para ingresar a una institución de estudios superiores de cuatro años.

El programa de estudio en el colegio también incluye cursos de estudio para personas adultas que no pudieron terminar la preparatoria y que demuestren la habilidad para tomar y aprobar los cursos que ofrece el colegio. El éxito que estas personas obtengan en tales cursos determinará si la persona seguirá tomando cursos en el futuro.

Existen cinco programas diseñados para los siguientes grupos de estudiantes: estudiantes que sólo pueden tomar clases de noche; estudiantes que no pueden asistir al colegio tiempo completo; estudiantes que deseen coordinar su programa de estudio con algún trabajo en el colegio; estudiantes sobresalientes del onceavo o doceavo año de preparatoria que deseen cursar clases especiales a nivel de colegio; y por último a los estudiantes que tengan alguna discapacidad.

1. El Estudiante de Preparatoria (High School) que Asiste al Colegio

Los estudiantes de las preparatorias locales que asisten al colegio bajo un programa vocacional o académico tienen un papel de expectador en actividades estudiantiles y extracurriculares. Si el estudiante desea puede solicitar asesoramiento académico en el colegio, pero se recomienda que haga un esfuerzo por pedir la ayuda de un asesor académico en su propia escuela.

El estudiante tiene que solicitar la autorización debida para asistir al colegio y así recibir calificación. El estudiante de preparatoria tendrá que asistir a dicha institución por lo menos medio día.

Admisión de Estudiantes del Onceavo y Doceavo año de Preparatoria

El presidente de cualquier colegio comunitario tiene la autoridad de admitir al colegio a un estudiantes de preparatoria de medio tiempo del onceavo o doceavo año. El estudiante tiene que ser recomendado por el director de la preparatoria a la cuál asiste. El director de la preparatoria puede recomendar a un estudiante de medio tiempo de

acuerdo a los estatutos y reglamentos adoptados por la mesa directiva de su distrito escolar. Un director de una preparatoria no podrá recomendar a mas del 15% de su total de estudiantes en el onceavo y doceavo año que estén inscritos en dicha escuela.

La asistencia autorizada del estudiante en el colegio como estudiante especial de medio tiempo será de acuerdo a ésta sección y deberá recibir calificación por los cursos que terminó en el colegio comunitario de igual manera como si estuviera inscrito regularmente, a menos que el estudiante haya hecho un acuerdo con los dos distritos escolares para que sea la preparatoria la que reciba la calificación por los cursos que tomó en el colegio.

Cada estudiante de preparatoria en esta categoría tendrá que asistir a la preparatoria medio tiempo. (E.C. 76001)

Admisión del alumno (que ha terminado el onceavo año) a clases de verano: Otorgación de calificación por asistir a estas clases

El presidente de cualquier colegio comunitario esta autorizado para admitir a las clases de verano a estudiante que han terminado el onceavo año de preparatoria y que sean recomendados por el director de la preparatoria a la cuál están asistiendo. El director de la preparatoria puede recomendar a estudiantes de acuerdo con las estipulaciones y reglamentos establecidos por la mesa directiva del distrito escolar. El director de la preparatoria no podrá recomendar a más del 5% de sus estudiantes.

El tiempo en el cual los estudiantes asistieron a clases de verano, los días que estuvieron presentes, serán acreditados a el colegio y no a la preparatoria y esto se hará de acuerdo al Código Ed. 76002.

2. Colegio Extendido

El Colegio del Valle Imperial ofrece una alternativa conveniente y practica para que estudiantes y la comunidad puedan tomar cursos académicos y de desarrollo personal en localidades cercanas a su población. El programa de campus externo cuenta con 3 centros educativos situados en las ciudades de El Centro, Calexico y Brawley. También se ofrecen cursos en otras ciudades y poblados del Valle Imperial.

En estos Campus se pueden tomar clases regulares de crédito, clases de no-credito y de interés publico.

Las clases se ofrecen en el turno matutino y vespertino, incluyendo fines de semana. Las clases son ofrecidas por la facultad de IVC, la cual esta compuesta por personal docente de tiempo completo y de medio tiempo.

Cada campus cuenta con personal capacitado en áreas académicas y administrativas, incluyendo asesoria académica, cuentan con laboratorio de computación, con acceso a Internet, en los cuales pueden acceder a sus cuentas, en ellas pueden revisar sus horarios, hacer pagos entre otros servicios. Adicional a esto, tambien cuentan con un representante del departamento de becas y de ayuda financiera.

La misión del Campus Externo es proporcionar programas con calidad educacional y servicios personalizados en puntos estratégicos dentro del condado, y así de esta manera se fortalece la misión y meta del Colegio del Valle Imperial.

3. El Programa de Trabajo y Estudio

El programa de trabajo es coordinado entre el Colegio de la Comunidad del Valle Imperial y los empresarios públicos o privados de la comunidad. El colegio provee la organización y la coordinación de los salones de clases y el personal. Las agencias o empresarios que emplean a los estudiantes ofrecen las localidades donde puedan trabajar y capacitarse. Las unidades que obtengan pueden utilizarse para reunir algunos de los requisitos para su diploma de graduación.

4. Programas y Servicios Para Estudiantes Incapacitado (DSP&S)

Los estudiantes con discapacidades que asisten al Colegio del Valle Imperial son elegibles para servicios relacionados a su discapacidad bajo el Artículo 504 de las Ley de Rehabilitación y la Ley de Americanos con Discapacidades. Los servicios son proporcionados a estudiantes que necesitan entrenamiento en movilidad, con discapacidades visuales, de oído, habla, ortopedicas, problemas de aprendizaje, psicologicós, lesiones cerebrales, y otros problemas de salud. Estos servicios se ofrecen de manera individual y pueden incluir servicios de lectores, personas que tomen notas en clase, tutoría, asesoramiento académico, intérpretes de lenguaje a señas, prioridad para inscribirse, evaluación de problemas de aprendizaje, e instrucción de computadoras adaptadas.

5. El Programa Pre-escolar

La escuela pre-escolar está abierta cinco días de la semana de las 7:45 a.m. a las 5:30 p.m., de acuerdo con el calendario del colegio. Los servicios de cuidado infantil se ofrecen para niños de edad pre-escolar de 2 a 5 años de edad, cuyos padres son estudiantes del Colegio del Valle Imperial.

TITULOS/DIPLOMAS

La mesa directiva del colegio, por recomendación del presidente y la facultad del colegio, está autorizada de acuerdo con el Artículo 12, Sección 102, del Código Administrativo del Estado (State Administrative Code), Artículo 5, para conferir el título/diploma de Asociado en Filosofía y Letras (A.A.) y el Asociado en Ciencias (A.S.). Las condiciones que deben cumplirse para la entrega de un título/diploma están delineados en la sección de requisitos de graduación.

Un título/diploma o certificado se otorga a un estudiante que a llenado los requisitos de un programa de estudio organizado de dos años, ya sea en algún tipo de ocupación vocacional técnica o de clases preparatorias para seguir sus estudios en una universidad de cuatro años. El estudiante que desea transferirse a una institución superior de cuatro años tendrá que satisfacer los cursos, unidades, y requisitos de calificaciones que requiera la universidad a la cual desea asistir.

DISTINCION ACADEMICA

Graduación con Honores

El reconocimiento “**Con Distinción**” es otorgado a el estudiante, que en el curso de sus estudios en el colegio a obtenido un promedio de calificaciones de 3.5 o mejor en clases aplicables para el título.

El reconocimiento “**Condecoraciones**” es otorgado a el estudiante que obtiene un promedio de calificaciones de 3.0 en clases aplicables para el título.

Lista de Distinciones del Presidente del Colegio

El presidente del colegio da un reconocimiento especial a todo alumno que recibió durante el semestre previó un promedio de 3.0 o mejor en calificaciones que se obtuvieron al terminar 12 o más unidades.

PROGRAMA DE ASISTENCIA FINANCIERA

El Colegio del Valle Imperial tiene la convicción de que cualquier estudiante que tiene la capacidad de beneficiarse de una enseñanza no se le debe negar una educación por falta de recursos económicos.

Cada año hay varios tipos de ayuda disponible para estudiantes con necesidades económicas. Esta asistencia es ofrecida por el distrito del colegio, el estado, el gobierno federal, grupos cívicos, y ciudadanos.

Si desea más información sobre asistencia financiera favor de comunicarse con la Oficina de Asistencia Financiera ubicada en el Centro de Asesoramiento.

GASTOS

Los cobros y cuota de inscripción se tienen que pagar cuando usted se inscribe.

Cuotas

Cuota de Inscripción (Propensa a cambiar)*	\$20.00 por unidad
Cuota para Extranjeros o No residentes*	\$173.00 por unidad
Cuota por Representación Estudiantil	\$ 1.00 por semestre
Cuota de salud	
Otono/Primavera	\$14.00 por semestre
Invierno/Verano	\$11.00 por semestre
Cuota por el permiso de estacionamiento#	
Otono/Primavera	\$20.00 por vehiculo
Vehiculo Adicional	\$15.00 por vehiculo
Invierno/Verano	\$10.00
Vehiculo Adicional	\$7.00

*La carta de inscripcion puede cambiar sin comunicacion previa por el estado de California. Los estudiantes que estén inscritos en clases que no se están llevando acabo en el colegio no tienen que pagar por el permiso de estacionamiento.

RESPONSIBILIDADES FINANCIERAS

El incumplimiento de algún pago obligatorio al colegio, dará como resultado que este pueda suspender emisión de calificaciones, diplomas, y los derechos de inscripción.

Explicación de Cuotas

La Legislación del Estado de California, por orden del Gobernador, requiere que todo colegio comunitario en California cobre inscripción a todo estudiante por cada semestre que se inscribe.

La Legislación también a provisto asistencia financiera a estudiantes de bajos recursos que no puedan costear sus estudios y que califiquen para estos servicios de acuerdo a las Guías Estatales. Si desea información en cuanto ayuda financiera para costear sus estudios puede obtenerla en la Oficina de Asistencia Financiera.

La cuota de estacionamiento provee fondos para gastos administrativos y de operación para el mantenimiento del estacionamiento y facilidades de transportación.

Cuota de Matricula

Estudiantes no residentes del estado o extranjeros tienen que pagar la cuota de matrícula de \$173.00 dólares por unidad mas las cuotas de pago citadas.

El colegio aceptará los pagos de estudiantes no residentes o extranjeros en efectivo, giros postales Western Union, cheques personales, o cheques de banco. Los pagos de estudiantes no residentes o extranjeros deberán hacerse sin retraso.

Otros Gastos/Cuotas

Habra un cobro de \$25.00 por cada cheque que sea devuelto al colegio por falta de fondos.

POLIZA DE REEMBOLSO

No hay necesidad de solicitar reembolso de cuotas pagadas. Todos los reembolsos seran procesados cada semana, excepto durante periodos de inscripciones.

PERMISO DE ESTACIONAMIENTO

TODOS los vehículos estacionados en las áreas de estacionamiento del colegio deberán tener un permiso de estacionamiento vigente. Si va a traer un vehículo al colegio, favor de llenar la forma de registración adjunta a el paquete de inscripción.

ACREDITACION

El colegio esta oficialmente acreditado por la Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, que es reconocido por la Commission on Recognition of Postsecondary Accreditation y U.S. Department of Education, American Welding Society, California Association of Alcohol and Drug Educators, California Board of Registered Nursing, California Board of Vocational Nurse and Psychiatric Examiners, Commission on Accreditation of Allied Health Education Programs, Commission on Peace Officers Standards and Training, California State Department of Education, and National Academy of Early Childhood Programs. Copias de los reportes sobre acreditacion estan disponibles en la oficina de el Superintendent/President.

SERVICIOS DE ASESORAMIENTO ACADEMICO

Es la intención del Colegio ofrecer a todos los estudiantes información pertinente la cual necesitarán en el formulamiento de sus metas y objetivos, y asistirles en aprovechar al máximo sus potenciales y entrenamientos. El asesoramiento académico se ofrece por asesores profesionales con habilidades y entrenamiento en áreas académicas, vocacionales, y asesoramiento personal. El Centro de Asesoramiento está abierto de 7:00 a.m. a 8:00 p.m. de Lunes a Jueves, y de 8:00 a.m. a 5:00 p.m. los Viernes durante el año escolar. Un Centro de Carreras se encuentra localizado en el Centro de Asesoramiento. El Centro de Carreras provee extensa información vocacional y de carreras.

Aún cuando los asesores académicos ayudan a los estudiantes en el planeamiento de sus metas académicas a largo plazo, **la responsabilidad de llenar los requisitos para graduación o los requisitos para transferirse a otra universidad o colegio tiene que ser asumida por cada estudiante.** En el Centro de Asesoramiento los alumnos tienen acceso a una biblioteca de referencias y catálogos (Career Center) de diferentes colegios y universidades.

ACTIVIDADES ESTUDIANTILES

Las actividades de los estudiantes están reglamentadas por la Asociación Estudiantil del Colegio.

Los estudiantes que les interese tratar con el público encontrarán una oportunidad de desarrollar esta habilidad en clubs y eventos sociales durante el año. Los estudiantes que estén interesados en la música, periodismo, o administración de los asuntos estudiantiles, encontrarán la oportunidad para participar en estas actividades.

LIBRERIA Y CENTRO COLEGIAL

La librería del colegio es mantenida por el distrito mediante un acuerdo de arrendamiento con una compañía privada. En la librería del colegio el estudiante puede encontrar libros de texto y útiles escolares. En el edificio del Centro Colegial se encuentra una cafetería la cuál ofrece al estudiante comida y refrescos.

ATLETISMO

Competencia intercolegial se lleva acabo en diferentes deportes. El Colegio participa en competencias de la Conferencia de la Costa del Pacífico. Esta conferencia incluye a los colegios de Grossmont, MiraCosta, Palomar, San Diego City, San Diego Mesa, y Southwestern.

CENTRO DE APRENDIZAJE

Tutoría está disponible para todos los estudiantes que estén registrados en el colegio del Valle Imperial. El centro de tutores está localizada en la biblioteca (Spencer Library Media Center). El centro de aprendizaje ofrece una variedad de programas de tutores que proporcionan asistencia reparable, así como también programas de enriquecimiento para dirigir al estudiante a una mejor manera de estudiar, como tomar notas y como prepararse para tomar un examen. Estas sesiones son basadas sobre las reglas de el programa de cada individuo y podrían ser en la forma de tutoría individual o en grupos.

Además, se ofrecen servicios bilingües para estudiantes que hablen poco Inglés y desean ayuda académica en la interpretación de sus cursos. Grupos de conversación se ofrecen para aquellas personas que hablan poco Inglés para que practiquen conversando y así extiendan y enriquezcan su vocabulario.

OFICINA DE ASESORAMIENTO DE SU NIVEL ACADEMICO

El colegio requiere que todo estudiante que planee inscribirse en una clase de lectura, escritura, o matemáticas, tome los exámenes de ubicación para determinar su nivel academico en dichas areas, y así poder ubicarlos en las clases apropiadas.

PROCESO DE MATRICULACION

Matriculación es un proceso que promueve y sostiene los esfuerzos de estudiantes de colegios comunitarios para lograr sus metas educacionales mediante un programa coordinado de instrucción y el uso apropiado de programas y servicios. Inscripción en el colegio constituye un acuerdo en el cual el colegio es responsable de lo siguiente:

- * Asistir al estudiante en lograr éxito en sus estudios.
- * Asistir al estudiante a tomar buenas decisiones basándose en información correcta.
- * Ofrecer servicios y recursos para seleccionar las clases apropiadas que vayan de acuerdo a la carrera del estudiante.
- * Proporcionar al estudiante la oportunidad de desarrollar un plan de estudio.

El estudiante es responsable de lo siguiente:

- * Seleccionar una carrera después del semestre en el cual se cursaron 15 unidades.
- * Inscribirse en clases.
- * Asistir a clases.
- * Tomar sus estudios en serio.
- * Consultar con un asesor académico para desarrollar un plan de estudio.
- * Solicitar servicios adicionales cuando sea necesario.
- * Lograr su meta educacional.

Si el estudiante no cumple con sus responsabilidades, el colegio puede suspender los servicios prestados al estudiante. El colegio no puede suspender ningún servicio al cuál el estudiante tiene derecho bajo cualquier otra provisión de la ley y el estudiante tiene el derecho de apelar cualquier regulación de matriculación.

REGLAMENTOS

ADMISIÓN

La admisión al colegio está reglamentada por las leyes del Estado y dichos reglamentos suplementarios son prescritos por la mesa directiva. El estudiante que se inscribe en ocho o más unidades en cualquier semestre o al ver aprobado ocho unidades o más, se le requiere que (1) se asegure tener una copia oficial de su registro de calificaciones de la preparatoria o de otra institución de estudio superiores en la Oficina de Inscripción; (2) tomar los exámenes de ubicación.

A todo estudiante se le admite bajo una de las siguientes clasificaciones:

1. Graduado de preparatoria (High School) o su equivalencia (General Educational Development o California High School Proficiency Examination).

2. No-graduado de preparatoria que tenga 18 años de edad.
3. Estudiante de preparatoria recomendado por el director de la escuela para tomar de una a nueve unidades de clases. (Tiene que entregar documentación de que está inscrito en la preparatoria.) Participación en actividades extra-curriculares deben confinarse a la preparatoria. Estos estudiantes tendrán que asistir a la preparatoria (High School) medio tiempo.
4. Estudiantes que se transfieran de colegios y entreguen registros de calificaciones oficiales (preparatoria y colegios) se les dara preferencia.
5. Estudiantes extranjeros o de otros estados se les puede aceptar para inscripción, pero se les cobrará cuotas de matrícula. Para más informes acerca de esta cuota comunicarse con la Oficina de Inscripción.

REGISTRO DE CALIFICACIONES DEL ESTUDIANTE

El colegio da gratuitamente los primeros dos registros de calificaciones al estudiante. Habra un cobro de \$2.00 dólares por cada registro adicional. Se suspenderá un pedido de registro si el estudiante debe alguna cuota. Registros de calificaciones por medio de fax cuestan \$12.00 cada uno y no se consideran oficiales.

REGISTROS DE CALIFICACIONES EXTRANJEROS

El Colegio del Valle Imperial no evalúa registros de calificaciones de extranjeros. Un estudiante puede pedir que sea evaluado por:

International Educational Research Foundation, Inc.
 P.O. Box 66940
 Los Angeles, CA 90066
www.ierf.org

Por petición estudiantil, el Colegio del Valle Imperial puede aceptar cursos de bajo nivel educativo que sean recomendados por I.E.R.F. cuando sea apropiado. Solo aplica para los títulos AA/AS.

ACTA DE PRIVACIDAD Y DERECHOS EDUCATIVOS DE LA FAMILIA

El Acta de Privacidad y Derechos Educativos de La Familia (FERPA) otorga derechos a los estudiantes con respecto a sus expedientes académicos. Ellos son:

1. El derecho de inspección y revisión del expediente académico dentro de los 45 días de la fecha en que el Colegio recibe la solicitud para iniciar acceso. Los estudiantes deben de enviar al Decano de Admisiones un escrito que identifique el expediente(s) que ellos deseen inspeccionar. El Decano de Admisiones hará los arreglos necesarios para el acceso y notificará a los estudiantes del tiempo y lugar donde los expedientes deben ser inspeccionados. Si el expediente académico no es mantenido por el oficial del Colegio a quien se envió la solicitud, este oficial deberá avisar al estudiante quien es el oficial a quien debe dirigirse la solicitud.
2. El derecho de solicitar enmienda a las expedientes académicos que el estudiante cree que están equivocados o extraviados. Los estudiantes pueden solicitar al Colegio la enmienda del expediente académico que ellos considerarán

que están equivocados o extraviados. Ellos deben escribir a oficial del Colegio responsable del expediente, claramente identificar la parte del expediente que ellos quieran cambiar y especificar por que esto esta equivocado o extraviado. Si el Colegio decide no enmendar el expediente solicitado por el estudiante, el Colegio notificará al estudiante de la decisión y avisará al estudiante de su derecho para tener una audiencia relacionada con la solicitud de enmienda.

Información adicional respecto al procedimiento de la audiencia será proporcionada al estudiante cuando le notifiquen su derecho de audiencia.

3. El derecho de consentimiento para divulgar información personal contenida en el expediente académico del estudiante, excepto para extender lo que FERPA autoriza divulgar sin consentimiento.

Una excepción que permite a los oficiales escolares divulgar sin consentimiento, es divulgar con legítimo interés académico. Un oficial escolar es una persona empleada por el Colegio en una posición administrativa, supervisión, académica, investigación, personal de apoyo, (incluyendo la unidad de personal de reforzamiento de la ley y el personal de salud); una persona o compañía con la cual el Colegio ha contratado (como un abogado, auditor o agente de colección); una persona sirviendo en la Mesa Directiva Escolar; o un estudiante sirviendo a un Comité oficial, tal como los comites de disciplina y de quejas; o un oficial invitado de otra escuela en desarrollo de su trabajo.

Un oficial escolar que tiene legítimo interés académico si el oficial necesita revisar un expediente académico para cumplir su responsabilidad profesional Bajo solicitud, el colegio divulgará el expediente académico sin consentimiento de oficiales de otra escuela en la cual un estudiante busca o intenta inscribirse.

4. El derecho de queja con el Departamento de Educación de Estados Unidos, relacionado con fallas del Colegio del Valle Imperial para conformarse con los requerimientos de FERPA. El nombre y domicilio de la oficina que administra FERPA es:

Family Policy Compliance Office
 U.S. Department of Education
 600 Independence Ave., SW
 Washington, D.C. 20202-4605

La siguiente información estará disponible en las oficinas de Admisiones y de Consejeros para cada uno de los estudiantes inscritos: nombre, domicilio, teléfono, fecha y lugar de nacimiento, materias y unidades en las cuales el estudiante se inscribió, fecha de asistencia, matrícula y fecha de terminación/ baja, actividades y deportes que participan, campo de estudio, peso y estatura de los atletas, lo más reciente de las escuelas que asistieron, y las calificaciones y certificados otorgados. Cualquier estudiante que no desee que su nombre sea incluido en la lista, debe llenar una solicitud requiriendo que se borre de la lista antes de la apertura del termino escolar.

Para información adicional o una copia de la ley, contacte la oficina de Registro en el edificio Administrativo.

ACTA DE NO-DISCRIMINACION

El colegio no discrimina en la admisión ni al proporcionar programas y actividades por motivo de nacionalidad, color, religión, edad, estado civil, origen, sexo, o incapacidad física del individuo.

(Los estudiantes que están calificados para entrar en el programa de educación vocacional no pueden ser excluidos debido a su limitado inglés.)

La persona encargada de llevar a cabo la apegiación de la Sección 504 de la Acta de Rehabilitación de 1973 (Section 504 of the Rehabilitation Act of 1974) es el Sr. Travis Gregory, P.O. Box 158, Imperial, CA 92251, (760) 352-8320, Ext. 312, TTY (760) 355-4174. La representante del Título IX en el colegio es el Sr. Lincoln Davis y la Sra. Olga Artechí, P.O. Box 158, Imperial, CA 92251, (760) 352-8320, Ext. 289 ó 264.

REQUISITOS DE RESIDENCIA LEGAL

Bajo el Código de Educación, un estudiante tiene que pagar por la instrucción que recibe a menos que justifique su residencia como estudiante, o que reúna los requisitos de cierto programa especial.

Toda persona inscrita o que este solicitando admisión a un colegio comunitario, con el propósito expreso de ser admitido o matriculado es clasificado como "residente" o "no-residente".

El estudiante clasificado como "residente" será admitido sin tener que pagar la cuota de matrícula de un "no-residente". El estudiante clasificado como "no-residente" tendrá que pagar la cuota de matrícula asignada por la mesa directiva.

1. Un "residente" es una persona que ha residido legalmente en California por lo menos un año y un día antes de matricularse.
2. Un "no-residente" es una persona que no ha residido legalmente en California por más de un año y un día antes de matricularse.

La "Fecha de Determinación de Residencia" tendrá que ser el mismo día que precede al primer día de clases ya sea en el semestre o al terminar las clases de verano.

La póliza de residencia requiere que el estudiante radique físicamente en California con el propósito de establecerse permanentemente.

Para determinar el lugar de residencia del estudiante, se hace referencia a lo siguiente:

1. Cualquier persona que esté casada o de 18 años de edad o mayor, y sin ninguna imposibilidad legal para establecer residencia.
2. Solo puede admitirse un lugar de residencia.
3. La residencia puede cambiarse por medio de un acto de unión o intento.
4. La residencia de un padre con el cual un menor no casado vive se considera la residencia del menor soltero. Cuando el menor no vive con ninguno de los dos padres, se considerará el último lugar de residencia en el cual el joven tuvo con sus padres. El joven puede establecer su propia residencia cuando los padres han fallecido y no se le ha asignado a algún tutor legal.

5. El menor no podrá cambiar su residencia si uno de sus padres aún vive, o por un oficio legal de su tutor, o por el derecho adoptivo por haber sido abandonado por sus padres, a menos que el joven califique para mantenerse a sí mismo.

Se puede pasar por alto alguno de los puntos de determinación de residencia ya citados. Si el estudiante por otra parte es clasificado como "no-residente", pero si cumple con una de las siguientes excepciones, se puede permitir la clasificación de "residente" hasta que obtenga la clasificación. Las excepciones son:

1. Menores que permanecen en California después que sus padres se han mudado del estado, siempre y cuando los padres hayan sido residentes de California antes de la fecha de clasificación de residencia.
2. Menores que se mantienen a sí mismos y han vivido en California por un año antes del semestre, se les permitirá la clasificación de residente.
3. El estudiante que aún no es adulto por más de un año antes de la fecha de determinación de residencia, puede agregar el tiempo de residencia antes de cumplir los 18 años de edad a el tiempo de residencia después que cumpla los 18 años de edad para obtener los requisitos de residencia.
4. A partir del 1ro de Enero de 1995, todo estudiante que sea miembro de la fuerza militar de los Estados Unidos asignado a el estado de California en facción activa, excepto aquellos que fueron asignados a el estado de California con el propósito de obtener una educación, a estas personas no se les obligará pagar la cuota de no-residente, el estudiante deberá estar en facción activa militar en la fecha determinada de residente. Los dependientes de un miembro de la fuerza militar no se les otorgará la excepción de las cuotas de no-residente. Un dependiente de un no-residente de la fuerza militar tiene derecho a un año de excepción "hasta que él o ella halla vivido en el estado por el tiempo mínimo necesario para establecer residencia permanente."
5. El extranjero adulto que no sea excluido de establecer su domicilio en los Estados Unidos por el Acta de Emigración y Nacionalidad puede ser elegible para establecer residencia si reúne los requisitos de presencia física y el intento de hacer su hogar en California. El extranjero que tenga las siguientes clasificaciones puede establecer residencia utilizando las mismas reglas que se utilizan para evaluar a ciudadanos de los Estados Unidos:
 - a. Visa de Estudios (Career Diplomat Visa)
 - b. Visa Fiancé (Fiancé Visa)
6. Un estudiante que tenga una credencial autorizada para brindar sus servicios profesionales a una escuela pública y que está empleado en una posición certificada por el distrito del colegio de la comunidad se le dará clasificación de residente.
7. A un estudiante que sea un aprendiz dentro de los reglamentos estipulados en la Sección 3077 del Código de Trabajo, tiene el derecho de ser clasificado como residente.

8. Un estudiante que es empleado de tiempo completo de una Institución de estudios superiores en California, o que sus padres o esposo/a sea un empleado de tiempo completo, tiene el derecho de ser clasificado como residente si la institución de matriculación lo permite.
9. Un estudiante puede ser clasificado como residente si vive con sus padres y si sus padres se sostienen con ingresos agrícolas, o son empleados por el estado de California u otros estados y han desempeñado tal trabajo en este estado por lo menos dos meses dentro del año; los padres viven dentro de los límites del distrito del colegio; el padre reclama al estudiante como dependiente en los impuestos estatales y federales.
10. Un estudiante que trabaje en agricultura para el estado de California dos meses al año durante los últimos dos años podrá clasificarse como residente.

Ningún factor es decisivo; sin embargo, la institución tiene el derecho de verificar la residencia legal del estudiante por medio de los siguientes documentos; licencia de manejo, recibo de luz, recibo de registración para votar, recibo de arrendamiento, contrato de renta, o recibo de renta con el nombre, domicilio y lugar de residencia, tarjeta de una biblioteca, documentación de impuestos federales o estatales, una cuenta de pago corriente o de crédito, o una chequera.

Es la responsabilidad del estudiante demostrar que está viviendo en California y que tiene el intento de establecer residencia en California.

El estudiante que no conteste todas las preguntas en el Cuestionario de Residencia o en el Cuestionario Suplementario de Residencia, se le puede clasificar como no-residente.

RESTRICCIÓN DE INSCRIPCIÓN

Un programa de estudios normal equivale 19 unidades. Por lo menos se tendrán que tomar de 15 a 16 unidades para poder graduarse en un período de dos años o cuatro semestres.

Un programa de estudios normal durante el verano equivale a (6) unidades

El máximo de unidades que puede tomar un estudiante es de 19, incluyendo un curso de educación física. Hay excepciones en cuanto al número de unidades que un estudiante puede tomar siempre y cuando la administración (a través de una petición) otorgue un permiso especial debido a que tienen pruebas que el estudiante a demostrado que ha sobresalido en sus estudios académicos.

Un estudiante que está inscrito en cualquier otra escuela o colegio (esto incluye cursos por correspondencia o estudios independientes) tendrán que reportar tal inscripción a la Oficina de Inscripción. No se podrá exceder el número de 19 unidades por semestre.

CLASES DE CORTA DURACIÓN

Los procedimientos de inscripción para clases de corta duración son igual a las clases regulares. Sin embargo, a continuación se presenta una lista de puntos acerca de estas clases que se tienen que tomar en cuenta:

1. Los estudiantes pueden inscribirse en clases de corta duración hasta un-decimo de la duración del curso.
2. El último día para retirarse de una clase con una "W" es de 75% de la duración del curso.

3. Se pueden reembolsar las cuotas de pago hasta un-decimo de la duración del curso.
4. Se registrarán las unidades en el último semestre que terminen las clases. Por ejemplo, si la clase empieza durante el semestre de otoño y continua hasta el semestre de primavera, las unidades y calificaciones se registrarán en el semestre de primavera.

CAMBIOS EN LOS HORARIOS DE CLASES

Al inscribirse en cursos, se espera que el horario de clases que entregue el estudiante sea exácto; y que no se hagan cambios al archivar la inscripción. Si se tiene que hacer un cambio, el estudiante puede agregar clases durante el tiempo designado al principio de cada semestre. Los cambios pueden hacerse por medio de llenar una forma para agregar clases (add card) y la debida aprobación del maestro. Esta forma se entregará en la Oficina de Inscripción.

SISTEMA DE CALIFICACIONES PARA BECAS

Las calificaciones se basan en la calidad de trabajo que esté logrando el estudiante al terminar la clase que se esté tomando. Las calificaciones que indican el logro académico del estudiante se entregan cuando termina cada semestre.

Un promedio de 2.0 (C) o mejor tendrá que obtenerse en las clases.

1. Calificaciones

- A Excelente
- B Mejor que el Promedio Medio
- C Promedio Medio
- D Promedio Bajo
- F Reprobado
- I Clase No Terminada
- CR Crédito (al menos Promedio Medio)
- NC No Crédito (menos de Promedio Medio)
- IP En Curso

Se puede acordar un contrato de incompleto para TRABAJO NO TERMINADO, indicando las razones de salud u otra razón de fuerza mayor por las cuales no se terminó la clase.

Una indicación de Incompleta (I), que no se termine al finalizar las sexta semana del siguiente semestre, se convertirá automáticamente en una calificación. La calificación que se de se utilizará para obtener el promedio de las calificaciones.

El símbolo "IP" es usado solamente cuando el término de alguna clase se extiende más allá de lo de un término académico normal. La calificación será asignada al terminar la clase.

2. Grado de Crédito Solamente (Credit Grade)

Ciertos cursos designados por la división apropiada pueden tomarse para obtener calificación de crédito solamente. Los estudiantes que deseán la calificación de "Cr" deberán notificarle al maestro dentro de la sexta semana del semestre:

- a. La calificación de "CR" refleja una calificación de "C" o mas alto.
- b. La calificación de "NC" indica la clase incompleta.
- c. Calificaciones de "CR" se permiten en la especialización del estudiante en el Colegio del Valle Imperial con la autorización del departamento.

- d. Los estudiantes que soliciten una calificación de “CR” deberán apegarse al mismo criterio y reglas del estudiante que va a recibir una calificación.
- e. Un máximo de 16 unidades pueden tomarse como “CR” y pueden utilizarse para el título.
- f. Una calificación de “CR” satisface el requisito que se debe tomar de antemano para la secuencia de una clase.

3. Dejar Una Clase (Withdrawal Grade)

Un estudiante puede dejar cualquier clase de tiempo completo en el colegio con una calificación de “W” al finalizar la semana número 14 o menos del 75% del semestre, por medio de llevar y entregar una forma de abandono de clases (drop card) en la Oficina de Inscripción. Después de la semana número 14 o menos del 75% del semestre, el estudiante puede dejar una clase pero recibirá una calificación.

Cualquier instructor puede dar de baja de una clase a un estudiante durante las primeras 14 semanas o menos del 75% del semestre, por faltas excesivas a clase o por razones de disciplina.

Se asignarán las siguientes calificaciones por dejar una clase de acuerdo a la siguiente lista:

Primer 75% de la clase Calificación de “W” Ultimo 25% de la clase Otra calificación en lugar de “W” Todas las calificaciones de “W” son oficialmente procesadas por la Oficina de Inscripción. El maestro puede entregar formas de abandono de clase con o sin la firma del estudiante durante las primeras 14 semanas o menos del 75% del semestre. Durante las primeras 14 semanas o menos del 75% del semestre, los estudiantes tendrán la oportunidad de entregar formas de abandono de clases. Si el estudiante entrega una forma de abandono de clases será procesada con la firma o sin la firma del maestro. El maestro sera informado de la solicitud de abandono de clases del estudiante.

En casos de fuerza mayor al estudiante se le permitirá retirarse de una clase después del último día de la semana número 14 o menos del 75% del semestre entregando una petición después de haberlo consultado con su maestro.

Casos de fuerza may or deberán ser verificados por el estudiante como tales, por ejemplo, un accidente o enfermedad seria, o la asignación del estudiante a otro lugar por orden militar.

4. Inscripción en Curso Preparatorio (Proficiency Enrollment)

Una vez que el estudiante a terminado un curso preparatorio con una calificación aceptable, no podrá tomar un curso preparatorio mas bajo del que ya tomó en la misma área. Por ejemplo: Un estudiante no debe inscribirse en Inglés 100 después de haber aprobado Inglés 101. (Esto no aplica a cursos de repaso vocacionales.)

5. Cómo Repetir una Clase (Repeated Classes)

Procedimiento para repetir una clase:

- a. El estudiante que desee repetir una clase debido a que obtuvo una D o F de calificación tendrá que llenar una Forma de Repetición de Clase (Notice of Repeated Class Card). Esta forma se entregará a la Oficina de Inscripción antes de que se termine la clase que se quiere repetir.

La Oficina de Inscripción procesará la Forma de Petición Para Repetir la Clase y aprobará la petición del estudiante para que la calificación, unidades, y los puntos de la clase original no se utilizen para calcular el promedio de calificaciones.

- b. Bajo circunstancias especiales, un estudiante puede repetir un curso en el cual obtuvo una calificación de una

“C” o mas alto. La repetición de este curso es permitido por medio del proceso de Petición. Las calificaciones que se obtengan de clases repetidas no podrán utilizarse para calcular de nuevo el promedio de calificaciones previamente obtenidas.

6. Puntuaje de Calificaciones (Grade Points)

Puntuaje de calificaciones, unidades por semestre, se asignan de la siguiente forma:

- A - 4 puntos por unidad
- B - 3 puntos por unidad
- C - 2 puntos por unidad
- D - 1 punto por unidad
- F - 0 puntos por unidad
- Cr - 0 puntos por unidad; las unidades no se contarán contra el estudiante
- NC - 0 puntos por unidad; las unidades no se contarán contra el estudiante
- I - 0 puntos por unidad; las unidades no se contarán contra el estudiante
- IP- 0 puntos por unidad: las unidades no se contarán contra el estudiante
- W - 0 puntos por unidad; las unidades no se contarán contra el estudiante

El promedio de calificaciones es calculado por medio de dividir el total de puntos obtenidos por el total de unidades que tomó menos los puntos por crédito. Así que, en cualquier semestre, si las calificaciones obtenidas son un total de 28 y el total de unidades que se tomó menos los creditos es equivalente a 14, el promedio es de 2.0.

7. Créditos por Medio de Tomar un Exámen (Credit by Examination)

Un estudiante inscrito puede hacer petición para tomar un exámen en lugar de tomar la clase entre la sexta y decima cuarta semana de cada semestre. Un máximo de 25 unidades se pueden utilizar para graduación utilizando este proceso. No se utilizaran más de 15 unidades por semestre. El costo para tomar cada exámen será de \$20.00 dólares por unidad mas \$10.00 dólares de costos administrativos. La forma de petición para créditos por medio de un exámen puede obtenerse en la Oficina de Inscripción.

8. Crédito por Medio de Tomar Exámenes de Ubicación Avanzada (Advanced Placement Examinations)

El colegio otorga crédito para el título (A.A. o A.S.) a estudiantes que terminen exitosamente exámenes del “Advanced Placement Program of The College Board”. A estudiantes que presenten calificaciones de 3 puntos o mejor el colegio les otorgará crédito. Estudiantes de preparatoria (High School) que planeen parti-cipar en este programa deberán hacer los arreglos necesarios con sus escuelas, y deberán indicar en el momentoque tomen el exámen que desean que sus calificaciones sean enviadas al Colegio del Valle Imperial. Paraobtener crédito y ubicación avanzada, el estudiante debe comunicarse a la Oficina de Inscripción o consultar a un asesor académico en el Colegio del Valle Imperial.

La tabla de Ubicación Avanzada indica las unidades otorgadas por el colegio para cada materia según las calificaciones obtenidas en cada examen que ofrece el College Board.

Favor de ver la pagina 45 para información más detallada.

9. Crédito Otorgado por medio de Programas y Cursos de Ocupación Regional

Poliza:

El Colegio del Valle Imperial otorga crédito para el título (A.A. o A.S.) al completar cursos específicos del Program de Ocupación Regional (ROP) y cursos de la preparatoria que se han articulado con cursos del Colegio del Valle Imperial.

El colegio otorgara crédito solo si:

1. El curso de ROP ha sido terminado con calificación de "B" o mejor.
2. El instructor de ROP ha recomendado al estudiante.
3. El curso de nivel más avanzado es terminado en el Colegio del Valle Imperial con una mínima calificación de "C" para cursos de Tecnología de Negocios o de Enfermería y una calificación mínima de "B" en cursos de Administración de Justicia. Estudiantes que deseen participar en este programa deben de seguir este procedimiento:

Procedimiento:

1. El estudiante debe de estar matriculado en el Colegio del Valle Imperial.
2. El estudiante debe de presentar una solicitud al Colegio del Valle Imperial con el Certificado oficial de ROP que incluya la calificación del curso y la recomendación del maestro.
3. Después que el curso del nivel más avanzado es terminado en el Colegio del Valle Imperial con la calificación requerida, el estudiante debe solicitar crédito por el curso articulado. Un asesor académico debe de firmar la solicitud y entregar una copia del certificado de ROP con el registro de calificaciones del Colegio del Valle Imperial. Para obtener una lista de cursos articulados con el Programa de Ocupación Regional consulte con un asesor académico o en la oficina de educación vocacional (Voc Ed).



10. Ubicación Avanzada en el Programa de Enfermería

(Por favor vea la sección en Inglés para descripción completa)

El estudiante que ha tomado clases de enfermería puede ser elegible para inscripción de preferencia en el programa de estudios de enfermería. Puede revalidar materias de enfermería que ha tomado durante los pasados cinco años. La clases en educación general serán evaluadas individualmente.

La evaluación de la experiencia y clases que ha tomado el estudiante serán analizadas individualmente por el personal del Departamento de Enfermería. Para obtener más detalles, comunicarse con el Departamento de Enfermería.

11. Crédito Otorgado a Militares

El manual "A Guide to the Evaluation of Educational Experiences in the Armed Services, American Council on Education", se utiliza para evaluar el crédito para los militares.

- a. Al presentar la forma DD214 (mínimo de 180 días de participación activa que incluye entrenamiento básico) al Representante Asistente de Veteranos del Ejército, el veterano puede obtener automáticamente 4 unidades de crédito por entrenamiento básico del servicio militar de los Estados Unidos de Norteamérica, 2 unidades de educación física y dos unidades en educación de la salud.
- b. Se considerará crédito adicional por medio de una petición y documentación apropiada.
- c. El total de créditos militares no tendrá que exceder 16 unidades.

12. Crédito Obtenido en Cursos Universitarios

Créditos obtenidos en cursos universitarios no podrán usar se para obtener un título (A.A. o A.S.). La única excepción es si el curso universitario se ofrece a nivel de colegio comunitario.

13. Renovación Académica (Academic Renewal)

Esta es una póliza que excluye calificaciones bajas sin tener el estudiante que repetir clases. Un estudiante puede hacer una petición de Renovación Académica después de un período de cinco años y después de haber cursado 12 unidades con un promedio de 2.0 o más alto.

Calificaciones de D's, F's o un semestre completo pueden ser excluidas. Un máximo de dos semestres o 30 unidades pueden ser excluidas. Se tiene que consultar a un asesor académico para hacer una petición de Renovación Académica. Una vez que se a finalizado este proceso, las clases o calificaciones que han sido excluidas no podrán volver a reinstalarse.

CALIFICACIONES PARA EL SEMESTRE

Al finalizar el semestre la Oficina de Inscripción enviará al estudiante su boleta de calificaciones.

TRAMPA O PLAGIO

En caso de que a un estudiante se le descubra haciendo trampa o plagiando el estudiante puede recibir un grado de "F" para ese curso.

CONDUCTA DEL ESTUDIANTE

Se entiende de antemano que una vez que ingresa el estudiante al colegio está enterado de los Reglamentos de Conducta para los Estudiantes.

NORMAS DE CONDUCTA ESTUDIANTIL

El propósito del Colegio del Valle Imperial es el de proporcionar a los estudiantes de esta comunidad con programas de instrucción de educación universitaria. El Colegio se enfoca en cultivar sabiduría, la búsqueda a la verdad, y la expansión, de ideas. Investigación gratuita y la libertad de expresión son indispensables para alcanzar estas metas. Como miembros de la comunidad del Colegio, los estudiantes son alentados a desarrollar la capacidad de opinar críticamente y de emplear una búsqueda basada en la honestidad. Los estudiantes del Colegio del Valle Imperial pueden contar justamente con el profesorado y administración para proporcionarles un ambiente en el cual tengan la libertad de aprender. Esto requiere de condiciones apropiadas y de oportunidades en el salón de clase. Como miembros de la comunidad del Colegio, los estudiantes deberán de ser alentados a desarrollar una opinión crítica y de ejercitar sus derechos de investigación y expresión de manera responsable y sin violencia.

Los estudiantes deberán de asumirse a la obligación de conducirse de manera compatible con la función educacional. Los estudiantes deberán de observar el reglamento del Colegio y deberán de abstenerse a actuar de manera que interfiera con la enseñanza y administración de éste o que interfiera irracionalmente con los derechos de otros estudiantes. Mala conducta ocurrida en el terreno del Colegio o en un evento en el cual estudiantes y organizaciones estudiantiles estén presentes, es propensa a las siguientes acciones disciplinarias, pero no limitadas a las siguientes:

- (1) Desobediencia mal intencionada hacia oficiales del Colegio desarrollando sus deberes.
- (2) Violación al reglamento del Colegio; incluyendo al de organizaciones estudiantiles, el uso de propiedad del Colegio, o del lugar, tiempo y modo de expresión pública o de distribución de material.
- (3) Falta a la honradez como por ejemplo, engaño o fraude y por proporcionar falsa información al Colegio.
- (4) Fumar intencionalmente en lugares donde no es permitido.
- (5) Traspasar o usar propiedad del Colegio sin permiso.
- (6) Falsificación, alteración, o mal uso de documentos, archivos o identificación del Colegio.
- (7) Interrupción de clases, administración, procedimientos disciplinarios o actividades autorizada del Colegio.
- (8) Robo de o daño a propiedad del Colegio, o a algún miembro de éste incluyendo visitante.
- (9) Conducta obscena, desordenada e indecente.
- (10) Asalto o amenaza directa hacia un miembro del Colegio o visitante.
- (11) Fabricar ilícitamente, distribuir, dispensar, posesión o uso de sustancias restringidas y posesión, uso o distribución de alcohol.
- (12) Posesión durante estancia en el Colegio o actividad de éste de cualquier instrumento o cualquier arma como bombas de fuego, daga o arma de fuego (armada o sin armar) como pistola,

revolver o rifle, cualquier clase de cuchillo filoso o que tenga una hoja de más de cinco pulgadas de larga, cualquier navaja de más de dos pulgadas, o cualquier palo de metal que pueda ser utilizado para dañar cualquier parte del cuerpo.

- (13) Cometer cualquier crimen dentro o fuera de la propiedad. Si el crimen cometido fuera de la propiedad del Colegio fue de tal magnitud que el Colegio necesita imponer sanciones además de esas impuestas por la ley para protección de otros estudiantes o para la seguridad del proceso académico.

Violación a este reglamento será sujeto a las acciones disciplinarias consiguientes.

- (1) Advertencia.
- (2) Reprimenda.
- (3) Acción disciplinaria.
- (4) Reparación, reembolso por daño a propiedad.
- (5) Suspensión o deposición por instructor.
- (6) Expulsión.

Las polizas completas de Normas de Conducta del Estudiante, Acción Disciplinaria, y Procesos están localizadas en el Manual para el Profesorado y Líderes Estudiantiles en la oficina de Student Life.

REGLAMENTOS DEL COLEGIO

Velocidad de 10 m.p.h. en la escuela será estrictamente enforzada.

Esta prohibido fumar en todos los edificios del colegio.

Vehículos impulsados por si mismos o de motor, que no pertenezcan al distrito, con la excepción de sillas de ruedas, no son permitidos en las aceras y canchas de juego.

PERIODO DE PRUEBA ACADEMICA

El Período de Prueba Académica (Academic Probation) es un sistema que se utiliza para identificar el progreso del estudiante que está experimentando alguna dificultad en progresar en su programa de estudio, y a la misma vez ofrece asistencia a el estudiante para reevaluar objetivos académicos y asesoría para que logre sus metas académicas. El estudiante que este bajo período de prueba académica será identificado lo más pronto posible al finalizar cada semestre y será referido al Centro de Asesoramiento Académico (Counseling Center). Hay dos clases de Período de Prueba Académica:

Prueba Escolastica

Cualquier estudiante que termine más de seis unidades en el semestre de otoño o primavera y obtenga un promedio menor de 2.0 se le pondrá bajo Prueba Escolástica (Scholastic Probation). El estudiante permanecerá bajo Prueba Escolástica hasta que obtenga un promedio de 2.0 o mejor en el siguiente semestre regular. Sesiones de verano no cambian la prueba escolastica.

Bajo Prueba por Falta de Progreso

Al final de cada semestre, cualquier estudiante que se halla inscrito en 12 unidades o más y que halla obtenido calificaciones de W's, I's y NC's en el 50 por ciento o más de esas unidades, será puesto bajo-prueba por falta de progreso (Lack-of-progress-probation). Un estudiante que está bajo-prueba por falta de progreso, no será removido de esa prueba hasta que el porcentaje de unidades en W's, I's, y NC's ya terminadas sean de un 50 por ciento o más de la inscripción registrada del estudiante. Sesión de verano no cambian la prueba escolastica.

PETICIONES Y PROCESO DE AUDIENCIAS

El estudiante que ya no asiste o que aún está asistiendo al colegio tiene el derecho de buscar y recibir respuestas a cualquier pregunta relacionada a su programa de estudios de acuerdo con la filosofía educativa del Distrito del Colegio Comunitario del Valle Imperial.

Proceso Para Hacer Una Petición

El proceso de petición se utiliza para obtener una excepción a alguna de las reglas o requisitos del colegio.

Procedimiento Para Hacer La Petición

El estudiante utilizará una forma de petición (disponibles en la Oficina de Inscripción) después de ser revisada, se le informará sobre la resolución tomada. Si el estudiante no está satisfecho con la resolución que se tomó, puede hacer otra petición, esta vez ante un comité.

Proceso Para Una Audiencia

Hay tres áreas establecidas de las cuales se requiere que un estudiante u organización siga reglas establecidas para pedir una audiencia. Estas son:

1. Reglamentos de la Conducta del Estudiante
2. Acceso a los Archivos de los Estudiantes y Procedimientos de Demanda
3. Póliza de Procedimiento de Agravio en Asuntos de Imparcialidad

Procedimientos Para Una Audiencia

A un estudiante u organización se le solicita que escriba un resumen de los puntos o preguntas que desea discutir y entregarlas al Oficial de Inscripciones, quién es la persona designada para coordinar el procedimiento de audiencia.

ASISTENCIA Y RETIRO DE CLASE AUTOMATICAMENTE

Un estudiante que no asista al primer día de clases será automáticamente dado de baja de la clase. Si el estudiante desea ser readmitido a la clase, su estado como estudiante será igual a cualquier otro estudiante que desee inscribirse en la clase.

Se espera asistencia regular de todos los estudiantes inscritos en las clases. A los maestros se les pide que tomen en consideración la asistencia del alumno para determinar la calificación que recibirá el estudiante. Al estudiante se le puede excluir de las clases durante cualquier semestre cuando las ausencias después de haberse cerrado la inscripción, excede el número de horas de la cual la clase se reúne por semana. Además, el maestro tiene la autoridad de expulsar a un estudiante que esté perturbando la clase.

Tres tardanzas de parte del estudiante son consideradas una falta. Ausencias oficialmente aprobadas debido a que el estudiante tiene que representar al colegio en conferencias, concursos y viajes de excursión no se contarán como falta.

RETIRARSE DE UNA CLASE VOLUNTARIAMENTE

Un estudiante que se ve obligado a darse de baja del colegio por circunstancias de fuerza mayor tendrá que comunicarse con la Oficina de Inscripción (Registration Office) para seguir los procedimientos apropiados. (Ver "Calificaciones de Retiro de Clases")

EXPULSIÓN ACADEMICA

Este es un sistema de interrupción forzosa de asistencia al colegio en casos en que el estudiante no es capaz de progresar en programas académicos dentro de los recursos disponibles en el colegio.

Estudiantes son sujetos a los dos siguientes tipos de expulsión académica:

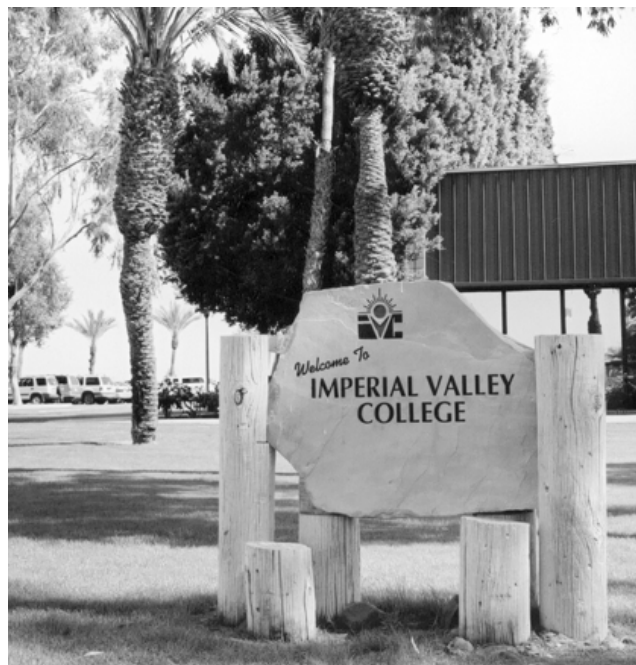
EXPULSIÓN ESCOLASTICA

La evaluación para Expulsión Escolástica ocurre a fines del semestre de otoño al igual que el semestre de primavera cuando el estudiante ha sido previamente puesto bajo Prueba Escolástica, y tiene un promedio total 1.75 puntos o menos en los últimos tres semestres consecutivos de inscripción. El estudiante será notificado por carta tan pronto sea posible después del semestre en el cual la evaluación de expulsión ocurra. Al estudiante que sea expulsado no se le permitirá que se inscriba durante el siguiente semestre (la excepción será el estudiante que fue expulsado el semestre de otoño pero que se inscribió para el semestre de primavera.

A tal estudiante se le permitirá que continúe en las clases durante el semestre de primavera, al término del cual será evaluado de nuevo para Expulsión). Al estudiante expulsado no se le permitirá que inscriba para el próximo semestre (excepto con permiso especial después de haber hecho una petición al comité de Admissions, Registration, and Petition's).

EXPULSIÓN POR FALTA DE PROGRESO

La evaluación para expulsión por Falta de Progreso ocurre a fines del semestre de otoño al igual que el semestre de primavera cuando el estudiante ha sido puesto previamente bajo prueba por falta de progreso, y tiene un 50% o más de inscripción acumulada de "W", "I", o "NC" en los últimos tres semestres consecutivos de inscripción. Al estudiante que sea expulsado no se le permitirá que se inscriba durante el siguiente semestre (la excepción será el estudiante que fue expulsado el semestre de otoño pero que se inscribió para el semestre de primavera. A tal estudiante se le permitirá que continúe en las clases durante el semestre de primavera, al término del cual será evaluado de nuevo para Expulsión). Al estudiante expulsado no se le permitirá que se inscriba para el próximo semestre (excepto con permiso especial después de haber hecho una petición al comité de Admissions, Registration, y Petition's)



ELIGIBILIDAD Y CERTIFICACION DE INSCRIPCION PARA VETERANOS DEL EJERCITO

El Colegio del Valle Imperial es una institución reconocida de educación post-secundaria. Tiene la autorización para ofrecer a veteranos elegibles y sus dependientes programas de beneficios relacionados con su servicio militar que puede conducir a un título (A.A. o A.S.) o a transferencia a una universidad de cuatro años. El asistente de veteranos, localizado en el centro de Asesoramiento, ofrece orientación y asistencia a veteranos y sus dependientes elegibles a establecer su elegibilidad para sus beneficios educativos.

Para obtener información más detallada sobre la poliza y reglamentos de Beneficios Veteranos consulte con un asesor académico.

EDUCACION FISICA Y DEPORTES

Como el colegio cree fuertemente en la eficacia de la educación física para la salud de todas las edades, sexo, o condición física, una clase esta disponible y apropiada para el cumplimiento físico y al nivel de cada estudiante.

Excepciones pueden ser concedidas para:

1. Incapacidad física (se requiere una nota médica)
Al tiempo de pedir una petición para graduación, el estudiante deberá de presentar una habilidad mínima en lo siguiente:
2. Un termino próspero de la clase de PE 100 más aparte una clase electiva de PE en la unidad de actividad (3 unidades requeridas).

Todo estudiante que está inscrito en una clase de educación física tendrá que vestirse apropiadamente. El vestuario apropiado incluye tenis, pantalón corto, patalones de entrenamiento, camiseta u otros artículos similares para actividad rigurosa.

CAMBIOS EN EL CATALOGO

Cuálquier reglamento adoptado por la administración del Colegio del Valle Imperial tendrá la misma validez que cuálquier reglamento impreso en el catálogo y deberá anteceder, con una notificación pública, la decisión que se halla tenido sobre el tema, esto aparecerá en el catálogo o en boletines oficiales del colegio.

Un estudiante puede graduarse bajo el catálogo vigente al inicio de su matricución con la condición que mantenga su estado de inscripción continuo durante cada semestre (excluyendo las sesiones de invierno y verano).

GRADUACION

Título de Profesional Asociado

Llenandose los siguientes requisitos, los estudiantes del colegio recibirán el diploma de Asociado en Filosofías y Letras (A.A.) o Asociado en Ciencias (A.S.), dependiendo en su area de especialización. El estudiante es responsable de entregar la solicitud de graduación. La solicitud deberá entregarse en la Oficina de Inscripción a no más tardar la cuarta semana de cada semestre y la primera semana de la sesión de verano. La solicitud se entregará junto con \$10.00 dólares los cuales no serán reembolsados una vez pagados.

Un título de Profesional Asociado (Associate Degree) adicional puede obtenerse si el estudiante termina los cursos apropiados y obtiene las unidades necesarias para el título adicional. Los cursos terminados para un título pueden utilizarse en otras especializaciones según se soliciten. Si el estudiante interrumpe sus estudios este será responsable por los requisitos adicionales o clases para el título de acuerdo a como está delineado en el catálogo más reciente del colegio.

Los requisitos de graduación son estipulados por el estado y el colegio. Estos requisitos de educación general son diseñados para desarrollar el potencial académico de cada estudiante, ampliar sus oportunidades, y contribuir a la realización intelectual del individuo.

Para obtener una lista de especializaciones y los requisitos necesarios para el titulado (A.A. o A.S.) consulte con un asesor académico.

CALIFICACION POR CURSOS TOMADOS POR CORRESPONDENCIA Y CURSOS DE EXTENSION

Un estudiante puede hacer una petición para poder utilizar para graduación un maximo de seis (6) unidades de cursos tomados por correspondencia o cursos de extensión. Estos cursos tienen que satisfacer los siguientes requisitos:

1. Estos cursos se deben haber tomado en un colegio o universidad.
2. Estos cursos tienen que ser designados como preparatorios por parte del colegio o universidad.

Es responsabilidad del estudiante entregar los comprobantes necesarios de los requisitos antes mencionados.

REQUISITOS PARA TRANSFERIRSE

Estudiantes que tengan planeado ingresar a una Universidad Estatal de California, Universidad de California, o colegios y universidades privadas deben de reunir los siguientes requisitos:

1. Terminar los cursos apropiados que requiere el colegio o universidad.
2. Terminar los requisitos de cursos preparatorios en su especialización.

Estos requisitos varían según las instituciones de estudios superiores. Se recomienda consultar el catálogo de la universidad a la cual piensan transferirse para poder planear sus clases de acuerdo a los requisitos de esa institución. Puede obtener más información en el Centro de Asesoramiento.

Las clases transferibles a las Universidades Estatales de California y a las Universidades de California están designadas en el catálogo con CSU y UC después de la descripción de el contenido de la clase. Se recomienda a todo estudiante consultar a un asesor sobre cuáles cursos reúnen los requisitos de sus objetivos educacionales.

Estudiantes que planeen transferirse a una Universidad Estatal de California pueden solicitar que el colegio certifique que han terminado sus clases de educación general. Estudiantes deben de terminar 39 unidades de educación general seleccionando clases en cinco áreas: Inglés y pensamiento analítico; el universo físico y sus formas de vida; arte, literatura, filosofía, y lenguas extranjeras; instituciones sociales, políticas y económicas; comprensión y autodesarrollo. Al certificar el colegio que un estudiante a terminado sus clases de educación general, al transferirse a una Universidad Estatal el estudiante no tiene que tomar más clases de educación general de nivel preparatorio.

Las clases específicas de Educación General del sistema de la Universidad Estatal de California (CSU) pueden ser obtenidas con un asesor académico.

Unidades Transferibles

Las Universidades Estatales y de la Universidad de California aceptan un máximo de 70 unidades de colegios comunitarios. Solo 70 unidades pueden ser usadas para satisfacer requisitos hacia el título de licenciatura. Varios colegios y universidades privadas también aceptan 70 unidades de clases de nivel preparatorio cursadas en colegios comunitarios. Ninguna de las universidades aceptan que clases de nivel preparatorio sean utilizadas para satisfacer requisitos de clases de nivel avanzado.

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

Estudiantes interesados en IGETC tendrán que consultar a un asesor académico para recibir más información.

CURRICULUM VOCACIONAL/ OCUPACIONAL (CIENCIAS APLICADAS)

El Colegio del Valle Imperial ha desarrollado programas de carreras que reflejan las oportunidades de empleo en nuestra región. Comités de apoyo proporcionan ayuda al colegio para poder asegurar que el estudiante reciba la mejor educación y oportunidades de empleo al completar su plan de estudio.

Es de suma importancia que el estudiante consulte a un asesor académico durante su primer semestre para preparar un programa de estudio que muestre una secuencia apropiada de cursos. La responsabilidad en la selección final de los cursos apropiados es del estudiante.

CERTIFICADOS

Certificados Ocupacionales son otorgados a estudiantes que han logrado un nivel de habilidad en una área vocacional específica. Programas de certificados se ofrecen en algunas áreas vocacionales para las cuáles el colegio también ofrece títulos. Para que un estudiante pueda recibir un certificado, el estudiante tiene que:

1. Terminar todas las clases requeridas para un certificado.
2. Lograr calificación de un promedio de "C" (2.0 GPA) en cada curso que se utilice.
3. Entregar una solicitud para recibir un certificado en la Oficina de Inscripción antes de la cuarta semana de cada semestre y la primera semana de la sesión de verano.

Estudiantes interesados en una lista de certificados pueden consultar a un asesor académico.

CURSOS DE INSTRUCCION

En la siguiente lista de cursos, el número de unidades se indica entre paréntesis después del número del curso.

Para hacer posible que se ofrezca un mayor número de clases para los estudiantes del Valle Imperial, muchos de los cursos en áreas especializadas se ofrecen en forma alterna. El estudiante debe considerar esto cuando hace planes de estudio a largo plazo.

Los números de las clases seguidos por una secuencia AB indican que la clase se puede tomar más de una vez, y se cubrirá el mismo material, para así obtener destreza en la materia. Los números de clase que tienen secuencia de una A o B con una descripción de curso diferente indican que nuevo material será presentado durante la clase.

Las descripciones de cursos seguidos por una anotación de (CSU, UC) indican que la clase es transferible a ese sistema universitario, o en algunos casos a los dos sistemas.

El estudiante deberá comunicarse con su asesor para determinar cuáles clases aplican a su carrera.

PREREQUISITO, COREQUISITO, CONSULTAS EN LA PREPARACION RECOMENDADA Y LIMITACIONES PARA INSCRIBIRSE

Para obtener información detallada sobre la poliza de prerequisites consulte con un asesor académico.

SESION DE VERANO

El calendario de la sesión de verano y requisitos de admisión se pueden encontrar en el boletín de Clases de Verano el cuál se publica durante el semestre de primavera.

CALIFORNIA ARTICULATION NUMBER (CAN)

California Articulation Number (CAN) identifica cursos transferibles, de bajo nivel, y de introducción (preparatorios) que se enseñan en colegios comunitarios en cada disciplina académica. El sistema CAN asegura que los cursos en cierto colegio sean aceptados en otro colegio que participa en el sistema CAN. Por ejemplo: CAN ECON 101 en un colegio será aceptado en otro colegio como CAN ECON 101.

Para obtener una lista de cursos designados como CAN consulte a un asesor académico.

COURSES OF INSTRUCTION

In the following list of courses, the credit value of each course in semester units is indicated by a number in parentheses after the course number.

To make it possible for a greater number of courses to be offered to the students of Imperial Valley, many courses in specialized fields are offered on alternate years only. The student should take this into consideration when making long-range program plans.

Course descriptions followed by the notation (CSU, UC) indicate that the course is transferable to the California State University system, to the University of California system, or both. A student should contact his/her counselor to determine which courses are applicable to his/her educational objective.

PREREQUISITE, COREQUISITE, ADVISORIES ON RECOMMENDED PREPARATION AND LIMITATIONS ON ENROLLMENT

The Imperial Community College District has adopted a policy in order to provide for the establishing, reviewing and challenging of prerequisites, corequisites, advisories on recommended preparation, and certain limitations on enrollment in a manner consistent with law and good practice. The board recognizes that, if these prerequisites, corequisites, advisories, and limitations are established unnecessarily or inappropriately, they constitute unjustifiable obstacles to student access and success. Therefore, the board adopts this policy and calls for caution and careful scrutiny in establishing prerequi-

sites, corequisites, and advisories. The board also recognizes that it is as important to have prerequisites in place where they are a vital factor in maintaining academic standards, as it is to avoid establishing prerequisites where they are not needed. For these reasons, the board has sought to establish a policy that fosters the appropriate balance between these two concerns. (See Board Resolution 10665 for the complete policy)

Definitions:

Prerequisite means a condition of enrollment that a student is **required** to meet in order to demonstrate current readiness for enrollment in a course or educational program. *Courses used to satisfy a prerequisite must be completed with a grade of "C" or better.*

Corequisite means a condition of enrollment consisting of a course that a student is **required** to simultaneously take in order to enroll in another course.

Advisory on Recommended Preparation means a condition of enrollment that a student is **advised, but not required**, to meet before or in conjunction with enrollment in a course or educational program.

Limitations on Enrollment means a condition of enrollment which may include the following:

- Auditions or tryouts for courses which include public performance and intercollegiate competition, such as a band, orchestra, theater, competitive speech, chorus, journalism, dance, and intercollegiate athletics.
- Demonstrations of skill or knowledge for enrollment in an honors course or an honors section of a course.
- The creation of blocks of 2 or more courses in which enrollment is limited in order to create a cohort of students.

Imperial Valley College does not establish prerequisites in communication or computational skills that apply to all courses across the curriculum. Basic skills prerequisites and corequisites are offered in sufficient numbers to accommodate students or the requirement is waived. Any prerequisite may be challenged by a student using the following process:

CHALLENGE PROCESS

Any student who does not meet the prerequisite or corequisite or who is not permitted to enroll in a class due to a limitation on enrollment, may file a student petition to challenge the requirements. The grounds for challenge as specified in Section 55210 (f) of Title 5 include the following:

- The prerequisite or corequisite has not been established in accordance with the district policy.
- The prerequisite or corequisite is in violation of Title 5.
- The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.
- The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite.
- The student will be subject to undue delay in attaining the goal of his or her educational plan because the prerequisite or corequisite has not been made reasonably available.

The student has the obligation to provide satisfactory evidence that the challenge should be upheld. Where facts essential to a determination of whether the student's challenge should be upheld are, or ought to be, in the college's own records, then the college has the obligation to produce that information.

Students who wish to challenge a prerequisite or corequisite or any limitations on enrollment should:

1. Submit a student petition which spells out the grounds for challenge along with any evidence in support of the challenge, to the appropriate Division Chairperson. The student shall be allowed to remain in class or, if the student is not enrolled in the class but space is available at the time the challenge is filed, the college shall reserve a seat for the student until the challenge is resolved.
2. The Division Chairperson will review the petition and resolve the challenge in no more than 5 working days. If the challenge is upheld, or the college fails to resolve the challenge within the 5 day period, the student will be allowed to remain in the course. If no space was available in the course when the challenge was filed, the student shall be permitted to enroll for the subsequent term.
3. If the challenge is denied by the Division Chairperson, the student may appeal that decision to the Admissions, Registration and Petitions Committee.
4. Upon resolution of the challenge, the Division Chairperson shall forward the student petition and all attachments to the Associate Dean of Admissions and Records for institutional approval and filing in the student's permanent record.

Unless specifically exempted by statute, every course, section or class, the average daily attendance of which is to be reported for state aid, wherever offered and maintained by Imperial Community College District, shall be fully open to enrollment and participation by any person who has been admitted to the college and who meets such prerequisites as may be established pursuant to Chapter II, Division 2, Part VI, Title 5 of the California Administrative Code commencing with Section 51820 (Board of Trustees Resolution No. 10665).

SUMMER SESSION

Summer session calendar and admission requirements may be found in the Summer Session Bulletin or Schedule of Classes which is published during the Spring Semester.

WINTER INTERSESSION

Winter Intersession calendar and admission requirements may be found in the Winter Intersession Bulletin or Schedule of Classes, which is published during the Fall Semester.

CALIFORNIA ARTICULATION NUMBER (CAN)

The California Articulation Number (CAN) identifies some of the transferable, lower division, introductory (preparatory) courses commonly taught within each academic discipline on California college campuses.

The system assures that CAN courses on one participating campus will be accepted "in lieu of" the comparable CAN course on another participating campus. For example: CAN ECON 2 on one campus will be accepted for CAN ECON 2 on another participating campus.

The following courses at Imperial Valley College have been designated as CAN courses:

<u>CAN COURSE</u>	<u>IVC COURSE</u>
CAN AG 14	AG 120
CAN AJ 2	AJ 100
CAN ANTH 2	ANTH 100
CAN ANTH 4	ANTH 102
CAN ART 2	ART 100
CAN ART 4	ART 102
CAN ART 6	ART 140
CAN ART 8	ART 120
CAN ART 10	ART 124
CAN ART 14	ART 110
CAN ART 16	ART 112
CAN ART SEQ A	ART 100 & 102
CAN BIOL 10	BIOL 204
CAN BIOL 12	BIOL 206
CAN BIOL 14	BIOL 220
CAN BIOL SEQ B	BIOL 204 & 206
CAN BUS 2	BUS 210
CAN BUS 4	BUS 220
CAN BUS 8	BUS 126
CAN BUS SEQ	BUS 210 & 220
CAN CHEM 2	CHEM 220
CAN CHEM 4	CHEM 202
CAN CHEM 6	CHEM 100
CAN CHEM 12	CHEM 208
CAN CHEM SEQ A	CHEM 200 & 202
CAN CSCI 4	MATH 130
CAN ECON 2	ECON 102
CAN ECON 4	ECON 101
CAN ENGL 2	ENGL 101
CAN ENGL 4	ENGL 102
CAN ENGL 6	ENGL 250
CAN ENGL 8	ENGL 224
CAN ENGL 10	ENGL 225
CAN ENGL SEQ A	ENGL 101 & 102
CAN ENGL SEQ B	ENGL 224 & 225
CAN FREN 2	FREN 100
CAN FREN 4	FREN 110
CAN FREN SEQ A	FREN 100 & 110
CAN GEOG 2	GEOG 100
CAN GEOG 4	GEOG 102
CAN GOVT 2	POLS 102
CAN HIST 2	HIST 110
CAN HIST 4	HIST 111
CAN HIST 8	HIST 120
CAN HIST 10	HIST 121
CAN HIST SEQ A	HIST 110 & 111
CAN HIST SEQ B	HIST 120 & 121
CAN MATH 4	MATH 110
CAN MATH 16	MATH 170
CAN MATH 18	MATH 190
CAN MATH 20	MATH 192
CAN MATH SEQ B	MATH 194
CAN MATH 22	MATH 192 & 194
CAN MATH SEQ C	MATH 210
CAN MATH 24	MATH 192 & 194 & 210
CAN MATH 26	MATH 220
CAN MATH 34	MATH 230
CAN PHIL 2	PHIL 100
CAN PHIL 4	PHIL 104
CAN PHIL 6	PHIL 106
CAN PHYS 2	PHYS 100
CAN PHYS 8	PHYS 200
CAN PHYS 12	PHYS 202
CAN PHYS 14	PHYS 204
CAN PHYS SEQ B	PHYS 200 & 202
CAN PSY 2	PSY 101
CAN PSY 10	PSY 200
CAN SOC 2	SOC 101
CAN SOC 4	SOC 102
CAN SPAN 2	SPAN 100
CAN SPAN 4	SPAN 110
CAN SPAN SEQ A	SPAN 100 & 110
CAN SPAN 8	SPAN 200
CAN SPAN 10	SPAN 210
CAN SPAN SEQ B	SPAN 200 & 210
CAN SPCH 4	SPCH 100
CAN SPCH 6	SPCH 180
CAN STAT 2	MATH 120

Courses of Instruction



NEW COURSE NUMBERING

COURSE NUMBERING

- 001-099** Non-Transferable/Non-Degree Applicable or
Non-Transferable/AA-AS Degree Applicable Only
- 100-199** Freshmen Level Courses*
- 200-299** Sophomore Level Courses*
- 800** Community Education (Non-Credit)
- 900** Community Education (Fee Based)

COMMON COURSES

Honors (297) Advanced academic experiences associated with general education courses. This course provides supplemental instruction to reinforce achievement of the learning objectives of a course in the same discipline under the supervision of the instructor of the designated course. Learning activities may employ a variety of self-paced multimedia learning systems, language labs, print and electronic resources, laboratory, or field research arrangements to assist the student in reaching specific learning objectives. Recommended for students in a subject area offered by the division or students requesting study in depth in a particular area. Limited offerings. Interdisciplinary conference, with readings, discussion, and reports. Maximum credit 2.0 units.

Special Topics These are course offerings designed in specific disciplines to test new curriculum before adopting it as part of an academic program. Maximum credit 3.0 units.

Independent Study (199/299) These courses are academic opportunities for students who are capable of independent work and demonstrate the need or desire for additional study, beyond the regular curriculum. These courses are not intended to replace existing courses in the discipline. In this course, students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals. Maximum credit 3.0 units.

*Courses numbered 100-299 are offered at the baccalaureate level. They meet requirements for Associate Degrees and are generally articulated for transfer with four year institutions to meet major, general education, breadth or elective credit requirements. Students should check with their counselors regarding transferability of courses to the California State University, the University of California, private/independent colleges, and out-of-state colleges and universities.

Disclaimer/Notification: IVC has changed its academic calendar to a 16-week semester. Lecture hours and laboratory hours reported in the current catalog are based on the 18-week semester previously used by the College. Because of this change, lab and lecture hours may not be accurate for all course listings. Exact information on lab and lecture hours per week may be obtained from the Schedule of Classes and/or requested from the Office of Instruction at (760) 355-6215.

ADMINISTRATION OF JUSTICE

AJ 080 (0.5 UNITS)
SECURITY GUARD (ARREST)
TERM HOURS: 9 LEC, 0 LAB

The purpose of this course is to assist the student in understanding the roles and responsibilities of a security guard. It is designed to satisfy the guidelines described by the California Department of Consumer Affairs "Power to Arrest Training Manual." (Nontransferable, AA/AS degree only)

AJ 100 (3 UNITS)
INTRODUCTION TO THE ADMINISTRATION OF JUSTICE
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better. The course will cover the philosophy of Administration of Justice in America and identify its various sub-systems. It will examine the roles and role expectations of criminal justice agents and their interrelationship in society. The concepts of crime causations, punishment and rehabilitation are introduced. This basic course provides a better understanding of the criminal justice system and orients the students to career opportunities. Ethics, education and training for professionalism in the system are discussed. (CSU, UC) (CAN AJ 2)

AJ 102 (3 UNITS)
CONCEPTS OF CRIMINAL LAW
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Completion of ENGL 101 and ENGL 111 with a grade of "C" or better.

The course covers the historical development of law and constitutional provisions; definitions and the classification of crime 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 are presented. Crimes against persons, property, government, and organized crime are discussed. (Same as CSI 102) (CSU, UC)

AJ 104 (3 UNITS)
LEGAL ASPECTS OF EVIDENCE
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: AJ 100; and, completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

Origin, development, and 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. (CSU)

AJ 106 (3 UNITS)
PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Completion on ENGL 100 and ENGL 089 with a grade of "C" or better.

An in-depth study of the role and responsibilities of each segment within the administration of the justice system; law enforcement; judicial; corrections. A past, present and future exposure to each sub-system procedure, from initial entry to final disposition, and the relationship each segment maintains with its system member. (CSU)

AJ 110 (3 UNITS)**POLICE COMMUNITY RELATIONS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

Through interaction and study, the student will become aware of the relationship and role expectations among the various agencies and the public. Emphasis will be placed upon professional image, and the development of positive relationships between members in the criminal justice system and the public. Concepts of community-oriented policing as they apply to administration of justice issues, future trends, and training will be discussed. (CSU, UC)

AJ 120 (3 UNITS)**PUBLIC SAFETY COMMUNICATIONS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 101 and ENGL 111 with a grade of "C" or better.

This is an introductory course dealing with all aspects of public safety communication. It will cover the techniques to effectively communicate facts, information, and ideas in a clear and logical manner for a variety of public safety systems reports, crime violations, incident reports, letters, memorandum, directives, and administrative reports. Emphasis on criminal justice terminology, use of English, and organization of information. Students will gain practical experience in note taking, interviewing, report writing, and presentation of testimony in courts. (Same as CSI 120) (CSU)

AJ 121 (3 UNITS)**POLICE FIELD OPERATIONS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

The development, function and techniques of patrol; observation skills; development, traffic and preliminary investigative duties, handling complaints and requests for service, public and community relations and basic crime prevention. The mechanics of field interviews, search and arrests, notetaking and police report essentials. Familiarization with basic police equipment and handling of community crime incidents. (CSU)

AJ 122 (3 UNITS)**CRIMINAL INVESTIGATION****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of a "C" or better.

Fundamentals of investigation; techniques or crime scene recording and search; collection and preservation of physical evidence; modus operandi processes; sources of information; interview and interrogation; follow-up and case preparation. (CSU)

AJ 123 (3 UNITS)**JUVENILE CONTROL****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

Techniques of handling juvenile offenders and victims, prevention and repression of delinquency, diagnosis and referral, organization of community resources, juvenile law and juvenile procedure. (CSU)

AJ 124 (3 UNITS)**CRIMINOLOGY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

This course explores the nature of crime, measurement and research of crime, the extent of crime, major theories of crime causation, criminal typologies, criminal justice system response to crime, and societal reaction to crime. (CSU)

AJ 141 (3.5 UNITS)**ARREST AND FIREARMS****TERM HOURS: 63 LEC, 0 LAB**

Prerequisites as required by P.O.S.T.: No felony or domestic violence convictions, able to successfully participate in physical requirements of class, U.S. Citizen or have filed for U.S. citizenship. Corequisite: Department of Justice fingerprint clearance.

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

Designed to satisfy training standards set forth by the Commission on Peace Officer Standards Training (P.O.S.T.) as required by Penal Code Section 832 for Peace Officers; includes laws of arrest, search and seizure, methods of arrest, discretionary decision making, and where applicable, use and care of firearms. Supply fee may be charged. (CSU)

AJ 142 (10 UNITS)**RESERVE OFFICER LEVEL III****TERM HOURS: 180 LEC, 0 LAB**

Prerequisites as required by P.O.S.T.: No felony or domestic violence convictions. Valid California driver license. Ability to successfully participate in physical requirements of course. U.S. citizen or have filed for U.S. citizenship.

Corequisite: Department of Justice fingerprint clearance.

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

Designed to satisfy the Reserve Officer Level III training standards as set forth by the Commission on Peace Officer Standards and Training (P.O.S.T.). Includes professionalism and ethics, laws of arrest, search and seizure, vehicle operations, report writing, First Aid/CPR, traffic control, arrest and control tactics and weaponry, use of force, custody, and use and care of firearms. Supply fee may be charged. Designed to prepare students to be hired by a law enforcement agency as a Reserve Officer Level III. (CSU)

AJ 144 (13.5 UNITS)**RESERVE OFFICER LEVEL II****TERM HOURS: 243 LEC, 0 LAB**

Prerequisites: Current 832 certificate as required by P.O.S.T., AJ 141 and AJ 143 as required by P.O.S.T., no felony or domestic violence convictions. Valid California driver's license. Ability to successfully participate in physical requirements of course.

Recommended Preparation: PE 100 or PE 101; completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

Designed to satisfy Reserve Officer Level II, Module B, training standards set forth by the Commission on Peace Officer Standards and Training (P.O.S.T.). Includes law, patrol techniques, arrest and control, use of force, investigative report writing, cultural diversity, firearms and chemical agents, presentation of evidence, etc. and required state exams. Supply fee may be charged. Designed to prepare student to be hired by a law enforcement agency as a Level II Reserve Officer. (CSU)

AJ 150 (0.5 UNITS)**ADVANCED OFFICERS COURSE****TERM HOURS: 18 LEC, 0 LAB**

Corequisite: Current employment as a law enforcement officer.

This course is designed to permit law enforcement personnel to be trained and/or study relevant topics within the field of Administration of Justice. (May be repeated for additional credit with new content.) (CSU)

AGRICULTURAL ENGINEERING TECH**AGET 075 (3 UNITS)****BASIC SHOP SKILLS****TERM HOURS: 54 LEC, 0 LAB**

This is a comprehensive course in tool usage, nomenclature, and terminology of tools and equipment for the beginning student in the technologies. The course is for the student who has not developed a background in industrial technology, as well as for the bilingual student who wants to improve his/her technical vocabulary. (Nontransferable, AA/AS degree only)

AGET 100 (3 UNITS)**SMALL GASOLINE ENGINES****TERM HOURS: 36 LEC, 36 LAB**

The history, design, construction, and mechanical function of the small gasoline engine, including tune-up and major repair of the electrical and mechanical systems. (CSU)

AGET 120 (4 UNITS)**POWER TRANSMISSION SYSTEMS****TERM HOURS: 54 LEC, 54 LAB**

Theory of operation and maintenance of power transmitting devices, such as transmissions, clutches, hydrostatic drives, differentials, and drive trains used in both wheel and track type equipment. (CSU)

AGRICULTURE**AG 060 (1 UNITS)****AGRICULTURE LITERACY****TERM HOURS: 18 LEC, 0 LAB**

This course will present a broad overview of agriculture. It will include agricultural terminology and practices from initial production of agricultural products through consumption. Worldwide, national, state, and local agricultural practices will be discussed. The goal is to familiarize students and members of the community who have no knowledge of agriculture with basic agriculture information that will help them in the workplace. (Nontransferable/nondegree applicable)

AG 080 (1 UNITS)**PESTICIDE SAFETY****TERM HOURS: 18 LEC, 0 LAB**

Pesticide safety training for employees who handle and use chemical pesticides. (Nontransferable, AA/AS degree only)

AG 110 (3 UNITS)**ENVIRONMENTAL SCIENCE****TERM HOURS: 54 LEC, 0 LAB**

This course is designed to provide students with an overview and understanding of the relationships between human populations and the natural environment. The class will focus on basic concepts of science and ecosystem theory, human impacts on the air, water, and land, environmental problems faced by the Imperial Valley that have regional and global consequences, and some of the proposed solutions. (CSU, UC)

AG 120 (3 UNITS)**SOIL SCIENCE****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: MATH 080 and CHEM 100.

Physical, chemical, and biological properties of soils as related to agriculture. Principles of soil-plant interrelations; development of the soil as a natural body, soil moisture, effect of management practices on soil properties, composition, and use of fertilizers. (CSU, UC) (CAN AG 14)

AG 130 (3 UNITS)**AGRICULTURAL ECONOMICS****TERM HOURS: 54 LEC, 0 LAB**

Introduction to the economic aspects of agricultural management. The role of agricultural resources in economic growth. Survey of trade, policy, and marketing activities of agriculture. (CSU, UC)

AG 132 (3 UNITS)**BUSINESS MANAGEMENT****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: BUS 124.

A study of management theories and processes as they apply in the contemporary business world. The course is based on the application of the four functions of management — planning, organizing, leading, and controlling in the effective achievement of organizational objectives. Management activities are practiced in organizational situations using case studies, simulations, and class projects. (CSU)

AG 134 (3 UNITS)**AGRICULTURAL BUSINESS ORGANIZATION****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: AG/BUS 132.

Study of farm technological advance, marketing, consumer demand, and other such factors as determinants of growth, types, and forms of agricultural business organization. Farm and farm-related businesses considered from standpoint of primary functions, services, and problems, including investments, mortgage and working capital requirements, credit and collections, business with banks, failures and reorganization. Emphasis on California farm-related industries. (CSU)

AG 136 (3 UNITS)**AGRICULTURAL SALES AND SERVICE MANAGEMENT****TERM HOURS: 54 LEC, 0 LAB**

Supervision of people who sell agricultural products and services. Selecting, training, directing, and evaluating personnel. Methods of payment, use of advertising, promotion, incentives, and service. (CSU)

AG 138 (3 UNITS)
COMPUTER APPLICATIONS IN AGRICULTURE
TERM HOURS: 36 LEC, 36 LAB

Recommended Preparation: CIS 101.

Introduces students to computerized technology relating to agriculture. Students will develop skills in: MS Office, particularly Excel; Geographic Information Systems (GIS), and how these apply to agriculture; the Internet, particularly market and scientific information. Specialized agriculture software: farm and herd management, financial, decision aiding will be presented through demonstration, student usage, or web access. (CSU)

AG 140 (4 UNITS)
PRINCIPLES OF PLANT SCIENCE
TERM HOURS: 54 LEC, 54 LAB

This course provides a working knowledge of the fundamental structures and processes of plants. Covers plant structures and physiology, and principles and practices of crop improvement, propagation, production, processing, storage, and marketing. Production, harvest, and utilization of principle crops grown in California and Imperial Valley will be included. Laboratory work required introducing techniques of research and exploration of plant growth. (CSU, UC)

AG 150 (3 UNITS)
ORNAMENTAL PLANT IDENTIFICATION AND MATERIALS
TERM HOURS: 54 LEC, 0 LAB

Identification, growth habits, culture and ornamental use of houseplants, vines, groundcovers, annuals, perennials, and small shrubs adapted to the climate of the southern valleys of California. (CSU)

AG 160 (3 UNITS)
FOOD AND FIBER IN A CHANGING WORLD
TERM HOURS: 54 LEC, 0 LAB

Relationship of agriculture and natural resources to society. Where do our food and fiber come from? How does agriculture affect the dynamics of our society? What are the issues and opportunities in agriculture now and in the future? (CSU)

AG 170 (3 UNITS)
ENTOMOLOGY
TERM HOURS: 36 LEC, 36 LAB

This course covers basic information on the classification, anatomy and physiology, ecology, and control of insects with emphasis on those of importance to agriculture. Collection and labeling of insects will be required. (CSU, UC)

AG 220 (3 UNITS)
IRRIGATION AND DRAINAGE
TERM HOURS: 36 LEC, 36 LAB

Recommended Preparation: AG 120.

This course covers the fundamental principles and practices of irrigation. Plant-soil-water relationships, soil water measurement, history of irrigation with emphasis on the Imperial Valley, water law, methods of irrigation and their relative efficiencies, measurement of water, irrigation structures, crop requirements, estimating water use by crops, problems and practices in soil reclamation, drainage systems, and drainage requirements for irrigated agriculture will be discussed. (CSU)

AG 230 (3 UNITS)
FERTILIZERS AND SOIL AMENDMENTS
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: AG 120. This course covers the nature of fertilizers and soil amendments, their properties, methods of application, and reaction upon soils and plants. The composition, value, and use of fertilizer materials and soil correctives will be discussed. Additionally, the methods employed in the manufacture, distribution, and application of fertilizers are described. (CSU)

AG 240 (4 UNITS)
FIELD AND CEREAL CROPS
TERM HOURS: 54 LEC, 54 LAB

Recommended Preparation: AG 120 and AG 140.

Principles and practices of field and cereal crops production and soil management, including study of distribution, adaptation, and utilization of the major field and cereal crops. Field laboratory work required. (CSU)

AG 250 (3 UNITS)
VEGETABLE CROPS
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: AG 120 and AG 140.

This course addresses the principles involved in vegetable crop production worldwide. Covering principle vegetable crops with emphasis on the scope, value, production, harvesting, packaging, and marketing of the major vegetable crops grown in California. (CSU)

AG 260 (3 UNITS)
PLANT PROTECTION AND INTEGRATED PEST
MANAGEMENT

TERM HOURS: 54 LEC

Identification of pests (arthropods, rodents, and plant diseases) and beneficial (arthropods and diseases) in the crop system. Methods of reducing damage to acceptable levels with biological, chemical, and cultural controls. Laws and safety requirements for using spray equipment and pesticides in California. (CSU)

AG 270 (3 UNITS)
WEEDS AND WEED CONTROL
TERM HOURS: 54 LEC, 0 LAB

This course covers the classification, life cycles, characteristics, and management of weeds with emphasis on common and noxious weeds of California. It looks at chemicals and equipment as well as cultural, mechanical, and biological control methods used in managing weeds on cultivated land, in irrigation ditches, on the range, and on wasteland. Poisonous weeds, their effects, and prevention are discussed. (CSU)

AIR CONDITIONING AND REFRIGRTN

ACR 101 (3 UNITS)
AIR CONDITIONING AND REFRIGERATION SYSTEMS
TERM HOURS: 36 LEC, 54 LAB

This is a course of study in heating, ventilation, air conditioning, and refrigeration trade. This course includes the study of the laws of thermodynamics, the refrigeration cycle, brazing of refrigerant lines, understanding the use of and maintenance of heating, ventilation, air conditioning, and refrigeration equipment, applicable safety practices, and the proper use of refrigerants. (CSU)

ACR 102 (3 UNITS)**RESIDENTIAL AIR CONDITIONING SYSTEMS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: Completion of ACR 101 and ACR 103 with a grade of "C" or better.

This course of study includes the installation of residential heating, ventilation, air conditioning and refrigeration systems. This course is comprised of the study of building and electrical codes, HVAC/R installation materials, brazing of line sets, installing split systems, installing heat pumps, installing gas packs, and applicable safety practices. (CSU)

ACR 103 (3 UNITS)**AIR CONDITIONING ELECTRICAL CIRCUITS AND CONTROLS****TERM HOURS: 36 LEC, 54 LAB**

Recommended preparation: ACR 101.

This is a course of study in electrical circuits and controls used in the heating, ventilation, air conditioning, and refrigeration industry. This course is comprised of the study of Ohms Law, electrical meters and test equipment, wiring materials, wiring diagrams and schematics, electrical components, installation of controls, layout of electrical circuits, and safety practices. (CSU)

ACR 104 (3 UNITS)**AIR CONDITIONING HEATING SYSTEMS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: Completion of ACR 101, ACR 102 and ACR 103 with grades of "C" or better.

This course of study includes heating systems used in the heating, ventilation, air conditioning and refrigeration industry. This course is comprised of the study of natural gas, fuel oil, propane, and electric burner assemblies and ignition systems, and heat exchangers, venting, control circuits, electric coils, installation practices, applicable building codes, and safety procedures. (CSU)

ACR 105 (2 UNITS)**HEAT LOAD CALCULATION AND MEASUREMENTS****TERM HOURS: 36 LEC, 0 LAB**

Recommended Preparation: Completion of ACR 101, ACR 102, ACR 103, and ACR 104 with grades of "C" or better.

This course of study includes theories and factors that affect heating and cooling loads, on residential and light commercial buildings. Calculations and measurement techniques of proper capacity and unit size will be studied and applied to residential and light commercial buildings. (CSU)

ACR 106 (3 UNITS)**AIR CONDITIONING VENTILATION DUCT SYSTEMS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: Completion of ACR 105 with a grade of "C" or better.

This is a course of study covering duct systems used in the heating, ventilation, air conditioning, and refrigeration industry. This course is comprised of the study of designing duct systems, duct materials, layout procedures, shop and hand tools, sheet metal ducts and components, duct board and flex duct components, and safety practices. (CSU)

ALCOHOL AND DRUG STUDIES**ADS 101 (3 UNITS)****ALCOHOLISM: INTERVENTION, TREATMENT, AND RECOVERY****TERM HOURS: 54 LEC, 0 LAB**

This course will serve as an introduction to assessment and treatment approaches to alcoholism and drug abuse. Alcoholism will be studied in its social and clinical context. Attention will be given to the basic theoretical approaches to the disease. This course will examine the various components of intervention, treatment, recovery, and resources. (CSU)

ADS 110 (3 UNITS)**PHYSIOLOGICAL EFFECTS OF ALCOHOL AND DRUGS****TERM HOURS: 54 LEC, 0 LAB**

The course is designed to provide the student with information on the processing systems of the body and how they react to alcohol and drugs. This course will seek to explain where and how drugs act and why. The course will bring about an understanding of how drugs influence consciousness, mood and feeling. It will enable students to understand that both the internal and external environments have important effects on the well-being of the individual. (CSU)

ADS 120 (3 UNITS)**INTRODUCTION TO COUNSELING****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: PSY 101 and SOC 101.

A study of the theory, process, and practice of interviewing and counseling in community service and other counseling situations. The course is designed to assist the student to gain knowledge and develop skills in order to help a client or interviewee in counseling situations. Theories of counseling and basic helping skills will be presented, demonstrated, and practiced. (Same as PSY 120) (CSU)

ADS 130 (3 UNITS)**GROUP LEADERSHIP AND GROUP PROCESS****TERM HOURS: 54 LEC, 0 LAB**

This course will introduce the student to group theory and process, and how groups affect the whole social scene. It will examine membership in and leadership of various kinds of groups, emphasizing group process. Consideration will be given to goals and strategies of social change and the necessity for social change in relation to personal and social values. The factors involved in problems of communications, effective emotional responses and personal growth also will be highlighted, emphasizing the group process as a means of changing behavior. (CSU)

ADS 150 (3 UNITS)**SOCIOLOGY OF MINORITY GROUPS****TERM HOURS: 54 LEC, 0 LAB**

This course includes the study of the theories of prejudice and discrimination of different groups within American society. It will cover an historical analysis of the problems of these groups and typical areas will include racism, sexism, ageism, and ethnic and religious discriminations. (CSU, UC)

ADS 176 (1 UNITS)**SEX AND GAMBLING ADDICTION****TERM HOURS: 18 LEC, 0 LAB**

This one unit course is an introduction to addictive, non-substance related disorders. Issues addressed will include sex and love addiction, gambling addiction, and compulsive spending. It will provide training in the application of appropriate therapeutic models and interventions. (CSU)

ADS 177 (1 UNITS)**ANGER MANAGEMENT****TERM HOURS: 18 LEC, 0 LAB**

An introduction to the theories and interventions for the management of anger and violence. This one unit class includes intimate abuse and child abuse with special emphasis on brief intervention and emotive behavioral therapies. (CSU)

ADS 178 (1 UNITS)**LIFE SKILLS****TERM HOURS: 18 LEC, 0 LAB**

An in-depth overview of the skills to better living for those in recovery from abuse and addiction. This course compliments the curriculum for counseling students and is an enhancement for professionals. (CSU)

ADS 200 (3 UNITS)**FAMILY COUNSELING APPROACHES TO ALCOHOL AND DRUG ABUSE****TERM HOURS: 54 LEC, 0 LAB**

A course designed to present basic ideas and theories about family dynamics, particularly as they apply to the family of the substance abuser, and to explore strategies for counseling the client's family. The approach is highly experiential in format and students will participate in exercises frequently to incorporate new skills and theory. (CSU)

ADS 210 (3 UNITS)**CRISIS INTERVENTION AND REFERRAL TECHNIQUES****TERM HOURS: 54 LEC, 0 LAB**

Techniques used for brief therapy crisis intervention, intake interviewing and referral will be studied and practiced. Special attention will be given to the process of intervention, admitting, and recording of information as it pertains to alcohol and drug abuse clients. Through an experiential format, participants will learn and practice skills in brief therapy, different levels of client communication and intake interviewing. (CSU)

ADS 220 (3 UNITS)**PRACTICUM****TERM HOURS: 18 LEC, 108 LAB**

Recommend Preparation: ADS/PSY 120, PSY 101 and SOC 101. A course designed to provide opportunity for the student in Psychology, Human Relations, or Alcohol and Drug Studies to gain experience under supervised conditions such as those involving mental health, child development, youth corrections, welfare, homes for mental health, child development, youth corrections, welfare, homes for the neglected, homes for the aged, youth recreation, rehabilitation centers for people with physical limitations, and educational settings. Students will be supervised by qualified instructional staff and professionally trained personnel. (CSU)

ADS 221 (3 UNITS)**PRACTICUM****TERM HOURS: 18 LEC, 108 LAB**

Prerequisite: ADS/PSY 220.

A continuation of ADS/PSY 220 with an emphasis in gaining further experience in the same institution or agency or a different institution or agency. (Same as PSY 221) (CSU)

ADS 230 (3 UNITS)**ALCOHOL AND DRUG PREVENTION AND EDUCATION****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ADS 101 and ADS 110.

This course will review the history, theories, models and state-of-the-art approaches to the prevention field. It will provide experiential learning which will enable students to examine and explore their own values and behaviors as they relate to the use and abuse of alcohol and other drugs. Prevention programs and activities appropriate for the individual, community, campus, parent/family and work site will be reviewed. Strategies such as public policies, media information-dissemination, ethnic and cultural specific approaches will be presented and assessed. (CSU)

ALLIED HEALTH PROFESSIONS**AHP 060 (6 UNITS)****HEALTH ASSISTANT****TERM HOURS: 54 LEC, 162 LAB**

Recommended Preparation: ENGL 088.

This course will prepare the health assistant for certification by the State of California as an entry-level worker on a health care team in a long-term care facility. The course is structured to provide theory and practical application of skills needed to function as a nurse assistant. (Nontransferable, AA/AS degree only)

AHP 062 (1.5 UNITS)**HOME HEALTH AIDE****TERM HOURS: 18 LEC, 27 LAB**

Prerequisite: Certification as a Health Assistant required.

This course will prepare the student for certification by the State of California as a home health aide. The curriculum is structured to provide the theory and practice skills needed to care for individuals in the home environment. (Nontransferable. AA/AS degree only.)

AHP 070 (4.5 UNITS)**ADMINISTRATIVE MEDICAL ASSISTANT I****TERM HOURS: 81 LEC, 0 LAB**

Prerequisite: AHP 100.

Course of study designed to prepare for entry-level positions in clinics and doctors' offices. Medical-legal aspects, history of medicine, interpersonal communications, confidentiality, reception environment, appointment control, records management, professionalism, and telephone communications are emphasized. (Nontransferable, AA/AS degree only)

AHP 072 (4.5 UNITS)
ADMINISTRATIVE MEDICAL ASSISTANT II
TERM HOURS: 81 LEC, 0 LAB

Prerequisite: AHP 070.

This course is designed to prepare students to operate office management equipment, prepare the patient's medical records, understand medical care expenses, credit arrangements, bookkeeping procedures, collection on overdue accounts, health insurance, billing, banking, and general management. (Nontransferable, AA/AS degree only.)

AHP 074 (2 UNITS)
CLINICAL EXTERNSHIP I
TERM HOURS: 0 LEC, 108 LAB

Prerequisite: AHP 072.

Course is designed to enable the student to put all didactic information and skills together in the work setting of the "front office" of a clinic or doctor's office. The medical assistant student is placed at a medical office, clinic, or HMO where he/she will gain hands-on experience performing "front office" medical assistant duties. Students are required to be available days to attend the externship. The externship hours are similar to the schedules normally available in industry. (Nontransferable, AA/AS degree only)

AHP 080 (3.5 UNITS)
SPECIMEN COLLECTION AND LABORATORY PROCEDURES
TERM HOURS: 54 LEC, 27 LAB

Prerequisite: AHP 072.

This course is designed to prepare students to comply with OSHA regulations, lab safety, bio-hazard awareness, usage of the microscope and other laboratory equipment, obtainment of capillary and venous blood samples, bacterial smears and cultures, urine, sputum, and stool specimens. (Nontransferable, AA/AS degree only)

AHP 082 (3.5 UNITS)
EXAM ROOM PROCEDURES
TERM HOURS: 54 LEC, 27 LAB

Prerequisite: AHP 080.

This course is designed to prepare students in preparing patients for various types of exams, procedures of the eyes and ears, positioning and draping, assisting physician, language of charting by use of abbreviations and symbols, instrument identification and usage, aseptic technique, diagnostic tests and procedures, EKG, minor surgical procedures, medical emergencies, CPR health care provider level. (Nontransferable, AA/AS degree only)

AHP 084 (3.5 UNITS)
PHARMACOLOGY AND ADMINISTRATION OF MEDICATION
TERM HOURS: 54 LEC, 27 LAB

Prerequisite: AHP 082.

This course is designed to prepare students to understand medical-legal/ethical aspects, drug classifications, medical math, usage of PDR, abbreviations and symbols, writing prescriptions, charting, pharmacy calls, storing medications, methods of administering medications: orally, sublingual, topically, vaginally, and rectally. Conversion of orders to milligrams for injection, handling of and safety in using the syringe and needle, choosing correct size, identifying correct site for injection, injection technique of intradermal, subcutaneous and intramuscular (deep and Z-track), anaphylactic reaction, considerations of drug action and interactions. (Nontransferable, AA/AS degree only)

AHP 086 (2 UNITS)
CLINICAL EXTERNSHIP II
TERM HOURS: 0 LEC, 108 LAB

Prerequisite: AHP 084.

Course is designed to enable the student to put all didactic information and skills together in the work setting of a clinic or doctor's office. The medical assistant student is placed at a medical office or clinic where he/she will gain hands-on experience performing medical assistant duties. The student is required to be available days to attend the externship. The externship hours are similar to the schedules normally available in industry. (Nontransferable, AA/AS degree only)

AHP 090 (2 UNITS)
INTRODUCTION TO HEALTH SCIENCE
TERM HOURS: 36 LEC, 0 LAB

This course is an introduction to health science professions. The course will focus on individual programs as well as how those professions collaborate and interrelate. Introduction to health care, professionalism, team building/collaboration, medical terminology, and ethical/legal issues will be explored. New and emerging professions and issues will be discussed. Major health problems will be explored and the impact of lifestyle, total environment, social and political issues analyzed. (Nontransferable, AA/AS degree only)

AHP 100 (3 UNITS)
MEDICAL TERMINOLOGY
TERM HOURS: 54 LEC, 0 LAB

Course of study is designed to develop competency in the accurate use of medical vocabulary to include anatomy, physiology, diseases, and descriptive terms to prepare students for entry-level positions as medical transcribers, clinical editors, health insurance processors, patient administration specialists. (CSU)

AHP 102 (3 UNITS)
MEDICAL INSURANCE
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: AHP 100. Ability to type 40 words per minute.

Health care facilities are dependent upon third party payers for financial solvency. Medical billing guidelines are rapidly changing as are complex issues which health care facilities must concern themselves with daily. The purpose of this course is to provide students with the practice and skill necessary so that billing office personnel can promptly and accurately submit insurance claims to a variety of carriers. (CSU)

AHP 108 (2 UNITS)
INTRODUCTION TO PHARMACY TECHNOLOGY
TERM HOURS: 36 LEC, 0 LAB

Recommended Preparation: Medical Terminology (AHP 100), Anatomy and Physiology for Health Occupations (BIOL 090), Beginning Algebra (MATH 080), and Introduction to Information Systems (CIS 101).

This course is designed to provide an introduction and overview of the Pharmacy Technician program at Imperial Valley College. A review of the role of the Pharmacy Technician and various career opportunities are explored. An overview of pharmaceutical dosage forms, drug development processes, and drug classifications are introduced. Ethical and legal aspects of pharmacy practice are discussed. (CSU)

AHP 120 (3 UNITS)**PHARMACY TECHNICIAN BODY SYSTEMS I****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Medical Terminology (AHP 100), Anatomy and Physiology for Health Occupations (BIOL 90), Beginning Algebra (MATH 080), and Introduction to Information Systems (CIS 101).

This course explores Anatomy, Physiology, Pathology and related pharmacology of the respiratory, cardiovascular, renal, integumentary, reproductive and immune systems. Emphasis will be basic terminology, including the accurate use of medical vocabulary and descriptive terms. The classification and indications for selective generic and trade name drugs for selective drugs will be explored with emphasis on the four body systems explored in this course. (CSU)

AHP 125 (3 UNITS)**PHARMACOLOGY TECHNICIAN BODY SYSTEMS II****TERM HOURS: 54 LEC, 0 LAB**

This course explores the Anatomy, Physiology, Pathology and related pharmacology of the endocrine, gastrointestinal, hematologic, nervous, musculoskeletal and eyes, ears, nose and throat systems. Emphasis will be basic terminology, including the accurate use of medical vocabulary and descriptive terms. The classification and indications for selective generic and trade name drugs will be explored with emphasis on the body systems explored in this course. (CSU)

AHP 130 (3 UNITS)**CALCULATION AND PHARMACOLOGY FOR PHARMACY TECHNICIANS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Beginning Algebra (MATH 080). This course is designed to prepare students to understand calculations related to drug dosage, measurements of strength and preparation of safe medication administration. Emphasis is placed on unit-cancellation for solving pharmacy situation problems. Principles of Pharmacology are explored with emphasis on the classification, indication, interaction, and common side effects of major drug classes. (CSU)

AHP 140 (5 UNITS)**PHARMACY TECHNICIAN OPERATIONS****TERM HOURS: 63 LEC, 27 LAB**

This course is designed to prepare the student for the technical aspects of drug distribution for ambulatory, inpatient, extended care, and ambulatory care setting. The course includes a review of Federal, State, and/or practice site regulations, codes of ethics, and standards pertaining to the practice of pharmacy. Practice site policies and procedures regarding prescriptions and medication orders will be explored. Techniques, equipment and supplies for drug administration will be discussed as well as the mandatory maintenance and screening of equipments. Packaging requirements will be reviewed. Applications of aseptic techniques and use of the laminar flow hood in the preparation of sterile products is demonstrated. Pharmaceutical industry procedures for obtaining pharmaceuticals, purchasing policies, procedures and practice will be discussed. The Pharmacy Technician's role in the administration and management of pharmacy practice will be explored. (CSU)

AMERICAN SIGN LANGUAGE**AMSL 100 (4 UNITS)****AMERICAN SIGN LANGUAGE 1****TERM HOURS: 54 LEC, 36 LAB**

An introduction to American Sign Language and fingerspelling. The course will focus on conversational skills, grammar and vocabulary as it is used in the Deaf community. Deaf culture will be examined. (CSU, UC)

AMSL 102 (4 UNITS)**AMERICAN SIGN LANGUAGE 2****TERM HOURS: 54 LEC, 36 LAB**

Recommended Preparation: AMSL 100 with a grade of "C" or higher. This course is a continuation of American Sign Language 1. Receptive and expressive skills will be further developed through vocabulary enrichment, grammar, practice and interactive conversational exercises. Deaf Culture norms and traditions will be studied in this class. (CSU, UC)

AMSL 104 (3 UNITS)**FINGERSPELLING AND NUMBERS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: AMSL 100.

Introduction to the American manual alphabet (fingerspelling), including numbers, loan signs, acronyms, and abbreviations commonly used in the Deaf community. Extensive drills and practice in both expressive and receptive skills. (CSU)

AMSL 110 (3 UNITS)**INTRODUCTION TO DEAF CULTURE****TERM HOURS: 54 LEC, 0 LAB**

Introduction to Deaf Culture examines the experience of a minority culture—its common past, present debates, and promise for the future. Deaf cultural values, characteristics and dynamics will be discussed as well as issues related to minority dynamics. Organizations and individual perceptions of self in relation to group identity, along with political views as examined through articles, books, and videotapes. (CSU, UC)

AMSL 112 (3 UNITS)**INTERPRETING AS A PROFESSION****TERM HOURS: 54 LEC, 0 LAB**

Recommended preparation: AMSL 100.

This course provides a historical framework for the principles, roles, responsibilities, and standard practices of the interpreting profession. Instruction on national testing standards, preparation for certification, and the necessity of ethics as outlined in the Interpreting Code of Ethics. (CSU)

AMSL 200 (3 UNITS)**AMERICAN SIGN LANGUAGE 3****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: AMSL 102.

Continues development of American Sign Language conversational skills. Techniques of facial expression, body movement, and specialization as it relates to American Sign Language and Deaf Culture will be studied. (CSU, UC)

AMSL 202 (3 UNITS)
AMERICAN SIGN LANGUAGE 4
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: AMSL 200.

The course is a continuation of the American Sign Language skills and fluency developed in AMSL 200. The course increases or strengthens students' expressive and receptive vocabulary competency; however, the major focus of the course continues to be on the expansion of students' skills in the idiomatic usage of conversational ASL, awareness of ASL grammar, usage and syntax, and facility in expressive sign language at the intermediate level. The students will expand their knowledge and understanding of Deaf Culture. (CSU, UC)

AMSL 204 (3 UNITS)
AMERICAN SIGN LANGUAGE 5
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: AMSL 202.

AMSL 204 continues, at the intermediate level, the development of the American Sign Language proficiency students acquired in AMSL 202. Students continue to expand their awareness of ASL conventions, grammar, and vocabulary, including a continued review of topical signs and idioms. Students develop a greater competency in their receptive understanding of extended ASL discourse and in their expression of extended ideas, concepts and stories in ASL. Their expressive competency in discussion of ideas includes an expression of their understanding of Deaf culture. Students continue the growth of their technical awareness of Deaf culture and ASL linguistics. (CSU, UC)

AMSL 210 (3 UNITS)
INTERPRETING AMERICAN SIGN LANGUAGE 1
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: AMSL 204.

AMSL 210 focuses students' sign language facility on the development of English to ASL interpreting skills. The primary focus of the training is on interpreting in educational and consumer settings, along with continued development of idiomatic sign skills. Students are presented and are asked to discuss in the target language the primary elements of the code of ethics. Students continue the intense review of Deaf culture and ASL linguistics started in AMSL 204. (CSU)

AMSL 212 (3 UNITS)
INTERPRETING AMERICAN SIGN LANGUAGE 2
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: AMSL 210.

AMSL 212 focuses students' sign language facility on the development of English to AMSL interpreting skills. The primary focus of the training is on interpreting in medical, legal, mental health and other specialized settings, along with continued development of related idiomatic and vocabulary sign skills. Students are presented and are asked to discuss in the target language the case studies related to the interpreter code of ethics. (CSU)

ANTHROPOLOGY

ANTH 100 (3 UNITS)
PHYSICAL ANTHROPOLOGY
TERM HOURS: 54 LEC, 0 LAB

The process and cause of human evolution; mankind's place in nature and the study of primates; the biological variability of living peoples and their genetic background. (CSU, UC) (CAN ANTH 2)

ANTH 102 (3 UNITS)
CULTURAL ANTHROPOLOGY
TERM HOURS: 54 LEC, 0 LAB

A study of culture and its relationships to biology and to natural environment. Stresses the origin and evolution of culture, and the part that culture assumed in human biological maintenance. Examines types of social organizations and economic systems, religions and arts. (CSU, UC) (CAN ANTH 4)

ANTH 104 (3 UNITS)
CALIFORNIA INDIANS
TERM HOURS: 54 LEC, 0 LAB

The geography of California; tribal and linguistic regions; Native economy and diverse economic areas; Sacramento and San Joaquin Valleys; the Delta; transverse ranges; foothill country; Coast Range, Peninsular Ranges, and Sierra Nevada; the deserts. Influence of environment on cultural developments; influences of Western civilization on Native life. (CSU, UC)

ANTH 106 (3 UNITS)
INDIANS OF NORTH AMERICA
TERM HOURS: 54 LEC, 0 LAB

Early migration across Beringia to the New World; demography and ecology of the Amerindian cultures in Alaska, Canada and the United States. Effect of European contact; reactionary movements today. (CSU, UC)

ANTH 108 (3 UNITS)
INDIANS OF THE SOUTHWEST
TERM HOURS: 54 LEC, 0 LAB

Geography and ecology of the Southwest; Early man migrations; Desert culture; growing influence of Mesoamerica; development of Anasazi, Hohokam and Mogollon cultures. Classic civilizations and engineering feats. Decline and the origins of Zuni, Hopi, Navajo, and Apache cultures. (CSU, UC)

ANTH 110 (3 UNITS)
INTRODUCTION TO ARCHAEOLOGICAL SITE SURVEYING
TERM HOURS: 36 LEC, 90 LAB

Historical development of archaeology and the importance of site surveying; archaeological theory - Middle Range Theory; methods in site surveying; types of sites; laboratory preparation; use and care of field equipment. (CSU)

ANTH 112 (3 UNITS)**INTRODUCTION TO ARCHAEOLOGICAL EXCAVATIONS****TERM HOURS: 36 LEC, 90 LAB**

Recommended Preparation: ANTH 110 and ANTH 210.

Determine a site to be excavated; laws pertaining to excavations; laying out a site with alidade and rod; testing; pit versus trench excavations; stratigraphy; record keeping; screening and collecting; photography; preparation of laboratory and museum materials; pollen, soils, and C 14 tests. (CSU)

ANTH 210 (3 UNITS)**ADVANCED ARCHAEOLOGICAL SURVEY****TERM HOURS: 36 LEC, 90 LAB**

Recommended Preparation: ANTH 110.

Conduct independent surveys, or lead small survey crew; devise research designs; write reports from field notes, maps, photographs and prior records; conduct record and literature searches and catalogue specimens. (CSU)

ANTH 212 (3 UNITS)**ADVANCED ARCHAEOLOGICAL EXCAVATIONS****TERM HOURS: 36 LEC, 90 LAB**

Recommended Preparation: ANTH 112.

Design a field excavation project; select proper equipment; organize a field crew. Conduct record and literature searches; micromapping the project area; pit or trench technique; conduct the dig; screening, selecting, and bagging artifacts and natural samples. Laboratory analysis and curation; photography; dating; report writing are included. (CSU)

ART**ART 100 (3 UNITS)****HISTORY AND APPRECIATION OF ART I****TERM HOURS: 54 LEC, 0 LAB**

A survey of the Visual Arts from the Prehistoric period to the Renaissance, with emphasis on painting, sculpture and architecture. (CSU, UC) (CAN ART 2) (CAN ART SEQ A = ART 100 and ART 102)

ART 102 (3 UNITS)**HISTORY AND APPRECIATION OF ART II****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ART 100.

A continuation of ART 100, extending from the Renaissance to Contemporary times. May be taken before or concurrently with ART 100. (CSU, UC) (CAN ART 4) (CAN ART SEQ A = ART 100 and ART 102)

ART 104 (3 UNITS)**HISTORY AND APPRECIATION OF MODERN ART****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ART 102.

A broad analytical survey of modern art with a focus on painting, sculpture and architecture. The course will emphasize the examination and comparison of art styles of the twentieth century. (CSU, UC)

ART 106 (3 UNITS)**WOMEN ARTISTS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ART 100 or ART 102.

A survey of the great women artists of history from the ancient times through the twentieth century. Some of the artists to be discussed include: Elizabetta Sirani, Artemesia Gentileschi, Judith Leyster, Elizabeth Vigee-Lebrun, Mary Cassatt, Berthe Morisot, Camille Claudel, Kathe Kollwitz, Frida Kahlo, Georgia O'Keeffe, Helen Frankenthaler. The course will also address the special issues and problems concerning the study of women artists, past and present. (CSU, UC)

ART 110 (3 UNITS)**DESIGN****TERM HOURS: 36 LEC, 54 LAB**

Fundamentals of design and composition; theory of color. Includes organization and utilization of basic elements through design problems. Additional materials fee applies: \$15.00. (CSU, UC) (CAN ART 14)

ART 112 (3 UNITS)**DESIGN****TERM HOURS: 36 LEC, 54 LAB**

Intermediate studies of elements and principles of art with emphasis on three-dimensional design theory. Additional materials fee applies: \$15.00. (CSU, UC) (CAN ART 16)

ART 120 (3 UNITS)**DRAWING****TERM HOURS: 36 LEC, 72 LAB**

A basic course in drawing involving analysis of line, form, tone, texture and color as essential media of expression. Additional materials fee applies: \$15.00. (CSU, UC) (CAN ART 8)

ART 122 (3 UNITS)**DRAWING****TERM HOURS: 36 LEC, 72 LAB**

A continuation of Art 120. Additional materials fee applies: \$15.00. (CSU, UC)

ART 124 (3 UNITS)**PAINTING****TERM HOURS: 36 LEC, 72 LAB**

A continuation of the development of composition and the various techniques employed in drawing and painting. Includes figure drawing, landscape, and still-life. Painting covers styles of painting from the Neo-classic to the present day. Additional materials fee applies: \$15.00. (CSU, UC) (CAN ART 10)

ART 126 (3 UNITS)**PAINTING****TERM HOURS: 36 LEC, 72 LAB**

A continuation of Art 124. Additional materials fee applies: \$15.00. (CSU, UC)

ART 128 (3 UNITS)**WATERCOLOR PAINTING****TERM HOURS: 36 LEC, 72 LAB**

The study of watercolor painting with emphasis upon color, composition and pictorial expression. Exploration of various techniques employing the medium of watercolor. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU, UC)

ART 130 (3 UNITS)**LIFE DRAWING****TERM HOURS: 18 LEC, 90 LAB**

Many types of drawing and painting techniques are used to further the student's skill and development of visualizing by drawing from the human figure. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU, UC)

ART 134 (1 UNITS)**WEB PUBLISHING WITH DREAMWEAVER I****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: CIS 100 and/or CIS 120.

Emphasis on planning, designing and building professional quality Web pages. Introduction to creating basic Web pages and Web sites including text information and selection, use of tables, images and sounds to be placed into the Web site. Covers core objectives for industry certification. (Same as CIS 134) (CSU)

ART 135 (1 UNITS)**WEB PUBLISHING WITH DREAMWEAVER II****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 134.

A continuation of ART/CIS 134. Emphasis on designing and building professional quality Web pages and sites taking into account customers' needs. Advanced features of Web pages and Web sites including text formation, use of Cascading Style Sheets, use of color and color combinations, advanced use of tables, layers and placement of sounds and videos on Web pages. Development and use of rollovers, behaviors and automating repetitive tasks. Covers core objectives for industry certification. (Same as CIS 135) (CSU)

ART 136 (1 UNITS)**WEB PUBLISHING WITH DREAMWEAVER III****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 135.

A continuation of ART/CIS 135. Emphasis on designing and building professional quality Web pages and sites. Advanced Cascading Style Sheets (CSS). Creating Forms for visitor surveys, guestbooks, online shopping sites and other type of data collection. Basics of Scripts and Scripting languages such as JavaScript. Skills for managing your Web sites. Covers core objectives for industry certification. (Same as ART 136) (CSU)

ART 140 (3 UNITS)**CERAMICS****TERM HOURS: 36 LEC, 72 LAB**

An introduction to ceramics; basic methods of forming, decorating, glazing and firing. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU, UC) (CAN ART 6)

ART 146 (1 UNITS)**ADOBE PHOTOSHOP I****TERM HOURS: 18 LEC, 0 LAB**

Recommended preparation: CIS 100 and/or CIS 120.

A beginning course in Adobe Photoshop that includes an introduction to the basic working environment; basic photo corrections; retouching and repairing; working with selections; layer basics; and masks and channels. (Same as CIS 146) (CSU)

ART 147 (1 UNITS)**ADOBE PHOTOSHOP II****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 146.

A continuation of ART/CIS 146. The course includes correcting and enhancing digital photographs; advanced layer techniques; advanced compositing; and web publishing techniques. (Same as CIS 147) (CSU)

ART 148 (1 UNITS)**ADOBE PHOTOSHOP III****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 147.

A continuation of ART/CIS 147. The student will create an integrated project that will simulate a real-world graphic design job, drawing on the skills learned in ART/CIS 146 and ART/CIS 147, including correcting, retouching, repairing, and enhancing photos; working with selections, layers, masks and channels; compositing; and web publishing techniques. (Same as CIS 148) (CSU)

ART 150 (3 UNITS)**SCULPTURE****TERM HOURS: 36 LEC, 72 LAB**

An introduction to materials, methods, and techniques with an emphasis on development of ideas and personal expression in three dimensions. Materials include clay, plasters, cement, woods, plastic and metal. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU, UC)

ART 152 (1 UNITS)**CAMTASIA STUDIO****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: CIS 100 and/or CIS 120.

In the course the student will learn to create compelling interactive video tutorials, training, software demos and presentations. The student will learn to use full-motion video to record computer screen actions, webcam video and voice to produce professional-quality video presentations that may be distributed on the Internet, burn on CD-ROM or DVD-ROM and deliver in many popular file formats. (Same as CIS 152) (CSU)

ART 160 (3 UNITS)**GRAPHIC DESIGN****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: ART 110 and ART 120.

This is an introductory class in graphic communication. The emphasis is on communicating ideas visually through the use of traditional graphic design means (thumbnail sketches, comprehensive layouts, typography and presentation skills). Students address problems of visual form and organization and visual constructions which convey information. Instruction will incorporate the current hardware and software currently utilized in the graphic design industry, primarily the Adobe Creative Suite. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU)

ART 165 (3 UNITS)**DESIGN FOR THE WEB****TERM HOURS: 36 LEC, 54 LAB**

This course covers the process of designing, publishing and publishing web sites. Students communicate with clients, create detailed storyboards, set production schedules, design interfaces, develop content, and gain understanding of the web design job market. Significant emphasis on designing attractive, yet highly functional web sites. This course is project drive; students learn by redesigning a pre-existing web site or creating a new one. (CSU)

ART 170 (3 UNITS)**PHOTOGRAPHY - BEGINNING****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: ART 110.

This course is an introduction to history, art, craft, and scope of black and white photography. Emphasis will be on the choice, types, uses of various cameras and lenses (with special emphasis on the 35mm format), camera work and handling, composition, and black and white darkroom procedures. Adjustable (manual) 35 mm cameras or equivalent will be used. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU)

ART 220 (3 UNITS)**DRAWING****TERM HOURS: 36 LEC, 72 LAB**

A continuation of Art 122 with a focus on developing drawing as a terminal medium. Additional materials fee applies: \$15.00. (CSU, UC)

ART 222 (3 UNITS)**DRAWING****TERM HOURS: 36 LEC, 72 LAB**

A continuation of Art 220 with a focus on advanced techniques to develop drawing as a terminal medium. Additional materials fee applies: \$15.00. (CSU, UC)

ART 224 (3 UNITS)**PAINTING****TERM HOURS: 36 LEC, 72 LAB**

A continuation of Art 126. Advanced studio problems in painting. Additional materials fee applies: \$15.00. (CSU, UC)

ART 226 (3 UNITS)**PAINTING****TERM HOURS: 36 LEC, 72 LAB**

A continuation of Art 224. Advanced studio problems in painting. Additional materials fee applies: \$15.00. (CSU, UC)

ART 228 (2 UNITS)**EXPLORATION OF PAINTING TECHNIQUES****TERM HOURS: 18 LEC, 36 LAB**

An exploratory course which provides opportunities to work with the various painting techniques. Basic painting assignments to develop individual application of techniques. Initial exercises in color usage and structure of the painting. Suggestions and evaluation of student work will take place on an individual basis. Additional materials fee applies: \$15.00. (CSU, UC)

ART 230 (3 UNITS)**LIFE DRAWING****TERM HOURS: 18 LEC, 90 LAB**

A continuation of Art 130 with a focus on developing a personal figure style in drawing. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU, UC)

ART 240 (3 UNITS)**CERAMICS****TERM HOURS: 36 LEC, 72 LAB**

A continuation of Art 140 with special emphasis on glaze formulation and decorating techniques. Additional materials fee applies: \$15.00. (CSU, UC)

ART 242 (3 UNITS)**CERAMICS - TECHNICAL****TERM HOURS: 36 LEC, 72 LAB**

A study of the raw materials used in compounding clay bodies and glazes. Specific problems of glaze calculations and techniques of glaze application. Additional materials fee applies: \$15.00. (CSU, UC)

ART 260 (3 UNITS)**ADVERTISING/GRAPHIC DESIGN****TERM HOURS: 36 LEC, 54 LAB**

Emphasis on advanced techniques and individualized studies relative to the preparation of a portfolio for use in admittance to a university or professional school or in seeking employment. Additional materials fee applies: \$15.00. (CSU)

ART 262 (3 UNITS)**GALLERY DISPLAY****TERM HOURS: 18 LEC, 72 LAB**

Theories, techniques and practices of art gallery exhibition including experience in care and preservation of art and seeing an exhibition from beginning to end; methods of locating shows, booking shows, communicating with artists, unpacking and returning exhibitions. Maximum credit nine units. (CSU)

ART 270 (3 UNITS)**PHOTOGRAPHY - INTERMEDIATE****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: ART 110 and ART 170.

This course emphasizes the continued instruction and practice required for understanding and improving B/W film exposure and development procedures, and improving the student's B/W printing skills. It covers various techniques for enhancing B/W negative and print quality. B/W composition and visual communication skills are stressed, as are the understanding and use of light and lighting control, both in the studio and on location. Maximum credit six units. Additional materials fee applies: \$15.00. (CSU, UC)

ART 280 (3 UNITS)**CAREER PREPARATION IN THE VISUAL ARTS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: Students should have completed two semesters from any one of the major disciplines within the art major (i.e. painting, photography, ceramics, design, sculpture).

This is a course for the art majors, or those students who are planning on a career in the fine arts, graphic design, photography or other applied arts field. Students will prepare a written resume, artist's statement, a photographic portfolio of their ongoing creative work, research and prepare a marketing/exhibition plan for their creative work, approach a minimum of three venues (galleries, museums, nonprofit arts' organization) with their portfolio package, and create an on-line web site portfolio of their work. It is recommended that students take this course during the last year of their art studies at IVC. Maximum credit six units. (CSU)

ART 282 (3 UNITS)**ART FUNDAMENTALS FOR EDUCATION****TERM HOURS: 72 LEC, 18 LAB**

The philosophical and practical concerns of teaching art to students. Designed for those already in the teaching profession as well as for those who are planning a career in the teaching profession. (CSU)

ASTRONOMY**ASTR 100 (3 UNITS)****PRINCIPLES OF ASTRONOMY****TERM HOURS: 54 LEC, 0 LAB**

An introduction to the principles of astronomy including physical evolution, tools of the astronomer, the sky, the solar system, the stars, the galaxies, and the universe. (CSU, UC)

AUTOMOTIVE BODY AND PAINT**AU B 120 (5 UNITS)****AUTOMOTIVE COLLISION REPAIR****TERM HOURS: 54 LEC, 108 LAB**

Recommended Preparation: WELD 130.

The study of body repair and spot painting. Covers the use of modern tools and equipment and procedures for handling typical body paint jobs. (CSU)

AU B 140 (5 UNITS)**FRAME AND UNDERCARRIAGE REPAIR****TERM HOURS: 54 LEC, 108 LAB**

Recommended Preparation: AU B 120.

Covers auto body repairing and repainting. Use of modern tools and equipment, step-by-step procedures for handling typical jobs. (CSU)

AU B 220 (5 UNITS)**ESTIMATING AND COLLISION REPAIR****TERM HOURS: 54 LEC, 108 LAB**

Recommended Preparation: AU B 140 and WELD 130.

Covers major collision repair including extensive frame and undercarriage damage, using modern equipment with step-by-step procedures. (CSU)

AU B 240 (3 UNITS)**CUSTOM REFINISHING AND SHOP MANAGEMENT****TERM HOURS: 18 LEC, 72 LAB**

Recommended Preparation: AU B 140 or AU B 220.

Auto body techniques and applied shop practices for advanced students who wish to refine technical skills prior to obtaining employment in the industry. (CSU)

AUTOMOTIVE TECHNOLOGY**AU T 070 (3 UNITS)****AUTOMOTIVE TECHNIQUES AND APPLICATIONS****TERM HOURS: 18 LEC, 108 LAB**

Recommended Preparation: AU T 125 and AU T 130.

This course is designed for students that already completed classes in brakes, suspension, wheel alignment, and basic automotive electronics or students who are currently employed in the automotive field. This course consists of reviews of hands-on using worksheets related to diagnose brake repair, steering/suspension repair and four wheel alignment. In addition, the student will be using the latest diagnostic equipment and service techniques of the automotive field. May be taken for a maximum of 6 units.

AU T 075 (3 UNITS)**BASIC SHOP SKILLS****TERM HOURS: 54 LEC, 0 LAB**

This is a comprehensive course in tool usage, nomenclature, and terminology of tools and equipment for the beginning student in the technologies. The course is for the student who has not developed a background in industrial technology, as well as for the bilingual student who wants to improve his/her technical vocabulary. (Same as AGET/WELD 075) (Nontransferable, AA/AS degree only)

AU T 085 (3 UNITS)**AUTOMOTIVE MAINTENANCE AND REPAIR****TERM HOURS: 36 LEC, 54 LAB**

This course is designed for students with little or no previous automotive maintenance training. This course consists of automotive safety, demonstrations of emergency situations, such as changing a flat tire, replacing burned-out lamps, and performing general vehicle maintenance and repairs. In addition, the student will learn the correct and safe way to use basic hand tools. (Nontransferable, AA/AS degree only)

AU T 100 (3 UNITS)**SMALL GASOLINE ENGINES****TERM HOURS: 36 LEC, 36 LAB**

The history, design, construction, and mechanical function of the small gasoline engine, including tune-up and major repair of the electrical and mechanical systems. (Same as AGET 100) (CSU)

AU T 110 (4 UNITS)**ENGINE TECHNOLOGY****TERM HOURS: 36 LEC, 108 LAB**

For the student with little or no internal combustion engine background. Design, construction, and mechanical function of internal combustion engines including lubricating, cooling, fuel, and electrical systems, and an understanding of the basic sciences relevant to such topics as internal combustion and energy conversion. (CSU)

AU T 120 (4 UNITS)
AUTOMOTIVE MACHINE SHOP
TERM HOURS: 36 LEC, 108 LAB

Recommended Preparation: AU T 110 or two years of high school auto mechanics.

Review and advanced study of the internal combustion engine and service procedures in the use of automotive machine shop tools and machines for rebuilding the engine. (CSU)

AU T 122 (4 UNITS)
HIGH PERFORMANCE ENGINE BLUEPRINT I
TERM HOURS: 36 LEC, 108 LAB

Recommended Preparation: MATH 070, AU T 110, AU T 120, or two years high school auto shop.

The student learns advanced set-up and operation procedures of machine shop equipment for engine blueprinting. The student will learn the procedures used to complete the machining of the engine block and component parts. The differences between standard and high performance applications will be highlighted. (Nontransferable, AA/AS degree only)

AU T 125 (4 UNITS)
AUTOMOTIVE BRAKES
TERM HOURS: 54 LEC, 54 LAB

Recommended Preparation: Current enrollment in MATH 070 or equivalent.

This course covers the principles and instruction in disassembly, inspection, installation, and adjustments of the modern brake system. Laboratory activities stress brake system diagnosis, repair, machining, and overhaul procedures and proper use of tools and equipment utilized in the industry. Upon successful completion of this course, students are prepared to take the Automotive Service Excellence (ASE) certification examination in brakes. (CSU)

AU T 130 (3 UNITS)
AUTOMOTIVE ELECTRONICS I
TERM HOURS: 36 LEC, 54 LAB

Advanced study of automotive electrical systems. Basic diagnosis and service procedures on the various systems. (CSU)

AU T 150 (4 UNITS)
AUTOMOTIVE ELECTRONICS II
TERM HOURS: 54 LEC, 54 LAB

Recommended Preparation: AU T 130 Advanced troubleshooting courses for Automotive Service Technicians. This course is designed for technicians or students, certified or not, who want to service the automotive electronic circuitry. The course provides a solid core of electronics based on microprocessor technology. Students will diagnose the various systems that include: engine computer control, transmission computer control, suspension, antilock brake systems, and various automotive instrumentation. Upon successful completion of this course, students are prepared to take the Automotive Service Excellence (ASE) certification examination in electronics. (CSU)

AU T 155 (4 UNITS)
SUSPENSION AND WHEEL ALIGNMENT
TERM HOURS: 54 LEC, 54 LAB

Recommended Preparation: MATH 070 or equivalent and AU T 125.

This course covers the principles and construction of passenger vehicle and light truck steering, chassis, and suspension system.

Emphasis is placed on the skill required in the diagnosis repair and adjustment of wheel alignment including two and four wheel alignment angles. Complete suspension and overhaul will be done in laboratory activities, as well as alignment using either two or four wheel sensors. Upon successful completion of this course, students are prepared to take the Automotive Service Excellence (ASE) certification examination in steering wheel suspension. (CSU)

AU T 160 (3 UNITS)
ENGINE PERFORMANCE TUNE-UP
TERM HOURS: 36 LEC, 54 LAB

Recommended Preparation: AU T 150 or passing of Automotive Service Excellence (ASE) electrical test or one year trade experience in engine tune-up.

This course provides operating theory and hands-on experience in the operation, diagnosis, and repair of automotive fuel systems with carburetors, basic throttle body and part fuel injection systems. Students learn to use the four gas analyzers. (CSU)

AU T 170 (3 UNITS)
ENGINE DIAGNOSIS AND REPAIR
TERM HOURS: 36 LEC, 54 LAB

Recommended Preparation: AU T 160 or one year in automotive trade with drivability experience.

This course provides advanced operation and hands-on experience of electronic injection systems and their sub-assemblies. Students will learn operation and repairs of sensors and actuators or injection systems. This class emphasizes diagnostic procedure and techniques using basic and sophisticated test equipment. (CSU)

AU T 175 (3 UNITS)
AUTOMOTIVE TECHNIQUES AND APPLICATIONS
TERM HOURS: 18 LEC, 108 LAB

Recommended Preparation: AU T 125, AU T 155, and AU T 130. This course is designed for students that have completed classes in brakes, suspension, wheel alignment, and basic automotive electronics, or students who are currently employed in the automotive field. This course consists of reviews of hands-on using worksheets related to diagnose brake repair, steering/suspension repair and four wheel alignment. In addition, the student will be using the latest diagnostic equipment and service techniques of the automotive field. (Nontransferable, AA/AS degree only)

AU T 180 (4 UNITS)
MANUAL TRANSMISSIONS AND POWER TRAINS
TERM HOURS: 54 LEC, 54 LAB

This course discusses modern manual transmissions, driveline and differential theory of method of repair, service equipment operation, and techniques of problem diagnosis procedures for import and domestic vehicles. Upon successful completion of this course, students are prepared to take the Automotive Service Excellence (ASE) certification examination in manual transmissions. (CSU)

AU T 210 (3 UNITS)
AUTOMOTIVE AIR CONDITIONING
TERM HOURS: 36 LEC, 54 LAB

Recommended Preparation: AU T 130 The course is designed to impart knowledge and information needed by the student to enter and make progress in employment on productive basis in the automotive air conditioning service industry. The use of charging station and systems will be part of A/C course. Upon successful completion of this course, students are prepared to take the Automotive Service Excellence (ASE) certification examination in air conditioning. (CSU)

AU T 220 (4 UNITS)**MECHANICAL AUTOMATIC TRANSMISSIONS****TERM HOURS: 36 LEC, 108 LAB**

Design, construction, mechanical, and hydraulic function and repairs of the automatic transmission. (CSU)

AU T 230 (3 UNITS)**EMISSIONS CONTROL AND COMPUTER SYSTEMS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: AU T 170 or two years experience in an automobile trade with drivability experience.

This is an advanced engine computer and drivability course. It emphasizes diagnostic procedure and techniques using all types of equipment and procedures. This class brings together all knowledge from AU T 160 and AU T 170, and allows students to diagnose all systems of the automobile. Upon successful completion of this course students are prepared to take the Automotive Service Excellence (ASE) certification examination in electronics, engine performance, and advanced engine performance. (CSU)

AU T 231 (4 UNITS)**AUTOMOTIVE EMISSION CONTROL SYSTEM****TERM HOURS: 36 LEC, 108 LAB**

Recommended Preparation: AU T 170, AU T 230, or ASE Certification in Engine Performance (A8) and Automotive Electronics (A6). The Clean Air Car Course is designed to prepare students or technicians for vehicle emission diagnosis and emission control system repair. Successful completion of this course allows the students or technicians to take the state smog examination. Students enrolling in this course are expected to have a firm background in automotive engine theory and repair. This is not a beginner course; this course is divided into four sections or modules. These modules consist of reviews in: rules and regulations of the smog system, repair and maintenance of emission control devices, engine tune-up and fuel systems, electrical/electronic devices and testing, and repairing computerized engine controls. (Nontransferable, AA/AS degree only)

AU T 235 (3 UNITS)**AUTOMOTIVE ELECTRICAL/ELECTRONIC INSTRUMENTS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: AU T 130.

The automotive professional uses different types of electrical/electronic instruments and equipment on a daily basis to troubleshoot and maintain various electronic circuits. This course is designed for technicians or students with little previous automotive electronic training. The testers or instruments can range from a logical test light all the way to a lab scope and anything in between. The student will learn how to use and interpret the most popular electronic equipment to diagnose and repair today's vehicle circuitry. In addition, this course covers the proper procedures for using the correct accessories to repair automotive winding computer system. Upon completion of this course, the student will have the capability to interpret all electronic signals and be prepared for the use of any electrical/electronic equipment available in the automotive field. (Nontransferable, AA/AS degree only)

AU T 240 (3 UNITS)**DIESEL ENGINE TUNE-UP****TERM HOURS: 36 LEC, 54 LAB**

Prerequisite: AU T 110 This course covers the principles of tune-up and the procedures for servicing the diesel engine. Practical emphasis is placed on proper disassembling, diagnosis calibrating, and testing different types of pumps and injectors. Proper servicing procedures will be followed in servicing, testing, and analyzing the fuel system and electrical circuits. (CSU)

AU T 250 (4 UNITS)**ELECTRONIC AUTOMATIC TRANSMISSIONS****TERM HOURS: 36 LEC, 108 LAB**

Prerequisite: AU T 220 Advanced study using four major domestic and foreign automatic transmissions, with emphasis on practical rebuilding of automatic transmissions, including locking torque converters and 4-speed overdrive and front wheel drive transaxles. Applied shop practices for advanced students who wish to refine technical skills prior to obtaining employment in the industry. (CSU)

BIOLOGY

Prerequisites may be satisfied by making the required course at Imperial Valley College or a comparable course at another college or, in some cases, a high school equivalent course. Biology 100 (formerly Biology 3), Principles of Biological Sciences (lab included; 4 units), is the equivalent of one year of high school biology (a course that includes a laboratory component) completed with a grade of "C" or better for both semesters. Chemistry 100 (formerly Chemistry 2A), Introduction to Chemistry (lab included; 4 units), is the equivalent of one year of high school chemistry (a course that includes a laboratory component) completed with a grade of "C" or better for both semesters.

BIOL 090 (3 UNITS)**ANATOMY AND PHYSIOLOGY FOR HEALTH OCCUPATIONS****TERM HOURS: 54 LEC, 0 LAB**

Introductory study of the structure and function of the human organism. Class is structured for health occupation students. It is not acceptable for pre-medical, pre-dental, pre-chiropractic, pre-physical therapy, or registered nursing students, and it is not open to students who have completed BIOL 200, BIOL 202, BIOL 204, BIOL 206 with a grade of "C" or better. (Nontransferable, AA/AS degree only)

BIOL 092 (4 UNITS)**MICROBIOLOGY FOR ADVANCED PLACEMENT OF NURSING STUDENTS****TERM HOURS: 36 LEC, 108 LAB**

Prerequisite: CHEM 100 and BIOL 100 with a grade of "C" or better or current California LVN license.

For students currently accepted for advanced placement by the IVC Nursing Department. Provides student with fundamental concepts of the structure and physiology of non-disease and disease producing microorganisms with lesser emphasis on non-disease producers than BIOL 220. Basic techniques for culturing, staining, and identifying bacteria. (Nontransferable, nondegree applicable)

BIOL 100 (4 UNITS)
PRINCIPLES OF BIOLOGICAL SCIENCE
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: MATH 090 or equivalent with a grade of "C" or better.

A comprehensive one semester general biology course for non-majors. Includes life from the molecular to the organismic level of both plants and animals and their interactions within the environment. Special emphasis is put on human biology within appropriate areas of study. Appropriate for general education as well as nursing, pre-professional, and higher level biology courses. Includes laboratory component. (CSU) (UC credit limited. See a counselor.)

BIOL 120 (4 UNITS)
GENERAL ZOOLOGY I
TERM HOURS: 36 LEC, 108 LAB

Prerequisite: MATH 090 or equivalent with a grade of "C" or better.

Recommended Preparation: Any laboratory science college level course, with a grade of "C" or better.

Introduction to basic principles of animal biology with reference to structure, functions, classification, heredity, and the environment of animals in general with special emphasis on the invertebrates. BIOL 122 may be taken before BIOL 120. (CSU, UC)

BIOL 122 (4 UNITS)
GENERAL ZOOLOGY II
TERM HOURS: 36 LEC, 108 LAB

Prerequisite: MATH 090 or equivalent with a grade of "C" or better.

Recommended Preparation: Any laboratory science college level course, including, but not limited to BIOL 120 with a grade of "C" or better.

Introduction to comparative anatomy and physiology, development of vertebrate forms and their interrelationships. (CSU, UC)

BIOL 134 (3 UNITS)
FIELD ECOLOGY AND CONSERVATION BIOLOGY
TERM HOURS: 18 LEC, 108 LAB

Recommended Preparation: BIOL 100.
 Winter and/or Summer Program Only.

This international field course is designed to be offered during winter and/or summer sessions. The course is designed primarily for majors in biology, natural science, and related fields, yet is open to students of all majors. This course introduces students to the general principles of ecology, emphasizing ecology of unique ecosystems, conservation, biodiversity concepts, plant and animal interactions and adaptations, effects of human disturbance on native flora and fauna, and field research techniques. Students are expected to develop and apply skills in field research and in utilizing the scientific method. Students will conduct small independent field research projects. (CSU)

BIOL 140 (3 UNITS)
GENERAL BOTANY
TERM HOURS: 54 LEC, 0 LAB

This introductory course covers the general principles of botany. The emphasis is on anatomy, morphology, life cycles, embryology, physiology, identification of plants, ecological principles, and a plant kingdom survey. Field trip(s)/activities are included with the course. (CSU, UC)

BIOL 142 (3 UNITS)
ETHNOBOTANY: PLANTS AND HUMAN CULTURES
TERM HOURS: 54 LEC, 0 LAB

This introductory course focuses on the concepts, questions and methods of ethnobotany, the scientific study of interactions between plants and humans, and the relationship between Traditional Resource Management and plant ecology. Students will use the scientific method to investigate the ecological and biological traits of plants, how these traits have shaped multi-cultural human use, and how plants have been affected by humans. Topics include the following: plant structure and reproduction; plant evolution under domestication; the role of biodiversity in natural and cultivated systems; ethnobotanical research techniques; the ethics of intellectual property rights; and principles of economic botany and comparative plant use by various cultures for food, medicine, shelter, basketry, and dyes. Field trip(s)/activities included within the course. (CSU, UC)

BIOL 150 (3 UNITS)
HUMAN GENETICS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

A one semester course examining genetics from a human perspective. Discussion of patterns of inheritance, human genetic diseases and disorders, and the application of genetic technologies in other organisms for human use. (CSU, UC)

BIOL 180 (4 UNITS)
GENERAL BIOLOGY: MOLECULES, CELLS AND GENETICS
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

This course is one of two entry-level courses designed for life science majors, health care, and science educators intending to transfer to four-year institutions. However, the course is open to all students. This course will introduce students to molecules of cells, cell structures and functions, cell division, cellular respiration, photosynthesis, molecular biology, and genetics. (CSU, UC)

BIOL 182 (4 UNITS)
GENERAL BIOLOGY: PRINCIPLES OF ORGANISMAL BIOLOGY
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

This is one of two entry-level courses designed for life science, biology, health care, and science education majors intending to transfer to four-year institutions. However, this course is open to all students. This course provides students an introduction to biology and the scientific method. Additionally, properties of life leading to genetic and biological diversity are studied. The course surveys evolutionary relationships, systematics, ecology, biological diversity, population regulation, and physiology of living organisms (Protista, Fungi, Plants, and Animals). Emphasis is on structure and function at the organismal level. (CSU, UC)

BIOL 200 (4 UNITS)
HUMAN ANATOMY AND PHYSIOLOGY I
TERM HOURS: 36 LEC, 108 LAB

Prerequisite: MATH 090 and CHEM 100 and BIOL 100 with grades of "C" or better; or MATH 090 with a grade of "C" or better and current California LVN license.

Human anatomy and physiology. A two-semester study of the structure and function of the human organism, from the molecular to the gross level. Preparatory for RN program and paramedical programs. (CSU) (UC credit limited. See a counselor.)

BIOL 202 (4 UNITS)**HUMAN ANATOMY AND PHYSIOLOGY II****TERM HOURS: 36 LEC, 108 LAB**

Prerequisite: BIOL 200 with a grade of "C" or better; or MATH 090 with a grade of "C" or better and current California LVN license.

Human anatomy and physiology. A two-semester study of the structure and function of the human organism, from the molecular to the gross level. Preparatory for RN program and paramedical programs. (CSU) (UC credit limited. See a counselor.)

BIOL 204 (4 UNITS)**HUMAN ANATOMY****TERM HOURS: 36 LEC, 108 LAB**

Prerequisite: MATH 090 and BIOL 100 or BIOL 120 with grades of "C" or better or current California LVN license.

Lecture and laboratory course designed to study the fundamental principles of the human body structure at the cellular, tissue, organ and systems level of organization, including the cat and organ dissection, study of the human skeleton, structural-functional relationships, and appreciation of related human diseases and aging. (CSU) (UC credit limited. See a counselor.) (CAN BIOL 10) (CAN BIOL SEQ B = BIOL 204 and BIOL 206)

BIOL 206 (4 UNITS)**HUMAN PHYSIOLOGY****TERM HOURS: 36 LEC, 108 LAB**

Prerequisites: MATH 090 and CHEM 100 and BIOL 204 with grades of "C" or better; or MATH 090 with a grade of "C" or better and current California LVN license.

Lecture and laboratory course designed to introduce the function of the human body from cellular through organ system levels of organization. Emphasis will be on integration of body systems and interrelationships for maintaining homeostasis. The practical applications of the basic concepts are presented. (CSU) (UC credit limited. See a counselor.) (CAN BIOL 12) (CAN BIOL SEQ B = BIOL 204 and BIOL 206)

BIOL 220 (5 UNITS)**GENERAL MICROBIOLOGY****TERM HOURS: 54 LEC, 108 LAB**

Prerequisite: MATH 090 and CHEM 100 and BIOL 100 with grades of "C" or better and current California LVN license.

Provides students with fundamental concepts of the structure and physiology of nondisease and disease producing microorganisms with particular attention to bacteria. Basic techniques for culturing, staining, counting and identifying microorganisms. Designed to meet the requirement to enter one of the medical fields as well as general education. (CSU, UC) (CAN BIOL 14)

BUILDING CONSTRUCTION**BLDC 110 (3 UNITS)****CONSTRUCTION BLUEPRINTS, SPECIFICATIONS, MEASUREMENTS, AND CODES****TERM HOURS: 36 LEC, 54 LAB**

This is an introduction to construction blueprint reading and specifications. Study of the methods of graphic representation of building materials, symbols, measurements, and interpretation of building codes. (Nontransferable, AA/AS degree only)

BLDC 130 (4 UNITS)**CARPENTRY LAYOUT AND FRAMING****TERM HOURS: 36 LEC, 108 LAB**

Recommended Preparation: BLDC 110 and BLDC 140.

This course provides instruction in building layout and structural framing systems typical to residential construction and will include: materials, fasteners, measuring, use of tools, construction safety, and hands-on applications. (Nontransferable, AA/AS degree only)

BLDC 140 (3 UNITS)**BUILDING CONSTRUCTION METHODS AND MATERIALS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: Average to above average mathematics and communications skills.

This course will introduce students to construction methods and materials, the characteristics of materials, and construction processes. Methods, equipment, personnel, regulatory organizations, and safety considerations which are common factors in the construction industry will be discussed. (Nontransferable, AA/AS degree only)

BLDC 145 (3 UNITS)**CONCRETE FORMWORK, LAYOUT, AND SETTING****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: BLDC 140.

This course will introduce students to techniques, practices, and procedure in concrete formwork, layout, and settings, which will lead to employment in the cement mason occupations within the Building Construction Trades Industry. (Nontransferable, AA/AS degree only)

BLDC 150 (4 UNITS)**CARPENTRY METHODS, MATERIALS, AND TOOLS****TERM HOURS: 36 LEC, 108 LAB**

Recommended Preparation: BLDC 110, BLDC 130, and BLDC 140.

Carpentry construction methods require the use of construction methods, materials, and tools to achieve a completed structure. Use and operation of hand and power tools used for a variety of construction materials will be studied and applied during this course. Application of materials and execution of construction methods will be guided by building codes and in compliance with safety regulations. (Nontransferable, AA/AS degree only)

BLDC 160 (3 UNITS)
CONSTRUCTION TECHNICAL AND CONTRACT DOCUMENTS

TERM HOURS: 36 LEC, 54 LAB

Recommended Preparation: BLDC 140 and Construction Trade experience.

This course will introduce the student to the typical organization of a planning department and the responsibilities of the personnel associated with the development, review, implementation, enforcement, and approval of technical and contract documents. (Non-transferable, AA/AS degree only)

BLDC 165 (4 UNITS)
CONCRETE MATERIALS, METHODS, AND TOOLS
TERM HOURS: 36 LEC, 108 LAB

Recommended Preparation: BLDC 145.

This course will continue to prepare the student in the occupational field of cement mason by including learning activities in cement manufacturing, portland cement types, aggregates, admixtures, reinforcement, material handling, placing, compacting, finishing, hand tooling, and mechanical tools. (Nontransferable, AA/AS degree only)

BLDC 180 (3 UNITS)
BUILDING PLANNING AND COST ESTIMATION
TERM HOURS: 36 LEC, 54 LAB

This course will present the subjects of planning and cost estimating to develop the knowledge of material determination, production quantities, and costs associated with construction. Included will be the understanding of the relationship between planning, estimating, and cost accounting in construction. (Nontransferable, AA/AS degree only)

BLDC 185 (4 UNITS)
CONCRETE FOOTINGS, FLATWORK, AND DETAIL WORK
TERM HOURS: 36 LEC, 108 LAB

Recommended Preparation: BLDC 165.

This course is the study of concrete construction to include the skills and understanding necessary for the entry-level cement mason to locate, layout, and complete the formwork for footings. Included will be elements of flatwork concrete construction and decorative non-traditional detail work. (Nontransferable, AA/AS degree only)

BLDC 190 (3 UNITS)
CARPENTRY TRIM AND DETAIL WORK
TERM HOURS: 18 LEC, 108 LAB

Recommended Preparation: BLDC 150.

Trim and detail work in carpentry construction require a different set of technical and skills competencies. This course is a survey of the technical knowledge, skill sets, and attention to details needed for building and residential construction finish work. Included in this course will be interior finish, doors, windows, drywall, trim, specialty tools, and construction safety. (Nontransferable, AA/AS degree only)

BLDC 201 (3 UNITS)
BUILDING CONSTRUCTION PROJECT MANAGEMENT
TERM HOURS: 36 LEC, 54 LAB

Recommended Preparation: BLDC 180.

This course is the study of concepts used in planning, scheduling, and controlling construction projects. Included will be traditional control models, diagrams, linear scheduling, arrow diagrams, resource allocations, time-cost analysis, contract provisions, and dispute resolution. (Nontransferable, AA/AS degree only)

BLDC 210 (3 UNITS)
CONSTRUCTION MANAGEMENT AND ORGANIZATIONS
TERM HOURS: 36 LEC, 54 LAB

Recommended Preparation: BLDC 201 and Construction Trades experience.

This course is a study in construction firms and their fundamental techniques for operation. Discussion will be on types of materials, inspections, construction methods, project management problems, labor opportunities, construction costs, and project controls. Included will be discussion on the organizations that influence construction projects, their design, scheduling, costs, and final efficiency factor. (Nontransferable, AA/AS degree only)

BUSINESS ADMINISTRATION

BUS 010 (3 UNITS)
PRACTICAL ACCOUNTING
TERM HOURS: 54 LEC, 0 LAB

This basic course will teach students to journalize and post transactions common to a service type business and teach them the end of the fiscal period functions on the accrual basis. (Nontransferable, AA/AS degree only)

BUS 060 (3 UNITS)
ESSENTIALS IN WORKPLACE COMMUNICATION
TERM HOURS: 54 LEC, 0 LAB

Emphasizes the basic elements and skills necessary for effective workplace communications, business vocabulary—pronunciation, spelling, meaning, and punctuation. Standard letter writing styles will be stressed. (Nontransferable, AA/AS degree only)

BUS 061 (3 UNITS)
BUSINESS ENGLISH
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Concurrent enrollment in BUS 060 and/or ENGL 100 This course will provide comprehensive instruction in the correct use of English grammar with an emphasis on business vocabulary; develop proficiency in punctuation, capitalization, and number style skills; and provide an opportunity to apply correct usage and style and effective techniques for writing in today's work world. (Nontransferable, AA/AS degree only)

BUS 062 (3 UNITS)
INTERCULTURAL BUSINESS COMMUNICATION
TERM HOURS: 54 LEC, 0 LAB

In this course, the most significant issues pertaining to cross-cultural interaction are covered: culture, intercultural communication (both verbal and nonverbal), and cultural shock. In addition, the course contains practical guidelines and information on how to resolve conflicts and write business documents in a multicultural workplace as well as other general do's and do not's in business. (Nontransferable, AA/AS degree only)

BUS 124 (3 UNITS)**INTRODUCTION TO BUSINESS****TERM HOURS: 54 LEC, 0 LAB**

A basic beginning college course that introduces U.S. business and industry. Includes the nature and importance of business, forms of business ownership, organization, management, finance, marketing, government and legal regulations, pricing and taxes. Class activities include participation in team-building concepts. (CSU, UC)

BUS 126 (3 UNITS)**BUSINESS AND THE LEGAL ENVIRONMENT****TERM HOURS: 54 LEC, 0 LAB**

An introduction to the legal environment of business. The following topics are covered: sources of law, judicial systems, administrative law, and governmental regulation, crimes and torts, protection of intellectual property, contracts, commercial paper, agency, labor law, legal forms of business organization, securities regulation, consumer and environmental law, warranties, and product liability, bankruptcy, real property law and international law. Collaborative learning and the team approach are used in doing legal research, reading and understanding court opinions and writing briefs of cases. (CSU, UC) (CAN BUS 8)

BUS 132 (3 UNITS)**BUSINESS MANAGEMENT****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: BUS 124 A study of management theories and processes as they apply in the contemporary business world. The course is based on the application of the four functions of management - planning, organizing, leading, and controlling - in the effective achievement of organizational objectives. Management activities are practiced in organizational situations using case studies, simulations, and class projects. (Same as AG 132) (CSU)

BUS 134 (3 UNITS)**MANAGEMENT CONCEPTS OF SUPERVISION****TERM HOURS: 54 LEC, 0 LAB**

A study of supervisory management concepts that include definition of supervision and management, description of supervisory management functions and a supervisor's role in managing organizational resources, staffing, methods of performance appraisal, problem solving, and decision-making techniques, motivation, conflict resolution, compensation, leadership, communication, health and safety, training and development, labor relations, discipline, and how to cope with change. (CSU)

BUS 136 (3 UNITS)**HUMAN RELATIONS IN MANAGEMENT****TERM HOURS: 54 LEC, 0 LAB**

Study of human relations as they apply to management. Topics covered include model of organizational behavior, social systems, organizational culture, communications management, motivation, performance appraisal, employee attitudes and their effects, leadership and supervision, nature of participation, interpersonal dynamics, management of change, organizational development, ethics, social responsibility, labor relations, equal employment opportunity, stress and counseling. Collaborative learning with team building approaches are employed to enhance interpersonal skills. (CSU)

BUS 138 (2 UNITS)**HUMAN RESOURCES MANAGEMENT****TERM HOURS: 36 LEC, 0 LAB**

This course describes the critical issues facing human resource management professionals now and in the future and how to effectively deal with them. The critical areas of human resource management are to include personnel planning; staffing; appraising and compensating employees; employee training and development; career planning and career management programs; quality of work life and productivity; occupational safety and health; and employee rights and unionization. Case studies and experimental exercises are used to enhance the learning environment. (CSU)

BUS 140 (3 UNITS)**BUSINESS RETAILING****TERM HOURS: 54 LEC, 0 LAB**

Principles and techniques of retailing, promotion and advertising pertinent to retail policies and procedures. Includes psychological aspect of retailing and fashion merchandising. Working foundation for those looking forward to employment in this area. (CSU)

BUS 142 (3 UNITS)**PRACTICAL SALESMANSHIP****TERM HOURS: 54 LEC, 0 LAB**

A practical approach to the study of salesmanship. Topics covered include an overview of personal selling and classification of sales jobs, the sales environment, the sales personality, the sales process, and other subject areas important to sales work such as understanding the firm and building good customer relationships. (CSU)

BUS 144 (3 UNITS)**PRINCIPLES OF MARKETING****TERM HOURS: 54 LEC, 0 LAB**

A course of study designed to introduce students to the organization and operation of marketing activities, including the study of the marketing mix, markets, promotion and strategic planning. (CSU)

BUS 148 (3 UNITS)**PERSONAL FINANCE****TERM HOURS: 54 LEC, 0 LAB**

This course is an introduction to planning and managing personal finances. Emphasis is on real world situations such as budgeting, credit and borrowing, money management and tax strategies, risk and insurance analysis, consumer purchasing strategies, investment instruments and alternatives to retirement and estate planning. (CSU)

BUS 152 (1 UNITS)**BASIC KEYBOARDING****TERM HOURS: 18 LEC, 18 LAB**

This course is designed to develop speed and accuracy in the use of the computer keyboard. The student will learn to operate by touch the letter, number, and symbol keys using the proper typing technique. (CSU)

BUS 154 (3 UNITS)
BEGINNING KEYBOARDING AND DOCUMENT
FORMATTING

TERM HOURS: 36 LEC, 36 LAB

This course is designed to teach the student the basic operations of a computer including using alphabet, numeric and symbol keys. The course will also include the basic commands needed to format business documents. (CSU)

BUS 156 (3 UNITS)
KEYBOARDING: SPEED AND ACCURACY
TERM HOURS: 36 LEC, 36 LAB

Recommended Preparation: Ability to keyboard 20 nwpm.

An individualized diagnostic, prescriptive method of developing accuracy and speed. Emphasis is placed on development of keyboarding speed and accuracy ratings between 20-90 nwpm. Maximum credit nine units. (CSU)

BUS 164 (3 UNITS)
OFFICE TECHNOLOGY & PROCEDURES I
TERM HOURS: 36 LEC, 36 LAB

Recommended Preparation: Keyboard skills of 20 nwpm.

This course stresses those competencies required of the office worker in today's business environment. It is designed to teach students production skills for today's office environment using word processing software as well as develop skills for handling business procedures. (CSU)

BUS 167 (1 UNITS)
MACHINE CALCULATION
TERM HOURS: 18 LEC, 18 LAB

Recommended Preparation: MATH 070.

This course develops skills required for rapid and accurate operation of calculating machines and expand and refine business math skills. (CSU)

BUS 169 (2 UNITS)
RECORDS MANAGEMENT
TERM HOURS: 36 LEC, 0 LAB

Lecture and supervised individual and group procedural activity designed to acquaint students with progressive filing and records management rules, procedures and techniques. Alphabetic, numeric, geographic and subject filing are studied. (CSU)

BUS 172 (3 UNITS)
OFFICE TECHNOLOGY AND PROCEDURES II
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: BUS 164.

This course stresses all business skills and those competencies required of the office worker in today's business environment. The course provides realistic and meaningful experiences to strengthen student's administrative skills and knowledge of business procedures and technological skills. The role of the administrative assistant will be analyzed as well as the global influences that affect the way business is conducted. (CSU)

BUS 176 (1 UNITS)
OFFICE TRANSCRIPTION
TERM HOURS: 18 LEC, 18 LAB

Recommended Preparation: BUS 164.

This course is designed to teach students to develop office technology skills using machine transcription equipment. (CSU)

BUS 180 (4 UNITS)
MICROSOFT OFFICE FOR THE WORKPLACE
TERM HOURS: 54 LEC, 36 LAB

Recommended Preparation: BUS 164.

This course is designed to strengthen skills needed in a business office. Students will broaden word processing skills; develop spreadsheets and databases; create documents using desktop publishing software; and search for, evaluate, and use information from the Internet. Students will also develop business documents, presentations, and web pages using multimedia. After completing the class, the student will have a foundation for integrating a variety of business applications in an office setting. (CSU)

BUS 190 (3 UNITS)
REAL ESTATE PRINCIPLES
TERM HOURS: 54 LEC, 0 LAB

An analysis of the principles of real estate in California; history of California real estate, property, contractors, agency, listings, real estate financing, deeds, liens and encumbrances, escrows and title insurance, land descriptions, real estate mathematics, and real estate licensing and state regulations. (CSU)

BUS 191 (3 UNITS)
REAL ESTATE PRACTICES
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: BUS 190.

Course of study that covers the following topics: Real Estate Industry, Elements and Relationships of Real Estate Agency, Organization of Real Estate Office, Prospecting Methods and Listings Development, Basic Selling and Advertising Techniques, Preparation and Content of Real Estate Purchase Contract, Escrow and Title Insurance, Elements of Real Estate Financing, Sources of Funds, Taxation, Appraisal and Valuation, Property Management and Leasing, Real Estate Investment, and Specialized Transactions. (CSU)

BUS 210 (4 UNITS)
PRINCIPLES OF FINANCIAL ACCOUNTING
TERM HOURS: 72 LEC, 18 LAB

Recommended Preparation: MATH 080 or equivalent.

Theory and practice of accounting applicable to recording and reporting of business transactions for proprietorships, partnerships, and corporations as they relate to external use. Includes the study of asset, liability, and equity accounts; revenue and expense recognition; inventory accounting; stockholder equity, earnings, and dividends; long-term bonds and investments; and statements of cash flows. (CSU, UC) (CAN BUS 2) (CAN BUS SEQ A = BUS 210 and BUS 220)

BUS 220 (4 UNITS)
PRINCIPLES OF MANAGERIAL ACCOUNTING
TERM HOURS: 72 LEC, 18 LAB

Prerequisite: BUS 210.

Selection and analysis of accounting information for internal use by managers. Use of financial information for planning and control purposes. (CSU, UC) (CAN BUS 4) (Can BUS SEQ A = BUS 210 and BUS 220)

BUS 260 (3 UNITS)
BUSINESS COMMUNICATIONS
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: ENGL 100 and word processing skills. This course will teach the principles of effective communication applied to business letters, memos, and analytical reports. It includes the organization, writing, and presentation of business documents and incorporates the basic principles of speaking effectively for business. (CSU)

CHEMISTRY

Prerequisites may be satisfied by taking the required course at Imperial Valley College or a comparable course at another college or, in some cases, a high school equivalent course. Biology 100 (formerly Biology 3), Principles of Biological Sciences (lab included; 4 units), is the equivalent of one year of high school biology (a course that includes a laboratory component) completed with a grade of "C" or better for both semesters. Chemistry 100 (formerly Chemistry 2A), Introduction to Chemistry (lab included; 4 units), is the equivalent of one year of high school chemistry (a course that includes a laboratory component) completed with a grade of "C" or better for both semesters.

CHEM 100 (4 UNITS)
INTRODUCTION TO CHEMISTRY
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

Elementary principles of general and inorganic chemistry with an introduction to organic and biochemistry. Previous science background is recommended, but not required. This course is designed for non-science majors and students who need only a one-semester general chemistry course, and also for students entering a paramedical and allied health fields, and industrial applications such as power plants. This course will satisfy the prerequisite for CHEM 200. (CSU) (UC credit limited. See a counselor.) (CAN CHEM 6)

CHEM 140 (4 UNITS)
INTEGRATED CHEMISTRY
TERM HOURS: 54 LEC, 54 LAB

Prerequisites: CHEM 100 and MATH 090 with grades of "C" or higher.

Integrated Chemistry is a one-semester course covering topics in chemistry that are relevant to Nursing and Allied Health Sciences. The course includes topics from general chemistry, organic and biochemistry, with emphasis on organic and biochemistry. (CSU, UC)

CHEM 200 (5 UNITS)
GENERAL INORGANIC CHEMISTRY I
TERM HOURS: 54 LEC, 108 LAB

Prerequisite: CHEM 100 and MATH 090 with grades of "C" or better.

Basic principles and calculations of chemistry with emphasis on stoichiometry and dimension analysis applied to various problem types. Fundamental principles and theory of atomic and molecular structure as related to bonding and molecular geometry. Study of kinetic molecular theory, the first law of thermodynamics, periodic relationships of the elements, physical states of matter, solution chemistry, and oxidation-reduction. The laboratory is closely related to lecture topics and includes methods of classical experimentation as well as certain instrumental analysis. (CSU, UC) (CAN CHEM 2) (CAN CHEM SEQ A = CHEM 200 and CHEM 202)

CHEM 202 (5 UNITS)
GENERAL INORGANIC CHEMISTRY II
TERM HOURS: 54 LEC, 108 LAB

Prerequisite: CHEM 200 with a grade of "C" or higher.

This course includes a detailed study of chemical reaction rates, the equilibrium condition as it applies to acids and bases as well as solubility, thermodynamics and the properties of spontaneous reactions, electrochemistry, chemistry of the transition elements, and nuclear processes. A survey of topics in organic chemistry and biochemistry is also included. This is the second course of the chemistry series. (CSU, UC) (CAN CHEM 4) (CAN CHEM SEQ A = CHEM 200 and CHEM 202)

CHEM 204 (5 UNITS)
ORGANIC CHEMISTRY I
TERM HOURS: 54 LEC, 108 LAB

Prerequisite: CHEM 202 with a grade of "C" or better.

This course is a study of various reaction mechanisms and properties of hydrocarbons, alkyl halides, alcohol, thiols, and ethers. Stereochemical properties of compounds are investigated and related to structure and observed reactions. Instrumental methods of analysis such as IR, UV-VIS, NMR, and mass spectrometry are discussed. This course is intended for students majoring in chemistry, biology, and pre-medical sciences. (CSU, UC)

CHEM 206 (5 UNITS)
ORGANIC CHEMISTRY II
TERM HOURS: 54 LEC, 108 LAB

Prerequisite: CHEM 204 with a grade of "C" or better.

This course is a study of various reactions and properties aldehydes, ketone, carboxylic acids, aromatic compounds, amines, conjugated dienes, lipids, carbohydrates, and organic polymers. A survey of various biochemical topics such as metabolism, protein structure, and DNA is also included. This course is a continuation of CHEM 204 is intended for students majoring in chemistry, biology, and pre-medical sciences. (CSU, UC)

CHEM 208 (4 UNITS)
QUANTITATIVE ANALYSIS
TERM HOURS: 36 LEC, 108 LAB

Prerequisite: CHEM 202 with a grade of "C" or better.

Recommended Preparation: MATH 090 with a grade of "C" or better.

Theory and practice of volumetric, gravimetric and electrochemical methods of analysis with an introduction to instrumental techniques of analysis. (CSU, UC) (CAN CHEM 12)

CHILD, FAM. CONSUMER SCIENCE**CFCS 050 (1 UNITS)****FAMILY CHILD CARE MANAGEMENT****TERM HOURS: 18 LEC, 0 LAB**

Instruction in operating home based childcare as a successful business. Topics covered include bookkeeping, tax laws, licensing requirements, management skills, scheduling and policies. (Non-transferable, AA/AS degree only)

CFCS 051 (1 UNITS)**FAMILY CHILDCARE PROVIDER AND PARENT RELATIONS****TERM HOURS: 18 LEC, 0 LAB**

A study of appropriate provider and parent communication techniques and strategies. Includes problem solving, decision making, conflict resolution, methods for increasing parent involvement and participation in child's care and education. (Nontransferable, AA/AS degree only)

CFCS 052 (1 UNITS)**FAMILY CHILDCARE LICENSING AND RESOURCES****TERM HOURS: 18 LEC, 0 LAB**

A study of California Child Care requirements, funding possibilities and community resources. (Nontransferable, AA/AS degree only)

CFCS 070 (0.5 UNITS)**FIRST AID AND CPR FOR TEACHERS OF YOUNG CHILDREN****TERM HOURS: 9 LEC, 0 LAB**

Prerequisite: Successful completion of CFCS 102 First Aid/CPR Module B refresher: American Red Cross or American Heart Association certification update in infant and child CPR and First Aid. (Nontransferable, nondegree applicable)

CFCS 100 (2 UNITS)**INTRODUCTION TO EARLY CHILDHOOD****TERM HOURS: 36 LEC, 0 LAB**

This course provides an overview into the field of early childhood. It will create a framework for child development, early childhood studies and professional development. This course includes a survey of career options, history, philosophies, appropriate practices with young children, and identification of quality child development programs. (CSU)

CFCS 101 (2 UNITS)**HEALTH, SAFETY, AND NUTRITION FOR TEACHERS OF YOUNG CHILDREN****TERM HOURS: 36 LEC, 0 LAB**

Health and safety needs for young children in group care. County and state mandates for health and safety. Basic nutrition for children including nutritional needs and food service in group care. (CSU)

CFCS 102 (1 UNITS)**FIRST AID AND CPR FOR TEACHERS OF YOUNG CHILDREN****TERM HOURS: 18 LEC, 0 LAB**

First Aid, CPR Module B: American Red Cross or American Heart Association certification in infant, child and adult CPR and First Aid. (CSU)

CFCS 104 (3 UNITS)**EARLY CHILDHOOD SOCIALIZATION: CHILDREN, FAMILY, AND COMMUNITY****TERM HOURS: 54 LEC, 0 LAB**

Study of the child in the family and community in relation to social, cultural, economic, ethnic, and geographical influences on his/her growth and development. Community resources as they relate to the education, health, welfare, recreational and other activities of the child. (CSU)

CFCS 106 (3 UNITS)**DEVELOPMENTAL PSYCHOLOGY OF CHILDREN****TERM HOURS: 54 LEC, 0 LAB**

A study of the developmental stages of children from conception through adolescence including the principle theories of development and their application. (Same as PSY 106) (CSU) (UC credit limited. See a counselor.)

CFCS 108 (3 UNITS)**ADVANCED DEVELOPMENTAL PSYCHOLOGY AND OBSERVATION****TERM HOURS: 54 LEC, 0 LAB**

Advanced study of the principle theories of developmental psychology, including the study of assessment and observation as tools for understanding behavior and development. (CSU)

CFCS 110 (3 UNITS)**EARLY CHILDHOOD CURRICULUM I****TERM HOURS: 54 LEC, 0 LAB**

A study of preschool curriculum and its application in the preschool environment. Students will learn to develop and write curriculum plans which incorporate developmental goals. Implementation of lesson plans at local preschools is required. (CSU)

CFCS 112 (2 UNITS)**LANGUAGE AND LITERATURE FOR EARLY CHILDHOOD****TERM HOURS: 36 LEC, 0 LAB**

Development of language and communication skills in the first five years of life. Creating a language arts curriculum for toddlers and preschoolers with an emphasis on oral communication using storytelling, puppets, and dramatic play. Analysis of stories and literature for their value to the young child. (CSU)

CFCS 114 (2 UNITS)**ART FOR YOUNG CHILDREN****TERM HOURS: 36 LEC, 0 LAB**

Developing aesthetic and perceptual awareness in the toddler and preschool child through exploration of various process-oriented art media, activities, and experiences. Emphasis is placed on the development of age appropriate art curriculum activities, basic teaching skills, guidance techniques, equipment and materials. (CSU)

CFCS 116 (2 UNITS)**SCIENCE AND MATH FOR EARLY CHILDHOOD****TERM HOURS: 36 LEC, 0 LAB**

Developing a science curriculum aimed at introducing the young child to physical science, simple chemistry and biological science concepts. Developing a math curriculum introducing number and math concepts. Emphasis is placed on developing an age appropriate science and math curriculum and planning a science environment that is meaningful and exciting for the young child. (CSU)

CFCS 118 (2 UNITS)**MUSIC AND MOVEMENT FOR EARLY CHILDHOOD****TERM HOURS: 36 LEC, 0 LAB**

Music, rhythm and body movement experiences for young children. Development of teacher skills with simple music instruments and familiarity with resource materials for program planning and exploration of motor skills and movement concepts. (CSU)

CFCS 170 (2 UNITS)**CHILD ABUSE****TERM HOURS: 36 LEC, 0 LAB**

A study of abused, battered, and neglected children. Identification and prevention of abused children and of abusers. Mandated reporting responsibilities. (CSU)

CFCS 171 (2 UNITS)**CHILDREN WITH CHALLENGING BEHAVIORS****TERM HOURS: 36 LEC, 0 LAB**

Effective strategies for working with children who have challenging behaviors in the early childhood classroom environment. Emphasis on teacher's role in working with parents and supporting children through emotional difficulties. (CSU)

CFCS 172 (1 UNITS)**CREATIVE COOKING FOR CHILDREN****TERM HOURS: 18 LEC, 0 LAB**

Cooking experiences for the preschool classroom. Development of effective, developmentally appropriate cooking activities. (CSU)

CFCS 173 (1 UNITS)**WHAT IS DEVELOPMENTALLY APPROPRIATE?****TERM HOURS: 18 LEC, 0 LAB**

The subject matter will vary with the needs and interests of the students. The course content is designed to meet educational requirements of Title 22 and Title V Professional Growth Permit requirements. The course can be taken more than once, provided the topic of the course is not the same. (CSU)

CFCS 200 (3 UNITS)**FIELD EXPERIENCE****TERM HOURS: 27 LEC, 180 LAB**

Prerequisites: CFCS 100, CFCS 104, CFCS 106/PSY 106, CFCS 108, CFCS 110 and 4 or 5 units from the following CFCS 112, CFCS 114, CFCS 116, CFCS 118 or CFCS 262.

Supervised field work in an early childhood program under the direction of a Master Teacher and college supervisor. The students will learn to assess, develop and implement curriculum and appropriate practices for young children in a supervised setting. (CSU)

CFCS 210 (3 UNITS)**ADMINISTRATION AND SUPERVISION IN EARLY CHILDHOOD EDUCATION****TERM HOURS: 54 LEC, 0 LAB**

Prerequisites: CFCS 200 and its prerequisites.

This course incorporates basic management principles for preschools including curriculum development and implementation, personnel management, facility maintenance, budgeting, parent involvement, community relations, program evaluation and professional ethics. (CSU)

CFCS 211 (3 UNITS)**ADVANCED MANAGEMENT FUNCTIONS FOR THE OPERATION OF AN EARLY CHILDHOOD CENTER****TERM HOURS: 36 LEC, 54 LAB**

Prerequisites: CFCS 210.

This course is designed for those who plan to be directors in any child care center, both public and private, in the state of California. Principles and practices of program planning, budgeting and personnel administration for agencies servicing children and families. (CSU)

CFCS 212 (3 UNITS)**ADULT SUPERVISION IN EARLY CHILDHOOD PROGRAMS****TERM HOURS: 54 LEC, 0 LAB**

A study of the methods and principles of adult supervision in an early childhood setting from a development perspective. Topics covered include competence in personnel management, effective interpersonal communication, how adults learn, team building. (CSU)

CFCS 220 (3 UNITS)**INFANT TODDLER DEVELOPMENT****TERM HOURS: 54 LEC, 0 LAB**

This course will cover the fundamental principles of prenatal and infant development from conception to age two as determined by heredity, society and human interaction. Prenatal development and the birth process are emphasized. Observations will be done on a neonate, infant and toddler. (CSU)

CFCS 221 (3 UNITS)**INFANT TODDLER CURRICULUM****TERM HOURS: 54 LEC, 0 LAB**

This course will prepare students to develop and implement an infant and/or toddler curriculum including the design of a developmentally appropriate learning environment. It will examine the methods currently in practice and study teacher competencies necessary for working with infants/toddlers. Students must put in 5 Hrs. Lab TBA for the semester. (CSU)

CFCS 230 (3 UNITS)**SCHOOL-AGE CHILD DEVELOPMENT****TERM HOURS: 54 LEC, 0 LAB**

A study of the developmental characteristics of the School-Age child from ages five to twelve, covering physical, cognitive, social and personality development. Developmental theories will be discussed, and the influences on the basic process will be explored. This course provides preparation for employment in child development programs, and public and private School-Age programs. (CSU)

CFCS 231 (3 UNITS)**SCHOOL-AGE CURRICULUM****TERM HOURS: 54 LEC, 0 LAB**

This course instructs students in designing a school-age program that meets the needs of children based on current theory and research. Emphasis will be on creating developmentally appropriate environments, curriculum planning, behavior management, health, safety and nutrition. (This course provides preparation for employment in child development programs, and public and private School-Age programs. (CSU)

CFCS 240 (3 UNITS)**UNDERSTANDING EXCEPTIONAL STUDENTS****TERM HOURS: 36 LEC, 36 LAB**

Recommended Preparation: CFCS 106/PSY 106 or PSYCH 101. A psychoeducational approach to the study of exceptional students including physical, mental, emotional, sensory, speech, and learning disabilities. Designed for parents, as well as for teachers and paraprofessionals working with exceptional children. Surveys of the entire exceptional spectrum from gifted to retarded through observation, participation and lecture. Students will learn how to develop teaching strategies for all the exceptions. (Same as DSPS 240) (CSU)

CFCS 260 (3 UNITS)**PRINCIPLES OF PARENTING****TERM HOURS: 54 LEC, 0 LAB**

This course is a study of the developmental tasks of parenting. It includes family dynamics, parenting skills, adjustment to new roles and family structures, values clarification and family communication. It is designed for parents, prospective parents and child care providers. (CSU)

CFCS 262 (3 UNITS)**MULTILINGUAL AND MULTICULTURAL CURRICULUM FOR YOUNG CHILDREN****TERM HOURS: 54 LEC, 0 LAB**

General introduction to life styles, values, and socioeconomic conditions of children from multilingual and multicultural families with special emphasis on ways in which these factors affect the teaching and learning process. Students are introduced to strategies, materials and resources designed to help them enhance the multilingual and multicultural experience of the children. (CSU)

COMMUNICATIONS**COMM 120 (3 UNITS)****INTRODUCTION VIDEO AND TV PRODUCTION****TERM HOURS: 36 LEC, 36 LAB**

Recommended Preparation: ENGL 100 The course provides entry-level training in the creation of television programming. Instruction covers programming, speaking skills, script writing, and critical thinking. Use of camcorder, editing equipment, and software. (CSU)

COMM 122 (3 UNITS)**INTERMEDIATE VIDEO AND TV PRODUCTION****TERM HOURS: 36 LEC, 36 LAB**

Recommended Preparation: Completion of COMM 120, ENGL 089, and ENGL 100 with a grade of "C" or better.

This course provides an advanced study in developing scripts, producing videos and post-production techniques. (CSU)

COMPUTER INFORMATION SYSTEMS**CIS 050 (1 UNITS)****ONLINE LEARNING - AN ORIENTATION****TERM HOURS: 9 LEC, 27 LAB**

This course presents the basics of taking a course through the Internet. It is designed to acquaint students with the skills required for success in an online course. Students will learn to navigate in an online environment, to communicate electronically with the instructor and other students, to submit course assignments and take

tests, and to perform other related skills. Hardware and software needs are addressed as well as characteristics of successful online learners. Students must have access to a computer that is connected to the Internet and must have an e-mail account. (Nontransferable/AA/AS Degree only)

CIS 100 (1 UNITS)**COMPUTER LITERACY****TERM HOURS: 18 LEC, 0 LAB**

A course designed for students with little or no experience with computers. The course includes a review of computer terminology, system components, and software applications typically used on a microcomputer system. In a hands-on environment, the student will learn basic operating system and user interface commands, basic features in a word processing program, and basic concepts for use of Internet resources. (CSU)

CIS 101 (3 UNITS)**INTRODUCTION TO INFORMATION SYSTEMS****TERM HOURS: 54 LEC, 0 LAB**

An introductory course designed to teach the basic understanding of computer information systems, survey computer hardware and software, and give the student hands-on experience on common business applications. (CSU, UC)

CIS 102 (1 UNITS)**COMPUTER APPLICATIONS LABORATORY****TERM HOURS: 0 LEC, 54 LAB**

Recommended Preparation: Concurrent enrollment in a course requiring computer support.

A hands-on lab class which supports those courses requiring computer completed assignments. The student may be involved using word processing, programming, integrated software programs or decision support applications. Maximum credit three units. (CSU)

CIS 104 (3 UNITS)**INTRODUCTION TO TELECOMMUNICATIONS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: CIS 101 An introduction to the concepts of telecommunications, data communications and networks. This course gives an overview of connectivity options for local and wide area networks including the Internet, common network protocols and the OSI model. Students learn how to access and utilize networked resources such as file servers, remote printers, e-mail, the Internet and networked applications. (CSU)

CIS 106 (3 UNITS)**PC MAINTENANCE, REPAIR, AND UPGRADING****TERM HOURS: 36 LEC, 36 LAB**

Recommended Preparation: CIS 101 and CIS 110.

A practical course in installing and upgrading common PC hardware, software and peripherals. The student learns computer troubleshooting and repair techniques; other topics include electrical principles, safety and customer relation skills. This course includes preparation in CompTIA A+ certification exam. (CSU)

CIS 107 (3 UNITS)**COMPUTER NETWORKING****TERM HOURS: 36 LEC, 36 LAB**

Recommended Preparation: CIS 101 and CIS 110.

A practical course in computer network support and administration. The student learns networking standards, architecture and hardware; other topics include TCP/IP, troubleshooting and security. This course includes preparation for the CompTIA Network+ certification exam. (CSU)

CIS 108 (3 UNITS)**COMPUTER ACCOUNTING****TERM HOURS: 36 LEC, 36 LAB**

Prerequisite: BUS 210 or BUS 010.

Recommended Preparation: CIS 101 A practical course in which students will have an opportunity to utilize computerized financial software that is currently being used in the business field. A "case study" will be completed by the students which will help them to gain computer skills. (CSU)

CIS 110 (1 UNITS)**WINDOWS OPERATING SYSTEM****TERM HOURS: 18 LEC, 0 LAB**

Designed to familiarize computer users with the Windows operating system environment that controls the computer. This course covers commands and menus used by Windows to do proper file management, customize the desktop interface, and use the Windows accessories. (CSU)

CIS 120 (1 UNITS)**MICROSOFT WORD I****TERM HOURS: 18 LEC, 0 LAB**

Hands-on practice with the Microsoft Word word processing software using a windows environment. The course is designed for beginners and will focus on document creation including multipage documents; basic editing and text enhancement; line and page formatting; cut, copy, and paste, spell check and thesaurus. (CSU)

CIS 121 (1 UNITS)**MICROSOFT WORD II****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: CIS 120 or CIS 101 Hands on practice with the Microsoft Word word processing software using a windows environment. The course is a continuation of CIS 120, Microsoft Word, and will focus on editing and formatting features including multiple windows and documents, managing files, tables, columns, merge, labels, sort, and graphics. (CSU)

CIS 122 (2 UNITS)**DESKTOP PUBLISHING****TERM HOURS: 36 LEC, 18 LAB**

Recommended Preparation: ART 110 and ART 160.

This course is designed to teach students the fundamentals of desktop publishing. (CSU)

CIS 124 (1 UNITS)**EXCEL I****TERM HOURS: 18 LEC, 0 LAB**

A beginning course in the creation and use of spreadsheet applications including templates, spreadsheets, and beginning graphic presentation. (CSU)

CIS 125 (1 UNITS)**EXCEL II****TERM HOURS: 18 LEC, 0 LAB**

A sequence to the CIS 124 course. The course develops expertise in worksheet applications, teaches use of graphic presentations, develops data base use and includes macros. (CSU)

CIS 128 (1 UNITS)**ACCESS****TERM HOURS: 18 LEC, 0 LAB**

A course designed to present the basic database concepts. The student will become acquainted with a windows based business database application and its implementation. (CSU)

CIS 130 (1 UNITS)**POWER POINT I****TERM HOURS: 18 LEC, 0 LAB**

A beginning course in PowerPoint including text formatting, slides, charts, slide shows, embedded and linked objects and hyperlinks. (CSU)

CIS 131 (1 UNITS)**POWER POINT II****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: CIS 130A continuation of CIS 130 that includes customizing presentations, enhancing charts, embedding objects, using multimedia and other advanced features. (CSU)

CIS 132 (1 UNITS)**FRONT PAGE I****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: CIS 120.

A beginning course in Web page design including using lists, hyperlinks, pictures, tables, frames, shared borders, themes, maintenance, and publishing. (CSU)

CIS 133 (1 UNITS)**FRONT PAGE II****TERM HOURS: 18 LEC, 0 LAB**

A continuation of CIS 132 that focuses on working with multimedia content in web pages, including adding web components, animation, video, and audio to a web page. (CSU)

CIS 134 (1 UNITS)**WEB PUBLISHING WITH DREAMWEAVER I****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: CIS 100 and/or CIS 120.

Emphasis on planning, designing and building professional quality Web pages. Introduction to creating basic Web pages and Web sites including text information and selection, use of tables, images and sounds to be placed into the Web site. Covers core objectives for industry certification. (Same as ART 134) (CSU)

CIS 135 (1 UNITS)**WEB PUBLISHING WITH DREAMWEAVER II****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 134.

A continuation of ART/CIS 134. Emphasis on designing and building professional quality Web pages and sites taking into account customers' needs. Advanced features of Web pages and Web sites including text formation, use of Cascading Style Sheets, use of color and color combinations, advanced use of tables, layers and placement of sounds and videos on Web pages. Development and use of rollovers, behaviors and automating repetitive tasks. Covers core objectives for industry certification. (Same as ART 135) (CSU)

CIS 136 (1 UNITS)**WEB PUBLISHING WITH DREAMWEAVER III****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 135.

A continuation of ART/CIS 135. Emphasis on designing and building professional quality Web pages and sites. Advanced Cascading Style Sheets (CSS). Creating Forms for visitor surveys, guestbooks, online shopping sites and other type of data collection. Basics of Scripts and Scripting languages such as JavaScript. Skills for managing your Web sites. Covers core objectives for industry certification. (Same as ART 136) (CSU)

CIS 146 (1 UNITS)**ADOBE PHOTOSHOP I****TERM HOURS: 18 LEC, 0 LAB**

Recommended preparation: CIS 100 and/or CIS 120.

A beginning course in Adobe Photoshop that includes an introduction to the basic working environment; basic photo corrections; retouching and repairing; working with selections; layer basics; and masks and channels. (Same as ART 146) (CSU)

CIS 147 (1 UNITS)**ADOBE PHOTOSHOP II****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 146.

A continuation of ART/CIS 146. The course includes correcting and enhancing digital photographs; advanced layer techniques; advanced compositing; and web publishing techniques. (Same as ART 147) (CSU)

CIS 148 (1 UNITS)**ADOBE PHOTOSHOP III****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: ART/CIS 147.

A continuation of ART/CIS 147. The student will create an integrated project that will simulate a real-world graphic design job, drawing on the skills learned in ART/CIS 146 and ART/CIS 147, including correcting, retouching, repairing, and enhancing photos; working with selections, layers, masks and channels; compositing; and web publishing techniques. (Same as ART 148) (CSU)

CIS 152 (1 UNITS)**CAMTASIA STUDIO****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: CIS 100 and/or CIS 120.

In the course the student will learn to create compelling interactive video tutorials, training, software demos and presentations. The student will learn to use full-motion video to record computer screen actions, webcam video and voice to produce professional-quality video presentations that may be distributed on the Internet, burn on CD-ROM or DVD-ROM and deliver in many popular file formats. (Same as ART 152) (CSU)

CIS 202 (3 UNITS)**PROGRAMMING IN VISUAL BASIC****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: CIS 101 This course introduces event driven computer programming using the Visual Basic Programming language. Topics include building an interface with objects, modular design, programming structures, working with files, and other related topics. (CSU, UC)

CIS 204 (3 UNITS)**PROGRAMMING IN C****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Knowledge of a computer programming language.

A course in programming using C. Syntax of the language will be emphasized. Operating systems, comparative programming languages, data structures, graphics, numerical analysis, programming methodology, and scientific and business applications will also be covered. (CSU, UC)

CIS 208 (3 UNITS)**PROGRAMMING IN JAVA****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: CIS 101 and knowledge of a computer programming language.

A course in programming using JAVA. Syntax of the language will be emphasized. Operating systems, comparative programming languages data, structures, graphics, numerical analysis; programming methodology, and specific and business applications will also be covered. (CSU, UC)

COMPUTER SCIENCE**CS 001 (1 UNITS)****ORIENTATION TO COMPUTER SCIENCE****TERM HOURS: 18 LEC, 0 LAB**

This is an orientation to the field of computer science. The course is intended to 1) provide students with an overview of professional opportunities available to those interested in computer science, 2) introduce students to computers and computer terminology including a summary of emerging concepts and applications in computer science, 3) orient students to computer science study skills and the computer science curriculum, and 4) introduce students to contemporary issues in computer science. Open to all students. Required for students seeking an A.S. in computer science, or a certificate in computer science at Imperial Valley College.

CS 210 (4 UNITS)**OBJECT ORIENTED PROGRAMMING USING JAVA****TERM HOURS: 54 LEC, 54 LAB**

Recommended Preparation: MATH 090 or equivalent, and CIS 202 or CIS 204 or CIS 208 or equivalent, with grades of "C" or higher.

The course covers object oriented programming concepts using the Java programming language. Concepts covered include inheritance, interfaces, polymorphism, graphical user interfaces, exception handling, multithreading, and data structures. Emphasis would be on learning through programming exercises. (Formerly CS 198)

CS 260 (4 UNITS)**DATA STRUCTURES USING JAVA****TERM HOURS: 54 LEC, 54 LAB**

Prerequisites: CS 210 or equivalent with grades of "C" or higher.

The course will cover data structures using the Java programming language. The data structures covered will include singly and doubly linked lists, regular and priority queues, stacks, trees, graphs, searching and sorting methods. The emphasis will be on learning through programming exercises. (CSU)

CS 280 (4 UNITS)**ASSEMBLY LANGUAGE AND MACHINE ORGANIZATION
TERM HOURS: 54 LEC, 54 LAB**

Prerequisites: CS 210 and MATH 090 or equivalent with grades of "C" or higher.

A course covering general concepts of internal organization of a computer, machine and assembly language. Topics include number system and data representation, primitive instructions and operations, program execution, addressing techniques, arrays, subroutines, macros, recursion, virtual memory, cache memory interrupt handling, and memory management. (CSU)

CORRECTIONAL SCIENCE**CSI 100 (3 UNITS)****INTRODUCTION TO CORRECTIONS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

A study and survey of the history, philosophy and trends of adult and juvenile corrections processes. The relationship between corrections and other components of the judicial system will be examined. (CSU)

CSI 102 (3 UNITS)**CONCEPTS OF CRIMINAL LAW****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 101 and ENGL 111 with a grade of "C" or better.

The course covers the historical development of law and constitutional provisions; definitions and the classification of crime 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 are presented. Crimes against persons, property, government, and organized crime are discussed. (Same as AJ 102) (CSU, UC)

CSI 104 (3 UNITS)**CONCEPTS OF PROBATION AND PAROLE****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL with a grade of "C" or better.

A survey of the historical development of probation and parole from early court procedures through modern practices with an emphasis on the operation of probation and parole agencies in California including such topics as probation and parole laws and procedures. (CSU)

CSI 106 (3 UNITS)**CORRECTIONAL INTERVIEWING AND COUNSELING****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

An overview of the techniques available to practitioners in Corrections in counseling and interviewing. The student will learn the use of appropriate techniques and theories in confidence building which may be used by the correctional employee in client interviews and counseling. A basic course for students planning to enter or already employed within the Correctional Science Field. (CSU)

CSI 108 (3 UNITS)**CONTROL AND SUPERVISION OF INMATES****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

An overview of supervision of inmates in the local, state and federal correctional institutions. The issues of control in a continuum from institutional daily living through crisis situations will be introduced and discussed. The course will emphasize the role played by the offender and the correctional worker. Introduces inmate subculture, violence and effects of crowding on inmates and staff, addresses coping techniques for correctional officers in a hostile prison environment while discussing causes and effects of abusive tactics. (CSU)

CSI 120 (3 UNITS)**PUBLIC SAFETY COMMUNICATIONS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 101 and ENGL 111 with a grade of "C" or better.

This is an introductory course dealing with all aspects of public safety communication. It will cover the techniques to effectively communicate facts, information, and ideas in a clear and logical manner for a variety of public safety systems reports, crime violations, incident reports, letters, memorandum, directives, and administrative reports. Emphasis on criminal justice terminology, use of English, and organization of information. Students will gain practical experience in note taking, interviewing, report writing, and presentation of testimony in courts. (Same as AJ 120) (CSU)

DISABLED STUDENT PROGRAMS AND SERVICES**DSPS 005 (1 UNITS)****RECREATION FOR SPECIAL GROUPS****TERM HOURS: 0 LEC, 36 LAB**

Intensive therapeutic recreation for severely disabled persons in the community. Through repetitive instruction, the student will develop individual and group skills in recreational activities modified for their developmental disabilities. Maximum credit four units. (Nontransferable, nondegree applicable)

DSPS 012 (1 UNITS)**ACADEMIC SUPPORT SERVICES****TERM HOURS: 0 LEC, 36 LAB**

This course is designed to provide academic support services to the disabled students who are taking classes in the areas of natural science and math; behavioral and social sciences; humanities, fine arts and foreign language; English and speech; and vocational-occupational programs. In addition, the course is designed to assist students in developing their basic skills. Maximum credit sixteen units. (Nontransferable, nondegree applicable)

DSPS 018 (0.5 UNITS)**EDUCATIONAL ASSESSMENT AND EVALUATION****TERM HOURS: 0 LEC, 162 LAB**

Recommended Preparation: Must be enrolled in at least one academic or vocational class.

This course is designed specifically to assist the learning disabled student who has the potential to succeed in a community college by assessing, interpreting, and diagnosing his/her learning strengths and weaknesses for the purpose of identifying learning disabilities. Guidelines mandated by the California Community College system will be utilized to determine eligibility for learning disabilities services and accommodations. Upon completion of this course, students will be better prepared to assert their needs and practice coping strategies pertinent to their unique situation. (Nontransferable, nondegree applicable)

DSPS 020 (3 UNITS)**MATH FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 54 LEC, 0 LAB**

This course will teach adults with Learning Differences to understand the number system used in the United States and to solve problems involving addition and subtraction of whole numbers. Emphasis will be placed on reading and writing whole numbers of all amounts, writing words for whole numbers, demonstrating an understanding of place value, and using addition and subtraction of whole numbers to solve simple, everyday-type problems. (Non-transferable, nondegree applicable)

DSPS 022 (3 UNITS)**MATH FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: DSPS 020.

This course will teach adults with Learning Differences to solve problems involving multiplication of whole numbers and division of whole numbers. (Nontransferable, nondegree applicable)

DSPS 024 (3 UNITS)**MATH FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: DSPS 50B.

This course will teach adults with Learning Differences to solve problems involving addition, subtraction, multiplication, and division of fractions. (Nontransferable, nondegree applicable)

DSPS 026 (3 UNITS)**MATH FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: DSPS 024.

This course will teach adults with Learning Differences to solve problems involving decimals and percents. (Nontransferable, nondegree applicable)

DSPS 030 (4 UNITS)**READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 72 LEC, 18 LAB**

Prerequisite: Need for basic instruction based on placement tests and individual interview.

This course will teach adults with learning differences to read and to spell phonetically regular words in the context of written sentences with an emphasis on one- and two-syllable words having only short vowels, 40 sight words and the spelling rule dealing with doubling the final consonant in one-syllable words. (Nontransferable, nondegree applicable)

DSPS 032 (4 UNITS)**READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 72 LEC, 18 LAB**

This course is a continuation of DSPS 030 with an emphasis on one-syllable words with a silent final e, words with diagraphs, 50 sight words, two-syllable words with short vowels and vowel-consonant-e syllables, and two-syllable words with the first syllable open and the second syllable having a short vowel or vowel-consonant-e. (Nontransferable, nondegree applicable)

DSPS 034 (4 UNITS)**READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 72 LEC, 18 LAB**

This course is a continuation of DSPS 032 with an emphasis on various sounds of consonants, diphthongs, and various suffixes. (Nontransferable, nondegree applicable)

DSPS 036 (4 UNITS)**READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES****TERM HOURS: 72 LEC, 18 LAB**

This course is a continuation of DSPS 034 with an emphasis on contractions, silent consonants, various spellings of vowel and consonant sounds, and spelling rules dealing with adding suffixes to any word. (Nontransferable, nondegree applicable)

DSPS 040 (2 UNITS)**TACTILE ART FOR THE DISABLED****TERM HOURS: 0 LEC, 72 LAB**

This course is designed to enrich the aesthetic experience of the disabled. Students will explore various art media and methods. Maximum credit eight units. (Nontransferable, nondegree applicable)

DSPS 044 (2 UNITS)**CURRENT ISSUES****TERM HOURS: 36 LEC, 0 LAB**

This course develops a set of skills that will improve the ability to comprehend, analyze and apply conversational techniques to current issues. Maximum credit eight units. (Nontransferable, nondegree applicable)

DSPS 050 (1 UNITS)**ADAPTED KEYBOARDING****TERM HOURS: 0 LEC, 18 LAB**

Prerequisite: A student must be eligible for services and instruction from the Disabled Student Programs and Services through appropriate verification of a primary disability by certificated personnel and be able to benefit from the programs and services offered by the High Tech Center.

This course is designed to teach keyboarding basics to disabled students who must use adaptive learning technologies for successful access to computer hardware and software used for other mainstream basic skills support courses. (Nontransferable, nondegree applicable)

DSPS 052 (0.5 UNITS)**COMPUTER ACCESS EVALUATION****TERM HOURS: 0 LEC, 18 LAB**

Prerequisite: A student must be eligible for services and instruction from the Disabled Student Programs and Services through appropriate verification of a primary disability by certificated personnel and be able to benefit from the programs and services offered by the High Tech Center. This course is designed to help students with a disability or multiple disabilities, to understand their computer usage capabilities and to determine, through an instructor evaluation, the appropriate hardware and software. (Nontransferable, nondegree applicable)

DSPS 054 (1 UNITS)**COMPUTER ACCESS I****TERM HOURS: 0 LEC, 36 LAB**

Prerequisite: A student must be eligible for services and instruction from the Disabled Student Programs and Services through appropriate verification of a primary disability by certificated personnel and be able to benefit from the programs and services offered by the High Tech Center. DSPS 036 is required if a student does not have adequate typing skills.

Designed for students with visual, physical, language impairment, learning disabilities or deafness. This course provides training in the use of computer access technologies which enhance a disabled student's ability to access and use PC's which are used for other basic skills support courses. (Nontransferable, nondegree applicable).

DSPS 056 (2 UNITS)**COMPUTER ACCESS II****TERM HOURS: 18 LEC, 36 LAB**

Prerequisite: A student must be eligible for services and instruction from the Disabled Student Programs and Services through appropriate verification of a primary disability by certificated personnel and be able to benefit from the programs and services offered by the High Tech Center.

This course is designed for disabled students who have successfully completed Computer Access I (DSPS 054). Students will enhance their computer access skills through the completion of assignments and/or projects. This will allow them to use PC's in other basic skills support courses. (Nontransferable, nondegree applicable)

DSPS 058 (3 UNITS)**COMPUTER ACCESS PROJECTS****TERM HOURS: 0 LEC, 72 LAB**

Prerequisite: A student must be eligible for services and instruction from the Disabled Student Programs and Services through appropriate verification of a primary disability by certificated personnel and be able to benefit from the programs and services offered by the High Tech Center. Instructor permission is required.

The course is designed for students with a disability who require access to specialized adaptive technologies in order to complete assignments for other classes in which they are concurrently enrolled. (Nontransferable, nondegree applicable)

DSPS 240 (3 UNITS)**UNDERSTANDING EXCEPTIONAL STUDENTS****TERM HOURS: 36 LEC, 36 LAB**

Recommended Preparation: CFCS 106/PSY 106 or PSY 101.

A psychoeducational approach to the study of exceptional students including physical, mental, emotional, sensory, speech, and learning disabilities. Designed for parents, as well as for teachers and paraprofessionals working with exceptional students. Surveys the entire exceptional spectrum through observation, participation and lecture. Students will learn how to develop teaching strategies for all the exceptions. (Same as CFCS 240) (CSU)

DSPS 242 (2 UNITS)**PRACTICUM EXPERIENCE TO WORK WITH THE DISABLED PERSON****TERM HOURS: 18 LEC, 54 LAB**

Recommended Preparation: DSPS 240 and PSY 101.

A course designed to extend the experience of Rehabilitation Technician majors who wish to explore a specific area of contact with disabled individuals. Experience may be gained on the college campus or in the field with deaf, blind, or orthopedically handicapped individuals. Maximum credit four units. (CSU)

DSPS 250 (3 UNITS)**WORKING WITH AUTISTIC CHILDREN****TERM HOURS: 54 LEC, 0 LAB**

This course is designed to instruct direct care workers about autism, and introduce students to various treatment methods used with children who have autism. Students will learn what autism is, treatment methods used with these students and how to integrate children with autism into a setting with typically developing children. (CSU)

ECONOMICS**ECON 101 (3 UNITS)****INTRODUCTION TO MICRO ECONOMICS****TERM HOURS: 54 LEC, 0 LAB**

An introduction to economic concepts and the principles of economic analysis. Emphasis on economic institutions, issues of public policy, and microanalysis in the direction of production and the allocation of resources through the price-system. (CSU, UC) (CAN ECON 4)

ECON 102 (3 UNITS)**INTRODUCTION TO MACRO ECONOMICS****TERM HOURS: 54 LEC, 0 LAB**

An introduction to economic concepts and the principles of economic analysis. Emphasis on economic institutions, issues of public policy, and macroanalysis in gross domestic product, money and banking, international business, and economic stabilization. (CSU, UC) (CAN ECON 2)

EDUCATION**EDUC 202 (1 UNITS)****TUTOR TRAINING****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: Successful completion of 12 college units with a "2.5" grade point average or better.

This course is designed to prepare college-level persons to tutor adult/college students. Introduction to adult learners, tutoring methods, use of appropriate written and mediated instructional materials, and supervised practice tutoring are included in this course. (CSU)

ELECTRICAL TRADES**ELTT 101 (4 UNITS)****ELECTRICAL TRADES I****TERM HOURS: 54 LEC, 54 LAB**

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job skills. (Same as APEL 101, APGN 101, APLN 101, APMT 101, APRL 101, APSB 101, and APSC 101) (Nontransferable, nondegree applicable)

ELTT 102 (4 UNITS)**ELECTRICAL TRADES II****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: ELTT 101 - Electrical Trades I.

Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APEL 102, APGN 102, APLN 102, APMT 102, APRL 102, APSB 102 and ABSC 102) (Nontransferable, nondegree applicable)

ELTT 103 (4 UNITS)**ELECTRICAL TRADES III****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: ELTT 102 - Electrical Trades II.

An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APEL 103, APGN 103, APLN 103, APMT 103, APRL 103, APSB 103, and APSC 103)(Non-transferable, nondegree applicable)

ELTT 104 (4 UNITS)**ELECTRICAL TRADES IV****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: ELTT 103 - Electrical Trades III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APEL 104, APGN 104, APLN 104, APMT 104, APRL 104, APSB 104 and APSC 104) (Nontransferable, nondegree applicable)

ELECTRICAL WIRING**EWIR 110 (4 UNITS)****ELECTRICAL PRINCIPLES****TERM HOURS: 36 LEC, 108 LAB**

This course provides the electrical student with instruction in the basic principles of electrical safety. Instruction will include an introduction to electrical theory and test equipment, the use of NEC boxes, fittings and conductors, and the interpretation of related electrical blueprints and commercial/industrial/residential symbols, diagrams, and schematics used for wiring. Electrical principles of residential wiring will be the focus of instruction. (Nontransferable, AA/AS degree only)

EWIR 115 (4 UNITS)**ELECTRICAL WIRING AND PROTECTION****TERM HOURS: 36 LEC, 108 LAB**

Recommended Preparation: EWIR 110.

This course covers wiring installation and connection for conductor termination and splices; use of cable pulling instruments and NEMA and NEC standards for cable tray; installation of electrical service and electrical protection components and equipment; use of material take-off methods and troubleshooting techniques; identification of ratings for current breakers and fuses; regulations for sizing use and installation of relay switches, conductors and overrides; and application. (Nontransferable, AA/AS degree only)

EWIR 125 (4 UNITS)**ELECTRICAL FEEDER SERVICE AND CIRCUITS****TERM HOURS: 36 LEC, 108 LAB**

Recommended Preparation: EWIR 115.

This course includes instruction in feeder service and branch load calculations for circuits and electrical appliances; introduction to and identification of electrical constructors; devices used for over-protection of loads, currents, circuits and fuses; fill requirements for boxes/raceways; principles of wiring devices, switches and receptacles and their locations; requirements for distribution equipment; settings for voltage, switch gear, circuits, and components; distribution system transformers and their characteristics; types of components; NEC requirements; methods for locating and troubleshooting problems. (Nontransferable, AA/AS degree only)

EWIR 135 (4 UNITS)**ELECTRICAL EQUIPMENT AND SPECIAL CONDITIONS****TERM HOURS: 36 LEC, 108 LAB**

Recommended Preparation: EWIR 125.

This course provides the electrical worker with instruction in basic lighting and NEC requirements for lighting fixtures for indoor and outdoor use; an introduction to motor basics, calculations, transformers, instruments for testing, wiring, protection, maintenance, and troubleshooting for various types of motors and motor controls; introduction to heating, ventilation, and air-conditioning (HVAC) systems, system maintenance equipment, and safety requirements for varied locations; principles of combustion, hazardous materials and their reactions in varied locations; and the use of safety equipment. (Nontransferable, AA/AS degree only)

ELECTRONICS**ELTR 120 (4 UNITS)****ELECTRONIC DEVICES****TERM HOURS: 54 LEC, 54 LAB**

Recommended Preparation: MATH 080An introduction to the study of electricity and electronics. Basic theories of the physical phenomena involved in circuitry-related devices and measurement instruments. (CSU)

ELTR 140 (4 UNITS)**ELECTRONIC CIRCUITS AND SEMICONDUCTORS****TERM HOURS: 54 LEC, 54 LAB**

Recommended Preparation: ELTR 120.

A continuation of ELTRN 120. Topics will include: semiconductor devices, amplifiers, and solid state components. (CSU)

ELTR 220 (3 UNITS)**DIGITAL INSTRUMENTATION MEASUREMENTS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: ELTR 140 Advanced concepts in electronics. Topics will include: additional devices included in circuits, instrumentation, various system designs, successive "generations." (CSU)

ELTR 240 (3 UNITS)**DIGITAL LOGIC CIRCUITS****TERM HOURS: 36 LEC, 54 LAB**

Recommended Preparation: ELTR 220 A continuation of ELTR 220. The advanced study of applied digital electronic systems such as those found in computing, audiovisual, and other electromechanical equipment. (CSU)

EMERGENCY MEDICAL TECHNICIAN PARAMEDIC

EMTP 200 (9 UNITS)**EMT-PARAMEDIC DIDACTIC 1****TERM HOURS: 144 LEC, 54 LAB**

Recommended Preparation: AHP 100.

Corequisites: BIOL 090.

Prerequisites: Current certification as an EMT I, EMT II or certification within previous 12 months or current RN license. High school graduate or successful completion of GED. One year field experience as an EMT I or 1 year as ER RN. Successful completion of application process. Acceptance into program by EMT Training Coordinator and EMT Training Medical Director. Pass, by pre-established score on English and math proficiency exam. Current CPR certification. Pass EMT proficiency with score of 80% or better.

This course is the first phase of training to instruct professional public safety personnel in the skill of the administration of pre-hospital advanced life support. The course will teach the student roles and responsibilities, the EMS system, medical-legalities, EMS communication, rescue techniques, hazardous materials management, mass casualty and stress of the EMS provider. This course will cover medical terminology, patient assessment, airway and ventilation, shock, pathophysiology, signs/systems, paramedic treatments including skills available to the paramedic. Obstetrical/Gynecological emergencies will be included. Behavioral emergencies and how the ALS provider can deal with them are included. The course is an intensive one, requiring the student's total dedication for successful completion of the course. The student must realize that more than usual study and TBA requirements must be met throughout the program. (CSU)

EMTP 210 (9 UNITS)**EMT - PARAMEDIC DIDACTIC 2****TERM HOURS: 144 LEC, 54 LAB**

Prerequisites: Successful completion of EMTP 200. Successful completion of all other requirements for entrance into the paramedic program. Approval of IVC's EMS Training Coordinator and IVC's EMS Training Medical Director.

Recommended Preparation: NURS 214.

This course is designed to allow progression of the paramedic student in advanced didactic and skills training, and progression towards eligibility to become certified as a paramedic in the state of California. This course will teach the student to understand all aspects of medical emergencies, including respiratory, cardiovascular, endocrine, and nervous system emergencies. Acute abdomen, genitourinary, and reproductive system emergencies, as well as, anaphylaxis, toxicology, alcoholism and drug abuse, infectious diseases, environmental injuries and geriatric emergencies will be included. Emergency care of the pediatric patient will be covered. Anatomy and physiology, pathophysiology, signs/symptoms and pre-hospital advanced life support, paramedic treatment will be included. The paramedic student must realize that more than usual study requirements must be met for successful completion of this course. (CSU)

EMTP 215 (5 UNITS)**EMT - PARAMEDIC DIDACTIC 3****TERM HOURS: 72 LEC, 54 LAB**

Prerequisites: Successful completion of EMTP 200 and EMTP 210; and successful completion of all other requirements for entrance into and/or continuation in the IVC paramedic program; and approval of the IVC Paramedic Program Director and IVC Paramedic Program Medical Director.

This course is the third phase of training to prepare individuals to render prehospital advanced life support within an organized EMS system based on course content that is equivalent to the U.S. Department of Transportation (DOT) Emergency Medical Technician-Paramedic National Standard Curriculum HS 808 862 March 1999. This course is designed to allow progression of the paramedic student in advanced didactic and skills training. This course will cover assessment-based management, all aspects of operations, including: ambulance operations, medical incident command (SEMS-ICS), rescue awareness and operations, desert rescue, hazardous materials, crime scene awareness, rural EMS, bioterrorism and weapons of mass destruction. Included in this course will be the American Heart Association Advanced Cardiac Life Support (ACLS) Course, as well as paramedic treatments and skills associated with the above core content. This course is an intense one, requiring the student's total dedication for successful completion. The student must realize that more than usual study and TBA requirements must be met throughout the program. This program is accredited by CAAHEP. (CSU)

EMTP 225 (3.5 UNITS)**EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC
CLINICAL I****TERM HOURS: 0 LEC, 189 LAB**

Prerequisite(s): 1. Successful completion of EMTP 200, EMTP 210, EMTP 215; and, 2. Successful completion of all other requirements for entrance into and/or continuation in the IVC paramedic program; and, 3. Approval of the IVC Paramedic Program Director and IVC Paramedic Program Medical Director.

This course is the clinical hospital phase of training to prepare individuals to render prehospital advanced life support within an organized EMS system based on course content that is equivalent to the U.S. Department of Transportation (DOT) Emergency Medical Technician-Paramedic National Standard Curriculum HS 808 862 March 1999. This course is designed to allow progression of the paramedic student intern in advanced didactic and skills training, and enables the paramedic student intern to put all didactic and skills training together within the hospital setting. This course will cover all aspects of medical and traumatic emergencies, enabling the student intern to perform total patient assessment and care under the supervision of a licensed registered nurse, physician assistant or physician approved by the Local EMS Authority. Instruction and supervised practice at the paramedic level will be performed in the critical care unit, the emergency department, the labor department, newborn nursery, pediatric unit and the operating room. This phase of clinical internship provides the student intern with a progression to total patient care responsibilities, using all assessment skills, communication skills, all advanced life support equipment, medications, procedures and paramedic skills acquired through didactic and skills labs. The hospital practice shall not be limited to the development of practical skills alone, but shall include knowledge and techniques regarding overall administration of advanced life support treatment in the clinical hospital setting. This course is an intense one, requiring the student intern's total dedication for successful completion. The student intern must realize that more than usual study and TBA requirements must be met throughout the program. This program is accredited by the CAAHEP. (CSU)

**EMTP 235 (6.5 UNITS)
EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC
FIELD I**

TERM HOURS: 0 LEC, 351 LAB

Prerequisite(s): 1. Successful completion of EMTP 200, EMTP 210, EMTP 215, EMTP 225 (or EMTP 220/EMTP 230); and, 2. successful completion of all other requirements for entrance into and/or continuation in the IVC paramedic program; and, 3. approval of the IVC Paramedic Program Director and IVC Paramedic Program Medical Director; and, 4. Student Intern may enter/re-enter EMTP 235 up to 1 year after completion of the previous prerequisites with prior mutual agreement between the IVC Program Director, IVC Medical Director and the Student Intern; and completion of any required remedial training.

This course is the first phase of field internship training to prepare individuals to render pre-hospital advanced life support within an organized EMS system based on course content that is equivalent to the U.S. Department of Transportation (DOT) Emergency Medical Technician-Paramedic National Standard Curriculum HS 808 862 March 1999. This course is designed to allow progression of the paramedic student in advanced skills training and didactic knowledge within the pre-hospital setting. This course will cover all aspects of medical and traumatic emergencies, enabling the student intern to perform total patient assessment and care under the supervision of a licensed paramedic approved by the Local EMS Authority, on an Advanced Life Support vehicle.

This phase of field internship provides the student intern with a progression of increasing patient care responsibilities which proceeds from observation, to working as a team member to working as the team leader. After progressing through record keeping and participation in actual patient care, the student shall ultimately function as the patient care leader. This course is an intense one, requiring the student intern's total dedication for successful completion. In addition to scheduled field time, the student must complete 30 advanced life support contacts as defined in the California Code of Regulations, Title 22, Div. 9. The student intern must realize that more than usual study and TBA requirements must be met throughout the program. This program is accredited by the CAAHEP. (CSU)

**EMTP 245 (5.5 UNITS)
EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC
FIELD II**

TERM HOURS: 297 LAB

Prerequisite(s): 1. Successful completion of EMTP 200, EMTP 210, EMTP 215, EMTP 225, and EMTP 235; and, 2. Successful completion of all other requirements for entrance into and/or continuation in the IVC paramedic program; and, 3. Approval of the IVC Paramedic Program Director and IVC Paramedic Program Medical Director. 4. Student Intern may enter/re-enter EMTP 245 up to one year after completion of the previous prerequisites with prior mutual agreement between the IVC program director, IVC medical director and the student intern; and completion of any required remedial training. 5. Student intern may petition for exemption from this course providing: a. Student intern is currently certified as an EMT-II with a minimum of 1 year experience. b. Student intern demonstrates completion of an EMT-II program with training and training hours equivalent to IVC's EMT-II program. c. Student intern completes all other paramedic training program requirements. d. Student intern has approval of the IVC program director and IVC medical director. e. Student intern successfully completes EMT-II proficiency exam.

This course is the second phase of field internship training, and the final segment of the paramedic program, to prepare individuals to render prehospital advanced life support within an organized EMS system based on course content that is equivalent to the U.S. Department of Transportation (DOT) Emergency Medical Technician-Paramedic National Standard Curriculum HS 808 862 March 1999.

This course is designed to allow progression of the paramedic student intern in advanced skills training and didactic knowledge within the pre-hospital setting. This course will cover all aspects of medical and traumatic emergencies, enabling the student intern to perform total patient assessment and care under the supervision of a licensed paramedic approved by the Local EMS Authority, on an Advanced Life Support vehicle. This phase of field internship provides the student intern with a progression to total patient care responsibilities, using all assessment skills, communication skills, all advanced life support equipment, medications, procedures and paramedic skills acquired through previous phases of the training program. The student intern will function as an entry-level paramedic at the completion of this training. This course is an intense one, requiring the student intern's total dedication for successful completion. In addition to scheduled field time, the student must complete an additional 10 advanced life support contacts, for a total of 40 or more, as defined in the California Code of Regulations, Title 22, Division 9. The student intern must realize that more than usual study and TBA requirements must be met throughout the program. This program is accredited by the CAAHEP. (CSU)

EMERGENCY MEDICAL TECHNICIAN

EMT 010 (1 UNITS)

EMT TRANSITIONAL PROGRAM

TERM HOURS: 18 LEC, 9 LAB

Prerequisite: Current EMT certification.

This course provides a format for the presentation of assessment-based patient care and interventions. Recognizing the knowledge base of existing EMT's, this course provides the transitional material needed to gain a functional understanding of an assessment-based approach to patient care as well as the interventions added to the EMT scope of practice. (Nontransferable, nondegree applicable)

EMT 105 (7.5 UNITS)

EMERGENCY MEDICAL TECHNICIAN I

TERM HOURS: 117 LEC, 54 LAB

A course designed for individuals who will come in contact with victims of illness or injury primarily in an emergency, pre-hospital environment. This course would be of value to all emergency service personnel, including ambulance personnel, law enforcement, fire services, hospital emergency department, and other rescue personnel. Topics will include roles and responsibilities, evaluation and treatment of illness and injury. Procedures for dealing with life threatening emergencies are presented. The student will be able to gain a functional understanding of assessment-based approaches to patient care as well as the interventions added to the EMT I scope of practice. Hazardous Material training and semi-automatic defibrillation training are included. This course is approved by the Imperial County Emergency Medical Services Agency and is within the training guidelines of California Code of Regulations and the California Fire Service Training and Education Systems (CFSTES). Successful completion will result in eligibility for certification as an EMT I and EMT D. Successful completion will also result in a Training Institute (CSTI) through the Office of Emergency Services (OES). This is one of six courses required for an associate degree in Fire Technology and one of six courses toward eligibility for a Fire Fighter I certificate. (Same as FIRE 105) (CSU)

**EMT 106 (0.5 UNITS)
EMERGENCY MEDICAL TECHNICIAN 1 -
DEFIBRILLATION**

TERM HOURS: 9 LEC, 0 LAB

Prerequisites: Must possess a current EMT I certification, be eligible for EMT I certification, or be currently enrolled in an EMT I course that is approved by the Imperial County Emergency Medical Services Agency. A course developed to train the EMT I in the skill of proper use of a semi-automatic defibrillator on those persons that fall victim to cardiac arrest and demonstrate a cardiac monitor pattern of ventricular fibrillation or ventricular tachycardia. This course will teach the EMT I how and when to use the semi-automatic defibrillator in any given field situation that meets the criteria set forth in California Code of Regulations and in the Imperial County Emergency Medical Services Policies and Procedures. (CSU)

**EMT 107 (2 UNITS)
EMERGENCY MEDICAL TECHNICIAN 1 - REFRESHER
TERM HOURS: 36 LEC, 0 LAB**

Prerequisites: Current EMT I certification or have possessed an EMT I certification within the past 4 years. A course designed to fulfill the California EMT I refresher course requirements for a two year period. This course will review basic life support topics and procedures to include cardiopulmonary resuscitation training. Topics specific to Imperial County will be presented, as well as changes in policies and procedures. Updated and new materials will be included. Successful completion of this course will satisfy continuing education requirements for the EMT I and will enable the EMT I to be eligible for recertification in the state of California. This course is approved by the Imperial County Emergency Medical Services Agency and is within the training guidelines of the California Code of Regulations and the California Fire Service Training and Education Systems (CFSTES). (Same as FIRE 107) (CSU)

ENGINEERING

**ENGR 210 (3 UNITS)
STATICS**

TERM HOURS: 54 LEC, 0 LAB

Prerequisites: PHYS 200 with a grade of "C" or higher, and credit or concurrent enrollment in MATH 194.

Force systems, equilibrium, structures, distributed forces, friction, virtual work, moments of inertia, vector algebra. (CSU, UC)

**ENGR 212 (3 UNITS)
DYNAMICS**

TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGR 210 with a grade of "C" or better, and credit or concurrent enrollment in MATH 194.

Kinetics of a particle; central force motion; systems of particles; work and energy; impulse and momentum; moments and products of inertia; Euler's equations of motion; vibration and time response; engineering applications. (CSU, UC)

**ENGR 240 (3 UNITS)
ELECTRIC CIRCUIT ANALYSIS**

TERM HOURS: 54 LEC, 0 LAB

Prerequisites: MATH 194 and PHYS 202 with grades of "C" or better.

Circuit analysis by reduction methods, source transformations, mesh and nodal analysis. Operational amplifier model, transient analysis, alternating current circuits, impedance, power, phasor diagrams, and three-phase balanced networks. (CSU, UC)

ENGLISH

Prerequisites for English and ESL Classes

The student may meet the prerequisite requirement for English and ESL classes in the following manner, with the following conditions:

1. Earn the appropriate score for the course on the assessment test for that area; OR
2. Earn a grade or "C" or higher for the previous course in the sequence of course for that area; i.e., ESL, Reading, or Writing. Conditions: High school grades may be considered for preliminary placement until assessment tests scores are available.

Students may use the end-of the semester assessment in Reading to earn a score high enough to skip one level or more when advancing in the Reading Sequence. Students may re-take the holistically-scored essay to skip to a higher level in the Writing Sequence. ESL students should consult the ESL Coordinator for information about the end of the semester assessment as a means for advancing in the sequence of ESL courses.

Note: End of the semester assessment test scores (also called "placement" and "re-placement" tests) DO NOT allow a student to advance in the ESL, Reading, or Writing sequence of courses when a "D" or an "F" has been earned, in which case the student must repeat the unsuccessful course.

Students disagreeing with their placement standing as indicated by the assessment test score for ESL, Reading, or Writing may challenge their placement status through the Credit-by-Examination process, taking a comprehensive test over the course that serves as the prerequisite. (See Credit-by-Exam in the IVC General Catalog.) Upon passing the comprehensive examination, the student will have earned credit for the course in question, thereby satisfying the prerequisite.

**ENGL 040 (5 UNITS)
COMMUNICATION SKILLS FOR HEALTHCARE
PROFESSIONALS**

TERM HOURS: 90 LEC, 0 LAB

Recommended preparation: Completion of intermediate level of ESL, including ENGL 093, ENGL 074 and ENGL 064, or higher, or appropriate placement.

ENGL 040 is a communications and nursing career development course in an English-only environment. The class is designed for students of high-intermediate ability who are licensed nurses outside the U.S. and have been admitted to the Program for International Nurses in the IVC Nursing Division. (Nontransferable, nondegree applicable)

**ENGL 050 (1 UNITS)
LANGUAGE LABORATORY
TERM HOURS: 0 LEC, 36 LAB**

English 050 is a self-paced three semester course which provides individualized interactive conversational English practice with appropriate software programs in the language laboratory. Students practice listening comprehension, vocabulary, pronunciation, and sentence development through interactive activities appropriate to their proficiency levels. This course is a recommended supplement for all levels of ESL. Maximum credit three units. (Non-transferable, nondegree applicable)

ENGL 051 (1 UNITS)**INDIVIDUALIZED WRITING SKILLS****TERM HOURS: 0 LEC, 36 LAB**

Recommended Preparation: Eligibility for ENGL 093, ENGL 084, or higher by means of the ESL, the reading test, or holistic essay placement exam.

This is a course designed to provide supplemental work for students in regular writing classes or for independent study. A certificated instructor diagnoses writing deficiencies and prescribes remediation. Individual assignments are given for improving problem areas in grammar, usage, rhetorical skills, and to eliminate non-English language interference. The course is designed to assist students in any course(s) requiring writing skills. The 36 required hours will be set by arrangement with the student and must be undertaken in the Reading/Writing Lab. Students must check in at the Writing Lab during the first two weeks of class. Maximum credit four units. (Nontransferable, nondegree applicable)

ENGL 052 (1 UNITS)**INDIVIDUALIZED READING SKILLS****TERM HOURS: 0 LEC, 36 LAB**

Recommended Preparation: Eligibility for ENGL 093, ENGL 084, or higher by means of the ESL, the reading test, or holistic essay placement exam.

Students wishing to improve their reading skills independently may enroll in this one unit, individualized course. The lab instructor provides assignments leading to improvement in vocabulary skills, comprehension skills, and computer-assisted reading speed improvement. Students must check in at the Reading Lab during the first two weeks of class. Maximum credit four units. (Nontransferable, nondegree applicable)

ENGL 053 (1 UNITS)**LIBRARY RESOURCES AND RESEARCH PAPER****TERM HOURS: 18 LEC, 0 LAB**

Recommended Preparation: Eligibility for ENGL 098 and ENGL 088. Use of library facilities, especially the card catalog, reference books, indexes to periodicals, and computer databases as a basis for research in any field. Techniques of preparation for a research paper with a bibliography are included. Discussion of various style guides will take place. Students may use this course to assist them in writing a research (term) paper for other courses. Helpful to an individual from the community who wishes to use the library to keep up to date on the latest developments and to compile a bibliography in an area(s) of interest. (Nontransferable, nondegree applicable)

ENGL 059 (3 UNITS)**GRAMMAR AND USAGE REVIEW****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Eligibility for ENGL 098.

Review of traditional/structural grammar; review of usage rules regarding punctuation, mechanics, capitalization; review of spelling rules; practice with summary/report writing done by the student. (Nontransferable, nondegree applicable)

ENGL 060 (3 UNITS)**PRACTICAL ENGLISH FOR THE WORKPLACE****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Appropriate ESL placement recommendation and/or completion of ENGL 093.

Multi-level, multi-content (such as employability skills, workplace survival skills, and workplace social skills) instruction in English as a Second Language for students wanting to have careers in vocational areas, such as Automotive Technologies, Office Technologies and Early Childhood Education. The course emphasizes the vocabulary and grammar of English within the context of the workplace. Maximum credit six units. (Nontransferable, nondegree applicable)

ENGL 062 (3 UNITS)**BEGINNING ORAL ENGLISH FOR ESL****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Concurrent enrollment in ENGL 091 and ENGL 072.

English 062 is a grammar-based conversation class in an English-only environment, for the beginning or false beginning ESL student. Listening and speaking skills will be developed through basic dialogs, modeled tasks and communicative activities. (Nontransferable, nondegree applicable)

ENGL 063 (3 UNITS)**LOW INTERMEDIATE ORAL ENGLISH FOR ESL****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 062 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 092 and ENGL 073. English 063 is a grammar-based conversation course in an English-only environment, designed for the low intermediate ESL student. Using spoken English, students will create dialogs and brief summaries of various topics and readings. Emphasis is on using situationally appropriate and grammatically correct language. (Nontransferable, nondegree applicable)

ENGL 064 (3 UNITS)**INTERMEDIATE ORAL ENGLISH FOR ESL****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 063 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 074, ENGL 084 and ENGL 093.

English 064 is a grammar-based conversation class in an English-only environment, designed for the intermediate ESL student. Students will further develop listening comprehension and will increase fluency, accuracy and confidence in oral production. (Nontransferable, nondegree applicable)

ENGL 065 (3 UNITS)**HIGH INTERMEDIATE ORAL ENGLISH FOR ESL****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 064 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 075, ENGL 085 and ENGL 094.

English 065 is a grammar-based conversation class in an English-only environment, designed for the high intermediate ESL student. Students will demonstrate greater fluency, accuracy and confidence in oral production through participation in discussions and dialogs based on various readings and topics. (Nontransferable, nondegree applicable)

ENGL 066 (3 UNITS)**ADVANCED PUBLIC SPEAKING FOR BILINGUALS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ENGL 065 This course is designed to bring ENGL 065 bilingual students to a near-native level of fluency and listening comprehension so that they may successfully compete with native speakers. Students will prepare, present and evaluate activities such as speeches, oral interpretations, interviews, reports, debates, and simulation games. Emphasis will be given to use of the library to provide appropriate material for topics of academic and community significance. Recommended for students concurrently enrolled in ENGL 098/100, and ENGL 088/089. (This course may be taken as a preparation, but not as a substitute for SPCH 100.) (Nontransferable, nondegree applicable)

ENGL 071 (1 UNITS)**SPELLING****TERM HOURS: 18 LEC, 0 LAB**

Diagnosis of specific spelling problems and prescription of remedies; investigation of the basic spelling rules. Maximum credit two units. (Nontransferable, nondegree applicable)

ENGL 072 (3 UNITS)**BEGINNING READING AND VOCABULARY FOR ESL I****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Concurrent enrollment in ENGL 091 and ENGL 062.

Designed for the beginning ESL student in an English-only environment, this course focuses on the basic elements of reading comprehension and vocabulary development, with attention to oral and written practice with vocabulary words, the parts of speech and spelling. (Nontransferable, nondegree applicable)

ENGL 073 (3 UNITS)**BEGINNING READING AND VOCABULARY FOR****ESL II****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 072 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 063 and ENGL 092. Designed for the low-intermediate ESL student in an English-only environment, this course focuses on reading comprehension and vocabulary development, with attention to oral and written practice with parts of speech, dictionary skills, word parts and spelling. (Nontransferable, nondegree applicable)

ENGL 074 (3 UNITS)**VOCABULARY AND PHRASAL VERBS I****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 073 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 064, ENGL 084 and ENGL 093.

Designed for the intermediate ESL student in an English-only environment, this course focuses on vocabulary development, with emphasis on phrasal verbs. Oral and written practice is given to parts of speech, dictionary skills, word parts and spelling. (Nontransferable, nondegree applicable)

ENGL 075 (3 UNITS)**VOCABULARY AND PHRASAL VERBS II****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 074 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 065, ENGL 085 and ENGL 094.

Designed for the high intermediate ESL student in an English-only environment, this course focuses on phrasal verbs as well as on vocabulary development, with attention to the parts of speech, English learner's dictionary skills, context clue strategies and spelling. (Nontransferable, nondegree applicable)

ENGL 076 (3 UNITS)**VOCABULARY AND IDIOMS FOR ADVANCED ESL****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 075 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 066 and ENGL 095. Designed for the advanced ESL student in an English-only environment, this course is a vocabulary development course which focuses on American idioms in spoken and written language, with attention to dictionary skills, parts of speech, word parts and spelling. (Nontransferable, nondegree applicable)

ENGL 084 (3.5 UNITS)**READING I: DEVELOPMENT FOR BILINGUALS****TERM HOURS: 54 LEC, 18 LAB**

Recommended Preparation: Appropriate placement recommendation or advancement in the ESL curriculum indicating readiness for the monolingual curriculum.

Course designed to develop reading efficiency of bilingual students. Phonics comprehension, word analysis, vocabulary building will be included, as well as those study skills directly related to reading. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable)

ENGL 085 (3.5 UNITS)**READING I: DEVELOPMENT FOR BILINGUALS****TERM HOURS: 54 LEC, 18 LAB**

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 084.

Course designed to develop reading efficiency of bilingual students. Phonics comprehension, word analysis, vocabulary building will be included, as well as those study skills directly related to reading. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable)

ENGL 086 (3.5 UNITS)**READING II: BASIC DEVELOPMENT****TERM HOURS: 54 LEC, 18 LAB**

Prerequisite: ENGL 085 with a grade of "C" or higher or appropriate placement.

A course at the lower intermediate level, first semester, for the student needing additional instruction in comprehension, vocabulary and study skills. Emphasis will be on fundamental understanding of texts, and increasing word knowledge. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable)

ENGL 087 (3.5 UNITS)**READING II: BASIC DEVELOPMENT****TERM HOURS: 54 LEC, 18 LAB**

Prerequisite: ENGL 086 with a grade of "C" or higher or appropriate placement.

A course at the lower intermediate level, second semester, for the student needing additional instruction in comprehension, vocabulary and study skills. Emphasis will be on fundamental understanding of texts, and increasing word knowledge. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable)

ENGL 088 (3.5 UNITS)**READING III: INTERMEDIATE DEVELOPMENT****TERM HOURS: 54 LEC, 18 LAB**

Prerequisite: ENGL 087 with a grade of "C" or higher or appropriate placement.

A course at the upper intermediate reading level, first semester, designed to refine those skills designated in ENGL 086/087. Includes additional instruction in study skills, outlining, previewing, summarizing, and critical reading. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable)

ENGL 089 (3.5 UNITS)**READING III: INTERMEDIATE DEVELOPMENT****TERM HOURS: 54 LEC, 18 LAB**

Prerequisite: ENGL 088 with a grade of "C" or higher or appropriate placement.

This course aims to build reading efficiency to college level to ensure reading competency for graduation from IVC and/or successful completion of transfer level courses. Course work includes practice in whole chapter note-taking, vocabulary building, study reading, informed reading of literature, and reinforcement of critical thinking skills. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, AA/AS degree only)

ENGL 091 (5 UNITS)**BEGINNING GRAMMAR AND COMPOSITION FOR ESL****TERM HOURS: 90 LEC, 0 LAB**

Recommended Companion Courses: ENGL 062 and ENGL 072. English 091 is a grammar class in an English-only environment designed for the beginning or false beginning ESL student. The course will cover grammar and simple sentence writing. (Nontransferable, nondegree applicable)

ENGL 092 (5 UNITS)**LOW INTERMEDIATE GRAMMAR AND COMPOSITION FOR ESL****TERM HOURS: 90 LEC, 0 LAB**

Prerequisite: ENGL 091 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 063 and ENGL 073. English 092 is a grammar class in an English-only environment for the low intermediate ESL student. The course will cover grammar and simple sentence writing. (Nontransferable, nondegree applicable)

ENGL 093 (5 UNITS)**INTERMEDIATE GRAMMAR AND COMPOSITION FOR ESL****TERM HOURS: 90 LEC, 0 LAB**

Prerequisite: ENGL 092 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 064 and ENGL 074. English 093 is a grammar class in an English-only environment designed for the intermediate ESL student. This course will emphasize grammar and writing sentences and short paragraphs. (Nontransferable, nondegree applicable)

ENGL 094 (5 UNITS)**HIGH INTERMEDIATE GRAMMAR AND COMPOSITION FOR ESL****TERM HOURS: 90 LEC, 0 LAB**

Prerequisite: ENGL 093 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 065, ENGL 075 and ENGL 085.

English 094 is a grammar course in an English-only environment designed for the high-intermediate ESL student. This course emphasizes grammar and writing sentences and paragraphs. (Nontransferable, nondegree applicable)

ENGL 095 (3 UNITS)**THE WRITING PROCESS FOR ADVANCED ESL****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 094 with a grade of "C" or higher or appropriate placement.

Recommended Companion Courses: ENGL 066 and ENGL 076. English 095 is a writing class in an English-only environment designed for the advanced ESL student. This course is an introduction to paragraph writing and includes pre-writing and brainstorming; sentence structure; review of grammar, mechanics and usage; vocabulary, spelling and format protocol; journal writing; and group sharing of successful models for effective writing. (Nontransferable, nondegree applicable)

ENGL 096 (3 UNITS)**WRITING FUNDAMENTALS, FIRST SEMESTER****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 095 with a grade of "C" or higher or appropriate placement.

Preparation for English 097. Intensive instruction in grammar and punctuation and the writing of short paragraphs. Designed for the student needing to acquire basic writing skills and to overcome language transfer interference. Follows in sequence from ENGL 095. Taught simultaneously with ENGL 097. (Nontransferable, nondegree applicable)

ENGL 097 (3 UNITS)**WRITING FUNDAMENTALS, SECOND SEMESTER****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 096 with a grade of "C" or higher or appropriate placement.

Preparation for ENGL 098. Intensive instruction in grammar and punctuation and the writing of paragraphs and a short essay. Designed for the student needing to acquire basic writing skills and to overcome language transfer interference. Follow in sequence from ENGL. Taught simultaneously with ENGL 096. (Nontransferable, nondegree applicable)

ENGL 098 (3 UNITS)
BASIC ENGLISH COMPOSITION
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 097 with a grade of "C" or higher or appropriate placement.

Preparation for ENGL 100. Provides developmental instruction approaching the college level in paragraph and short essay writing. The course follows in sequence from ENGL 097. (Nontransferable, nondegree applicable)

ENGL 100 (3 UNITS)
BASIC ENGLISH COMPOSITION
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 098 with a grade of "C" or higher or appropriate placement.

Preparation for ENGL 101. The course seeks to facilitate the student's mastery of the short essay at the college level. The course follows in sequence from ENGL 098. (CSU)

ENGL 101 (3 UNITS)
READING AND COMPOSITION
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 100 with a grade of "C" or higher or appropriate placement.

The standard course in freshman English. The course seeks to improve the student's ability to understand serious and complex prose and to improve the student's ability to write an exposition that is thoughtful and clear including the production of a well-documented research paper. (CSU, UC) (CAN ENGL 2) (CAN ENGL SEQ A = ENGL 101 and ENGL 102)

ENGL 102 (3 UNITS)
INTRODUCTION TO LITERATURE
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 101 with a grade of "C" or better.

Introduction to the study of poetry, fiction and drama, with further practice in writing. (CSU, UC) (CAN ENGL 4) (CAN ENGL SEQ A = ENGL 101 and ENGL 102)

ENGL 111 (3.5 UNITS)
READING IV: ANALYTICAL AND CRITICAL READING
TERM HOURS: 54 LEC, 18 LAB

Prerequisite: ENGL 089 and ENGL 101 with grades of "C" or higher.

Designed to help adequate readers become superior readers. Recommended for college transfer students who wish to develop the critical reading and thinking skills necessary for all types of college level reading. Participation in instructor-assigned reading lab activities is a required part of the course. (CSU)

ENGL 201 (3 UNITS)
ADVANCED COMPOSITION
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 101 with a grade of "C" or better.

Emphasizes critical thinking in reading and writing beyond that achieved in ENGL 101. Written argumentation will focus on deduction and induction, an understanding of the fallacies of language and thought, the application of valid evidence, and refutation. (CSU, UC)

ENGL 202 (1 UNITS)
ADVANCED COMPOSITION - HONORS
TERM HOURS: 18 LEC, 0 LAB

Recommended Preparation: ENGL 101 with a grade of B or better. Corequisite: Current enrollment in ENGL 201.

A roundtable seminar, this course will emphasize reasoned evaluation and "strong sense" critical thinking. Through analytical reading, writing for critical analysis and clarification of life values, and roundtable discussion, students will evaluate the ideas and values assumptions of fifteen great thinkers in relation to their own ideas and values assumptions, as well as to those of other thinkers. (CSU, UC)

ENGL 220 (3 UNITS)
SURVEY OF AMERICAN LITERATURE I
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 101 with a grade of "C" or better. Recommended Preparation: ENGL 102.

This course is a survey of American Literature from its beginning through the Civil War, including the Colonial Period (1588-1765), the New Republic (1765-1829), and the American Renaissance (1829-1865). In addition to reading representative works of authors of these periods, students will address historical, social, political, cultural, and religious issues of the time. Reading assignments will include essays, novels, poetry, and short fiction of the time period, as well as criticism of the literature. Students will critically analyze these works in essays, exams, and research papers, as assigned. (CSU, UC)

ENGL 221 (3 UNITS)
SURVEY OF AMERICAN LITERATURE II
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 101 with a grade of "C" or better. Recommended Preparation: ENGL 102.

This course is a survey of American Literature from late 19th Century to the present, which includes representative works from Literary Realism (1865-1914), the Modern Age (1914-1945), and the Postmodern Period (1946-Present). In addition to reading representative works of authors of these periods, students will address historical, social, political, cultural, and religious issues of the time. Reading assignments will include essays, novels, poetry, and short fiction of the time period, as well as criticism of the literature. Students will critically analyze these works in essays, exams, and research papers, as assigned. (CSU, UC)

ENGL 222 (3 UNITS)
SURVEY OF WORLD LITERATURE
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 101 with a grade of "C" or better.

Recommended Preparation: ENGL 102 Study of selected literature of the Greeks, Romans, Middle Ages, and the Renaissance. Emphasis is placed on literature of western culture. (CSU, UC)

ENGL 223 (3 UNITS)
SURVEY OF WORLD LITERATURE
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: ENGL 101 with a grade of "C" or better.

Recommended Preparation: ENGL 102.

Study of selected literature of the Enlightenment, Romanticism, Naturalism and Realism, Symbolism and modern/contemporary schools. Emphasis is placed on a diversity of global cultures. (CSU, UC)

ENGL 224 (3 UNITS)**SURVEY OF ENGLISH LITERATURE****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 101 with a grade of "C" or better.

Recommended Preparation: ENGL 102.

Close study of works of major English writers up to the end of the 18th century, with consideration of the more salient aspects of English literary history. (CSU, UC) (CAN ENGL 8) (CAN ENGL SEQ B = ENGL 224 and ENGL 225)

ENGL 225 (3 UNITS)**SURVEY OF ENGLISH LITERATURE****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 101 with a grade of "C" or better.

Recommended Preparation: ENGL 102 Close study of works of major English writers of the 19th and 20th centuries, with consideration of the more salient aspects of English literary history. May be taken before ENGL 224. (CSU, UC) (CAN ENGL 10) (CAN ENGL SEQ B = ENGL 224 and ENGL 225)

ENGL 228 (3 UNITS)**INTRODUCTION TO THE BIBLE AS LITERATURE****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 101 with a grade of "C" or better.

Recommended Preparation: ENGL 102 A study of literature and history of the Bible. (CSU, UC)

ENGL 230 (3 UNITS)**INTRODUCTION TO FILM HISTORY AND CRITICISM****TERM HOURS: 36 LEC, 36 LAB**

The origin and development of movies as an entertainment industry, as a technological medium, and as an art form. Key films from different historical periods will be examined for their technological and artistic contributions to the art of film making. (Same as HUM 230) (CSU, UC)

ENGL 240 (3 UNITS)**INTRODUCTION TO TECHNICAL AND REPORT WRITING****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ENGL 100 or ENGL 101 or permission of instructor.

Practical experience in writing various kinds of technical reports, descriptions, proposals, and evaluations. Writing assignments will be tailored to the interests of individual students. (CSU)

ENGL 250 (3 UNITS)**CREATIVE WRITING****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: ENGL 101 with a grade of "C" or better. Recommended Preparation: ENGL 102 Study and application of the principles of literary construction, plus exercises in the writing of imaginative literature, including short story, poetry, drama, and essay. The student may elect to specialize in one of the genres in order to achieve maximum progress. Maximum credit six units. (CSU, UC) (CAN ENGL 6)

ENGL 260 (3 UNITS)**THE MEXICAN AMERICAN IN LITERATURE****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Eligibility for ENGL 101.

Study of the contributions by Mexican Americans to all genres of literature. Course to be developed through the study of the Mexican American historical backgrounds, and by contrasting and comparing the works of Mexican Americans with their familiar Anglo American counterparts, as well as with the works of familiar Mexican authors. This course will concentrate the cultural and literary heritage of the Mexican American. Conducted in English. (Same as SPAN 260) (CSU, UC)

ENGL 261 (3 UNITS)**THE MEXICAN AMERICAN IN LITERATURE****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Eligibility for ENGL 101.

A continuation of ENGL 260 with emphasis on contemporary Mexican American writers. Conducted in English. ENGL 261 may be taken before ENGL 260. (Same as SPAN 261) (CSU, UC)

ENGL 270 (3 UNITS)**INTRODUCTION TO LINGUISTICS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ENGL 100 or ENGL 101 or consent of instructor.

Introduction to the various branches of linguistics: language classification, dialectal variation, psycholinguistics, sociolinguistics, semantics. Specific work on English sounds, grammar, and dialects. Recommended for teachers, teacher aides, students of foreign languages, and anyone interested in extending their knowledge of language. Suitable for English speaking and bilingual students. (CSU, UC)

ENVIRONMENTAL SCIENCE**ENVS 110 (3 UNITS)****ENVIRONMENTAL SCIENCE****TERM HOURS: 54 LEC, 0 LAB**

This course is designed to provide students with an overview and understanding of the relationships between human populations and the natural environment. The class will focus on basic concepts of science and ecosystem theory, human impacts on the air, water, and land, environmental problems faced by the Imperial Valley that have regional and global consequences, and some of the proposed solutions. (Same as AG 110) (CSU, UC)

FIRE SCIENCE**FIRE 100 (3 UNITS)****FIRE PROTECTION ORGANIZATION****TERM HOURS: 54 LEC, 0 LAB**

This course provides an introduction to fire protection; career opportunities in fire protection; fire loss analysis; organization and function of public and private fire protection services; fire department as a 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; and an introduction to fire strategy and tactics. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 101 (3 UNITS)**FIRE PREVENTION TECHNOLOGY****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: FIRE 100, concurrent enrollment or equivalent.

This course 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, detection and suppression systems. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 102 (3 UNITS)**FIRE PROTECTION EQUIPMENT AND SYSTEMS****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: FIRE 100, concurrent enrollment or equivalent.

This course provides information relating to the features of design and operation of fire detection and alarm systems, heat and smoke systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 103 (3 UNITS)**BUILDING CONSTRUCTION FOR FIRE PROTECTION****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: FIRE 100, concurrent enrollment or equivalent.

This course is the study of the components of building that relates to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 104 (3 UNITS)**FIRE BEHAVIOR AND COMBUSTION****TERM HOURS: 54 LEC, 0 LAB**

Prerequisite: FIRE 100, concurrent enrollment or equivalent.

This course provides 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 will be covered. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 105 (7.5 UNITS)**EMERGENCY MEDICAL TECHNICIAN I****TERM HOURS: 117 LEC, 54 LAB**

A course designed for individuals who will come in contact with victims of illness or injury primarily in an emergency, pre-hospital environment. This course would be of value to all emergency service personnel, including ambulance personnel, law enforcement, fire services, hospital emergency department, and other rescue personnel. Topics will include roles and responsibilities, evaluation and treatment of illness and injury. Procedures for dealing with life threatening emergencies are presented. The student will be able to gain a functional understanding of assessment-based approaches to patient care as well as the interventions added to the EMT I scope

of practice. Hazardous Material training and semi-automatic defibrillation training are included. This course is approved by the Imperial County Emergency Medical Services Agency and is within the training guidelines of California Code of Regulations and the California Fire Service Training and Education Systems (CFSTES). Successful completion will result in eligibility for certification as an EMT I and EMT D. Successful completion will also result in a Training Institute (CSTI) through the Office of Emergency Services (OES). This is one of six courses required for an associate degree in Fire Technology and one of six courses toward eligibility for a Fire Fighter I certificate. (Same as EMT 105) (CSU)

FIRE 106 (1 UNITS)**FIRST AID/CPR - PUBLIC SAFETY FIRST RESPONDER****TERM HOURS: 18 LEC, 5.4 LAB**

A course for individuals who must provide first aid and/or CPR prior to the arrival/availability of pre-hospital care personnel with advanced training and certification/licensure. This course is primarily for fire department and law enforcement personnel. It satisfies the minimum requirements for this type of personnel as outlined in the California Code of Regulations, approved by the California Emergency Medical Services Authority. Upon successful completion of this course, the participant will receive a completion certificate from IVC and a CPR course completion card through the American Heart Association. (CSU)

FIRE 107 (2 UNITS)**EMERGENCY MEDICAL TECHNICIAN I - REFRESHER****TERM HOURS: 36 LEC, 0 LAB**

Prerequisites: Current EMT I certification or have possessed an EMT I certification within the past 4 years.

A course designed to fulfill the California EMT I refresher course requirements for a two year period. This course will review basic life support topics and procedures to include cardiopulmonary resuscitation training. Topics specific to Imperial County will be presented, as well as, changes in policies and procedures. Updated and new materials will be included. Successful completion of this course will satisfy continuing education requirements for the EMT I and will enable the EMT I to be eligible for recertification in the state of California. This course is approved by the Imperial County Emergency Medical Services Agency and is within the training guidelines of the California Code of Regulations and the California Fire Service Training and Education Systems (CFSTES). (Same as EMT 107) (CSU)

FIRE 110 (3 UNITS)**INTRODUCTION TO FIRE FIGHTER****TERM HOURS: 54 LEC, 0 LAB**

Introduction into basic fire technology. Course will introduce fire service organization and responsibilities. Fire behavior, extinguishing theory, protection and safety will be presented. Fire equipment such as self-contained breathing apparatus, portable extinguishers, rope, knots, and hitches will be included. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is the first of a six part program that will satisfy course requirements for California State Fire Fighter I certification. (CSU)

FIRE 111 (2.5 UNITS)
STREAMS, NOZZLES, HOSES, AND APPLIANCES
TERM HOURS: 36 LEC, 9 LAB

Prerequisite: FIRE 110.

A course to continue with training in basic fire technology. Fire streams and nozzles, fire hose and appliance will be presented. Manipulative skills will be included. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is part two of a six part program that will satisfy course requirements for California State Fire Fighter I certificate requirements. (CSU)

FIRE 112 (2.5 UNITS)
GROUND ENTRY AND RESCUE
TERM HOURS: 36 LEC, 9 LAB

Prerequisite: FIRE 110.

A continuation of basic Fire Fighter I training. Ground ladders, forcible entry, and rescue techniques will be presented. Manipulative performance testing will be included. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is part three of a six part program that will satisfy course requirements for California State Fire Fighter I certification requirements. (CSU)

FIRE 113 (2 UNITS)
VENTILATION AND FIRE CONTROL
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: FIRE 110.

A continuation of basic Fire Fighter I training. Ventilation and fire control techniques will be presented. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is part four of a six part program that will satisfy course requirements for California State Fire Fighter I certification requirements. (CSU)

FIRE 114 (3.5 UNITS)
FIRE FIGHTER I - ADVANCED
TERM HOURS: 45 LEC, 18 LAB

Prerequisite: FIRE 110.

A more advanced portion of basic Fire Fighter I training. Topics to be presented include: salvage and overall, fire protection water supplies, fire protection systems, fire prevention and investigation, hazardous materials, fire alarm communications, and vehicle extrication overview. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is part five of a six part program that will satisfy course requirements for California State Fire Fighter I certification requirements. (CSU)

FIRE 116 (2 UNITS)
FIRE HYDRAULICS
TERM HOURS: 36 LEC, 0 LAB

This course involves the study of calculations required to assure adequate water pressures and volumes at fire department operations. Besides calculation emphasis, the course will cover hydraulic laws and formulas as applied to the fire service, application of formulas and mental calculations of hydraulic problems, the pressure of fluids, fire pump operations and design, hose line construction and capability, water supply problems, and the capabilities of a community water supply. (CSU)

FIRE 117 (1 UNITS)
AUTO EXTRICATION
TERM HOURS: 18 LEC

This course provides students with the information and skills necessary to operate within the procedures and systems utilized during an automobile extrication. Subjects covered include: auto extrication sizeup; types of incidents; safety precautions; ICS for auto extrication; types of hand and power tools; removing windows; opening doors; removing roofs; pulling steering wheels; moving foot pedals; raising dashboards; pulling seats; stabilization of vehicles; and simulated rescues of trapped victims. (CSU)

FIRE 118 (0.5 UNITS)
OIL FIRE CONTROL SCHOOL I
TERM HOURS: 3.6 LEC, 14.4 LAB

This course provides students with general information, techniques and strategies in dealing with flammable liquids and gases. Students are provided with particular exercises in controlling and then in extinguishing flammable liquid and gas fires at selected burn sites under controlled supervision. Maximum credit two units. (CSU)

FIRE 119 (0.5 UNITS)
PIPELINE TRANSPORTATION EMERGENCIES
TERM HOURS: 0 LEC, 9 LAB

This course is designed to create emergency support effectiveness in preventing, controlling, and terminating accidents involving pipeline transportation. (CSU)

FIRE 120 (3 UNITS)
HAZARDOUS MATERIALS FOR THE FIRST RESPONDER
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: ENVT 100, ENVT 103.

This course covers the fundamental health and safety aspects of working with hazardous materials. It presents valid information for awareness and understanding responses to hazardous materials emergencies. Included is information regarding legal requirements, compliance with regulations, health effects, treatment, agency protocols and responsibilities, emergency procedures, and incident command functions. Anyone who may discover or respond to a Haz-Mat incident (i.e., fire, law, health, transportation, public works, private industry) must have this level of training. Successful completion of this course includes a certificate of completion from the California Specialty Training Institute (CSTI) through the Office of Emergency Services (OES) at the First Responder Operational level (FRO). (Same as ENVT 120) (CSU)

FIRE 121 (1 UNITS)
ICS-200 BASIC INCIDENT COMMAND
TERM HOURS: 18 LEC, 0 LAB

Recommended preparation: ENGL 101.

This course is designed for all emergency response personnel (fire, police, and EMS). This course consists of the Incident Command System (ICS) modules 2-6 and meets the training needs of wildland fire personnel and other emergency response personnel. Participants are introduced to the principles associated with the ICS and Standardized Emergency Management System (SEMS). Topics provide an introduction to and an overview of the ICS. The topics also introduce the participant to the interagency incident management system being adopted by the fire service and emergency organizations across the country. (CSU)

FIRE 122 (0.5 UNITS)
CONFINED SPACE AWARENESS
TERM HOURS: 9 LEC, 0 LAB

Recommended preparation: ENGL 101.

This course is designed to introduce fire service personnel in the recognition of confined spaces and how to enter them properly, and the proper use of safety procedures within these areas. Students are introduced to the hazards, equipment, and operational positions of safe and legal confined space entry. This course also includes how following CAL/OSHA regulations are required in regards to confined space areas. (CSU)

FIRE 130 (5.5 UNITS)
BASIC FIRE ACADEMY I
TERM HOURS: 82.8 LEC, 46.8 LAB

Prerequisites: Successful completion of application process. Acceptance into program by Fire Technology Coordinator. Pass Basic Fire Academy Entrance Exam with a proficiency score of 70% or better.

Co-requisites: PE 100. Physical training is an important component of being a firefighter; all candidates should be in good physical condition before entering into a firefighting career.

Recommended preparation: ENGL 101.

Basic Fire Academy I is the first of two courses of the Fire Academy designed for the individual who desires a career as a professional fire fighter. This course includes instruction in basic firefighting skills, personnel rules and regulations in professional organizations, equipment operation and maintenance, elementary fire behavior, fireground safety and operations, self-contained breathing apparatus operation and maintenance, portable fire extinguisher operation and maintenance, firefighting tactics and strategies on the fireground. This course is intensive, requiring the students' total dedication for successful completion. (CSU)

FIRE 131 (6 UNITS)
BASIC FIRE ACADEMY II
TERM HOURS: 97.2 LEC, 27 LAB

Prerequisites: Successful completion of Basic Fire Academy I.

Corequisites: PE 104. Physical training is an important component of being a fire fighter; all candidates should be in good physical condition before entering into a firefighting career.

Recommended Preparation: ENGL 101.

Basic Fire Academy II is the second of two courses of the Fire Academy designed for the individual who desires a career as a professional firefighter. This course includes instruction in the operation and maintenance of fire service ground ladders, forcible entry tactics and strategies, rescue safety and operations, fire control techniques, salvage and overhaul operations, principles of fire protection water systems, fire investigation, fire prevention, vehicle extrication, and wild land firefighting. This course is intensive, requiring the students' total dedication for successful completion. (CSU)

FIRE 200 (2 UNITS)
DRIVER/OPERATOR - DRIVING
TERM HOURS: 36 LEC, 0 LAB

This course is designed to meet the technical and driving requirements as established by the State Fire Marshal for fire emergency vehicles. Course will include a study of driver responsibilities, vehicle laws, emergency response procedures, apparatus and equipment inspection and maintenance procedures, maneuvering of fire apparatus through controlled driving exercises and in normal traffic conditions. Successful completion of this course will satisfy one of the requirements to be eligible to apply for certification as a Fire Apparatus Driver/Operator through CFSTES. (CSU)

FIRE 201 (2 UNITS)
DRIVER/OPERATOR - PUMPING
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: Completion of 12 units in Fire Technology at the 100 level or current affiliation with a fire agency.

This course is designed to meet the technical and practical requirements for using fire department pumpers as established by the State Fire Marshal. Includes the study of types and design of fire pumps, principles of pumping, review of applied math, hydraulic laws, methods for performing basic field hydraulics, application of mental hydraulics calculations and operations of pumps under fire ground conditions. Successful completion of this course will satisfy one of the requirements to be eligible to apply for certification as a Fire Apparatus Driver/Operator through CFSTES. (CSU)

FIRE 202 (2 UNITS)
FIRE INVESTIGATION 1A
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: Completion of 12 units in Fire Technology at the 100 level of current affiliation with a fire agency.

An introduction into fire investigation. This intense course will include principles of determining cause, recognizing and preserving evidence, interviewing witnesses and suspects, arrests and detention procedures, point of origin determination, motives of the fire setter, and report writing. Successful completion will satisfy one of the State Fire Marshal's training requirements for certification a Fire Investigator I. (CSU)

FIRE 203 (2 UNITS)
FIRE INVESTIGATION 1B
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: FIRE 202 This course provides the participant with information to achieve a deeper understanding of fire investigation. The course builds on Fire Investigation 202 and adds topics of discussion including the juvenile fire setter, in-depth report writing, evidence collection and preservation procedures. Successful completion will satisfy one of the State Fire Marshal's training requirements for certificates as a Fire Investigator I. (CSU)

FIRE 204 (2 UNITS)
FIRE MANAGEMENT I
TERM HOURS: 36 LEC, 0 LAB

Recommended Preparation: Completion of 12 units of Fire Technology courses at the 100 level.

A course designed for the transition from Firefighter to Fire Officer by presenting the skills and responsibilities required of first level supervisors. This course provides an overview of supervision, management, and leadership concepts, practices and theories. (CSU)

FIRE 205 (2 UNITS)
FIRE PREVENTION 1A
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: Completion of 12 units in Fire Technology at the 100 level or current affiliation with a fire agency.

This course is the study of fire prevention. Course will include introduction to organization and function of fire prevention inspections, surveying and mapping procedures and recognition of fire and life hazards. Material presented will focus on code use, improvements, enforcement and fire cause, considerations of various flammable materials, properties of plastics, and portable and fixed fire prevention requirements for California State Officer Certification. (CSU)

FIRE 206 (2 UNITS)
FIRE PREVENTION 1B
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: FIRE 205 This course is a continuation of the study of fire prevention. Topics include a continuation of fire and life hazards, engineering a solution of hazards, enforcing the solution, and public relations as affected by fire prevention. Other focuses include building construction, flame spread classification, fire doors, exiting standards, calculations of occupant load, smoke proof enclosures, sprinkler system design, electrical hazards, fire alarm and detection systems and devices. Successful completion of this course and FIRE 208 fulfills the fire prevention requirements for California State Officer Certification. (CSU)

FIRE 207 (2 UNITS)
FIRE INSTRUCTOR 1A
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: Completion of 12 units in Fire Technology at the 100 level or current affiliation with a fire agency.

This course is designed to provide fire and other service personnel with the instructional terms and concepts associated with vocational education. It will provide a variety of methods and techniques for training their subordinates in accordance with the latest concepts in vocational education. Preparation techniques will be presented on how to select, develop, organize, and utilize instructional materials appropriate for teaching manipulative lessons. An opportunity to apply major principles of learning through teaching demonstrations will be provided. Successful completion of this course will satisfy one of the requirements to become a State Fire Training Registered Fire Instructor. (CSU)

FIRE 208 (2 UNITS)
FIRE INSTRUCTOR 1B
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: FIRE 207 This course is designed as a continuation of Fire Instructor 1A. The course will continue to present various methods and techniques for training/teaching utilizing the latest concepts in vocational education. Opportunities to apply major principles of learning through practice teaching demonstrations will be given. Material and information will be given to assist the participant to prepare for Fire Officer Certification and Fire Instructor I requirements within the state of California. Successful completion of this course will satisfy one of the requirements to become a State Fire Training Registered Fire Instructor. (CSU)

FIRE 209 (2 UNITS)
FIRE COMMAND 1A
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: Completion of 12 units of Fire Technology at the 100 level or current affiliation with a fire agency.

A course designed for the initial response, "first in" officer at emergency scenes. This officer may be a company officer, senior engineer, captain, lieutenant, or acting officer. This course provides the Fire Company Officer with information and experience in command and control techniques at the scene of an emergency. The topics emphasize managerial decision-making skills required for command. The managerial concepts of this course are applicable to all types and sizes of incidents. The course emphasis is centered on structural fire fighting. This course will satisfy one of the prerequisites for Fire Command 2B presented through the State Fire Academy. (CSU)

FIRE 210 (2 UNITS)
FIRE COMMAND 1B
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: FIRE 209 A course designed for the initial response company officer involved in hazardous materials incidents. Involves hazardous materials simulations, notification of other agencies, protective actions for firefighters, and containment techniques. This course will satisfy one of the prerequisites for Fire Command 2B presented through the State Fire Academy. (CSU)

FIRE 211 (2 UNITS)
INCIDENT COMMAND SYSTEM 300
TERM HOURS: 45 LEC, 0 LAB

Recommended preparation: FIRE 121.

This course provides training on and resources for personnel who require advanced application of the Incident Command System. The target audience for this course is for individuals who may assume supervisory roles in expanding emergency incidents that may extend into several operational periods. This course will describe ways in which incidents and events are organized to ensure achievement of incident objectives. It will discuss the steps in organizational development that should take place on the incident or event. (Nontransferable, AA/AS degree only)

FRENCH

FREN 100 (5 UNITS)
ELEMENTARY FRENCH I
TERM HOURS: 90 LEC, 0 LAB

A beginning course stressing the basic skills of listening comprehension, speaking, reading and writing to develop control of the sounds and the basic forms and structure of French. Introduction to aspects of French culture and civilization. Students must plan for an hour of individual language laboratory by arrangement. Not open to students who have completed three years of high school French. (CSU, UC) (CAN FREN 2) (CAN FREN SEQ A = FREN 100 and FREN 110)

FREN 110 (5 UNITS)
ELEMENTARY FRENCH II
TERM HOURS: 90 LEC, 0 LAB

Continues the development of all four language skills, emphasizing vocabulary building, increasing fluency and control of correct pronunciation, basic forms and structure. Students must plan for an hour of individual language laboratory by arrangement. (CSU, UC) (CAN FREN 4) (CAN FREN SEQ A = FREN 100 and FREN 110)

FREN 200 (4 UNITS)
INTERMEDIATE FRENCH I
TERM HOURS: 72 LEC, 0 LAB

An intermediate course offering review and expansion of grammar and vocabulary learned in FREN 100 and FREN 110. Emphasis on communication and application of knowledge in highly functional life situations. Students must plan for one hour per week of required language laboratory practice by individual study arrangement. (CSU, UC)

FREN 210 (4 UNITS)
INTERMEDIATE FRENCH II
TERM HOURS: 72 LEC, 0 LAB

Continuation of FREN 200. An intermediate course emphasizing communication and application of knowledge in highly functional life situations. Students must plan for one hour per week of required language laboratory practice by individual study arrangement. (CSU, UC)

FREN 220 (3 UNITS)
INTERMEDIATE FRENCH READING AND WRITING
TERM HOURS: 54 LEC, 0 LAB

Intensive reading and vocabulary development based on cultural and literary materials, including critical analysis and summaries. (CSU, UC)

FREN 230 (3 UNITS)
INTERMEDIATE CONVERSATIONAL FRENCH I
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Concurrent enrollment in FREN 200. Practical conversational skills are developed through listening exercises, directed conversations on assigned readings from newspaper and magazine articles, current topics, simple dialogues and plays. Emphasis on contemporary life in countries where French is spoken. Student must plan for an additional hour of individual language laboratory by arrangement. (CSU)

FREN 232 (3 UNITS)
INTERMEDIATE CONVERSATIONAL FRENCH II
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Concurrent enrollment in FREN 210. Continuation of FREN 230. Practical conversational skills are developed through listening exercises, directed conversations on assigned readings from newspaper and magazine articles, current topics, simple dialogues and plays. Emphasis on contemporary life in countries where French is spoken. Student must plan for an additional hour of individual language laboratory by arrangement. (CSU)

FREN 297 (1 UNITS)
FRENCH - HONORS
TERM HOURS: 18 LEC, 0 LAB

Corequisite: Current enrollment in FREN 110.

This course will give the student the opportunity to apply and expand his or her French language skills through the reading, analysis, and subsequent discussion of French films and literary texts. Students will learn to state opinions and offer supporting arguments in written forms as well as in roundtable discussions. (CSU, UC)

GEOGRAPHY

GEOG 100 (3 UNITS)
PHYSICAL GEOGRAPHY
TERM HOURS: 54 LEC, 0 LAB

An introduction to the physical characteristics of the earth. Topics include: climate, landforms, natural vegetation, and the water and mineral resources of the earth. (CSU, UC) (CAN GEOG 2)

GEOG 102 (3 UNITS)
CULTURAL GEOGRAPHY
TERM HOURS: 54 LEC, 0 LAB

An introduction to the regions and cultures of the world. Emphasis on the contemporary demographic, linguistic, religious, and economic characteristics of major regions in the world. May be taken before GEOG 100. (CSU, UC) (CAN GEOG 4)

GEOG 104 (3 UNITS)
ECONOMIC GEOGRAPHY
TERM HOURS: 54 LEC, 0 LAB

The geography of commercial products. Distribution of production as related to climate, surface features, soils, labor supply and market areas, and the routes along which products move to consuming areas. (CSU, UC)

GEOG 108 (3 UNITS)
WORLD REGIONAL GEOGRAPHY
TERM HOURS: 54 LEC, 0 LAB

World Regional Geography is a survey course which introduces students to the physical and cultural geographic aspects of the world's realms. Geography's interdisciplinary approach is used to analyze regions and illustrate their interdependence. (CSU)

GEOLOGY

GEOL 100 (4 UNITS)
GENERAL GEOLOGY
TERM HOURS: 54 LEC, 54 LAB

This course is designed as an introduction to Earth's physical processes, structures and composition, and includes coverage of Earth's internal processes, such as those that cause earthquakes, volcanoes and mountain building; surface processes, such as rivers and waves, wind, glaciers and the landforms that result from these processes; the nature and origin of rocks and minerals that form the Earth's crust; and structures related to folding and faulting, will be studied. (CSU, UC)

GEOL 110 (3 UNITS)
EARTH AND SPACE SCIENCE
TERM HOURS: 54 LEC, 0 LAB

This introductory earth and space science course covers basic principles from the fields of geology, astronomy, oceanography, and meteorology. Minerals and rocks, natural processes acting at the earth's surface and within the Earth, plate tectonics, geologic time and dating, composition and motions of the Earth, solar system, phases of the moon, origin and life cycles of stars, galaxies, water movements, ocean floor, weather and climate, along with other related topics, will be studied. (CSU) (UC credit limited. See a Counselor.)

GEOL 120 (3 UNITS)
GEOLOGY FIELD STUDIES
TERM HOURS: 18 LEC, 108 LAB

Recommended Preparation: GEOL 100 or GEOL 110.

Introductory course to geology field techniques. Basic field techniques in geologic mapping, field observations and specimen collection will be introduced and practiced in the classroom and at several locations in Imperial Valley during the first week. The second week will be a field trip to a National or State Park to observe and interpret geologic processes and features of the area. During the third week a field report will be submitted on the geology of the location. Open to all students. Maximum credit six units. (CSU)

HEALTH EDUCATION

HE 100 (2 UNITS)

HEALTH EDUCATION - MILITARY SERVICE

TERM HOURS: 0 LEC, 0 LAB

Prerequisite: The satisfactory completion of basic or recruit training and 180 days or more active service in the military of the United States of America.

The student wishing credit for military service must present his/her DD214 or equivalent supporting document to the Veterans Assistant and register for the credit. If the student registers for military credit and does not submit verification of service, he/she will be dropped as a No-Show and will not receive credit. HE 100 does not count for units toward VA, Financial Aid, or full-time student status. These are not contact hours. May receive credit only once. (CSU)

HE 102 (3 UNITS)

HEALTH EDUCATION

TERM HOURS: 54 LEC, 0 LAB

Fundamentals of healthful living designed to provide scientific health information, and promote desirable attitudes and practices. Includes the study of first aid and the relationship of alcohol, narcotics, and smoking to health, and the factors involved in family and community health and safety. (CSU, UC)

HE 104 (3 UNITS)

FIRST AID

TERM HOURS: 54 LEC, 0 LAB

The immediate and temporary care given in case of accident, illness and emergency childbirth. Course shall qualify students for the Standard or Advanced Red Cross First Aid Certificate. (CSU, UC)

HISTORY

HIST 100 (3 UNITS)

EARLY WORLD HISTORY

TERM HOURS: 54 LEC, 0 LAB

Early World History is a broad survey of the diverse societies of Africa, Asia, Europe, the Americas, and Oceania from prehistory through the 1400s. This course seeks to describe the emergence and development of civilizations, societies, trade, religions and cultures, and to recognize the interconnections between different peoples and across time. (CSU, UC)

HIST 101 (3 UNITS)

MODERN WORLD HISTORY

TERM HOURS: 54 LEC, 0 LAB

Modern World History is a broad survey of the diverse societies of Africa, Asia, Europe, the Americas, and Oceania from the 1400s to the present. This course emphasizes the political, cultural, social, imperial, and trade connections between western and non-western societies of the modern era. (CSU, UC)

HIST 110 (3 UNITS)

EARLY WESTERN CIVILIZATION

TERM HOURS: 54 LEC, 0 LAB

This course is a survey of the major developments in the Western heritage from the world of the ancient Greeks to 16th century Europe. Emphasis will be placed on the foundations of Western culture, religion, politics, economics, and society. (CSU, UC) (CAN HIST 2) (CAN HIST SEQ A = HIST 110 and HIST 111)

HIST 111 (3 UNITS)

MODERN WESTERN CIVILIZATION

TERM HOURS: 54 LEC, 0 LAB

This course is a study of the major developments in Western civilization from the 17th century to the present. Emphasis will be placed on the political, economic, cultural, social and intellectual changes and developments in Western society which have led to our modern global society. May be taken before HIST 110. (CSU, UC) (CAN HIST 4) (CAN HIST SEQ A = HIST 110 and HIST 111)

HIST 120 (3 UNITS)

UNITED STATES TO 1877

TERM HOURS: 54 LEC, 0 LAB

This course is a survey of American history from the pre-Columbian era to the end of Reconstruction. This course will cover the major political, economic, social, gender, racial, cultural and intellectual transformations of the colonial and early American eras. At the completion of this course students will have a broad understanding of the most important ideas, personalities, movements, and events in the colonial and early American periods. (CSU, UC) (CAN HIST 8) (CAN HIST SEQ B=HIST 120 and HIST 121)

HIST 121 (3 UNITS)

UNITED STATES FROM 1877

TERM HOURS: 54 LEC, 0 LAB

This course is a survey of American history from the end of Reconstruction to the present. This course will cover the major political, economic, social, gender, racial, cultural and intellectual transformations of the modern American eras. Of special note will be an examination of America's rise to global power. At the completion of this course students will have a broad understanding of the most important ideas, personalities, movements, and events in the modern period. (CSU, UC) (CAN HIST 10) (CAN HIST SEQ B = HIST 120 and HIST 121)

HIST 122 (3 UNITS)

HISTORY OF THE IMPERIAL VALLEY

TERM HOURS: 54 LEC, 0 LAB

A one semester survey of the history of the Imperial Valley from the earliest times to the present. The course will stress the development of communities, water resources, agriculture, and ethnic groups. (CSU)

HIST 130 (3 UNITS)

EARLY LATIN AMERICA

TERM HOURS: 54 LEC, 0 LAB

This course compares the different regions of Latin America from prehistory through the Early National Period, including Mexico, Central America, South America and the Caribbean. The course explores pre-Columbian American civilizations, European exploration and conquest, the colonial era, the independence movements, and the creation of nations. Emphasis is given to the economic and social changes, the political and legal struggles, and the cultural and intellectual evolution generated by the encounter of two cultures and the creation of a third distinctive culture. (CSU, UC)

HIST 131 (3 UNITS)

MODERN LATIN AMERICA

TERM HOURS: 54 LEC, 0 LAB

This course compares the nations and cultures of Latin America from the Early National Period to the present by studying the economic, social, political, and cultural evolution of the different regions, including Mexico, Central America, South America and the Caribbean. The region's changing interactions with and place in the international community and various other world factors are also explored. Emphasis is placed on the influence of various ethnic groups in the development of the different cultures of the region. (CSU, UC)

HIST 132 (3 UNITS)**HISTORY OF MEXICO****TERM HOURS: 54 LEC, 0 LAB**

This course is a one semester survey of Mexican history from prehistory to the present. The course will explore the Native American cultures of Mesoamerica, the period of colonization, the struggle for independence and nationhood in the 19th century, the Mexican Revolution, the era of population, and political and economic crisis during the 20th century, and national rebirth in the 21st century. (CSU, UC)

HIST 140 (3 UNITS)**EAST ASIAN HISTORY****TERM HOURS: 54 LEC, 0 LAB**

This course is an introductory survey of the major cultures of East Asia, including the political, social and economic developments of China, Korea, and Japan from the ancient period to the present. This course will illustrate not only the regional differences of East Asia, but also the commonalities that are shared, especially with regard to the major Asian philosophies and religions. The course will also look at the impact of Western culture on Asia and problems of political and economic modernization. (CSU) (UC)

HIST 150 (3 UNITS)**SURVEY OF AFRICAN HISTORY****TERM HOURS: 54 LEC, 0 LAB**

An introductory survey of African history from prehistory to the present. Emphasis will be on Africa's place in world history since 1500, with special attention paid to the legacy of colonialism, the interaction of Africans and the outside world, and the challenges faced by Africans since independence. (CSU) (UC)

HIST 160 (3 UNITS)**MIDDLE EAST FROM 600****TERM HOURS: 54 LEC, 0 LAB**

This course examines the history of the Middle East from the rise of Islam in the 600's through the present. It discusses the interplay of various peoples and cultures, and the powerful Islamic empires of the Caliphs, Seljuks, and Ottomans. Special emphasis is given to the impact of European and American political and economic imperialism, the spread of Arab nationalism and Islamic fundamentalism, and the region's current strategic position in global affairs. (CSU) (UC)

HIST 220 (3 UNITS)**WOMEN IN AMERICAN HISTORY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Eligible for placement in college English (ENGL 101). Any college level course in American History or Political Science.

A general survey of women's changing roles, status and contributions in American history from colonial times to the present. This course will analyze the social, political and economic aspects of women's lives and explore the ways in which race, ethnicity, and class influenced the American female experience. (CSU, UC)

HIST 222 (3 UNITS)**HISTORY OF CALIFORNIA****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Eligible for placement in college English (ENGL 101); any college level course in American History or Political Science.

A survey of the historical development of California from its earliest times to the present. The course provides an overview of both the physical characteristics and the diverse peoples of California and how they interacted and influenced the history of this state and its economic, social, cultural, and political institutions. This course may be of special interest to students planning a career in education. (CSU, UC)

HIST 223 (3 UNITS)**HISTORY OF THE AMERICAN WEST****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 or equivalent; any college level course in American History or Political Science.

A historical survey of the trans-Mississippi American West with an emphasis on expansionism; race and ethnic relations; economic development; political and legal trends; the shift from rural to urban settlement; social and cultural patterns; labor and economic issues; gender roles; immigration; and significant environmental changes. (CSU, UC)

HIST 226 (3 UNITS)**MEXICAN AMERICAN HISTORY, 1821 - 1930****TERM HOURS: 54 LEC, 0 LAB**

Recommended preparation: Completion of ENGL 100 or equivalent; any college level course in American History or Political Science.

A historical survey of Mexican American history in the Southwest from 1821 to 1930. Emphasis will be on examining the major social, cultural, economic, and political developments during this era. The course will also pay close attention to relationships with other social and racial groups. (CSU, UC)

HIST 227 (3 UNITS)**MEXICAN AMERICAN HISTORY SINCE 1930****TERM HOURS: 54 LEC, 0 LAB**

Recommended preparation: Completion of ENGL 100 or equivalent; any college level course in American History or Political Science.

A survey of Mexican American history in the Southwest from 1930 to the present. Emphasis will be on examining the major social, cultural, economic, and political developments during this era. The course examines relationships with other social and racial groups. (CSU, UC)

HIST 280 (3 UNITS)**RESEARCH TOPICS IN HISTORY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Eligible for placement in college English (ENGL 101). Any college level course in American or World History.

An indepth study of selected topics in history. These topics may be in the realm of cultural, economic, intellectual, political, or social history. Topic, time period, and region to be determined by the instructor. This course includes introductory historiography and historical methods and a significant research component. This course is designed to be taken by students in their last semester in the history major program. (CSU) (UC credit limited. See a counselor.)

HUMANITIES

HUM 100 (3 UNITS) **INTRODUCTION TO THE HUMANITIES** **TERM HOURS: 54 LEC, 0 LAB**

An exploratory course designed to introduce students to the major disciplines in the Humanities: art, architecture, literature, music, and dance. Examination of humanistic values and how they are reflected in the arts of world cultures. (CSU, UC)

HUM 212 (3 UNITS) **THE HISTORY AND APPRECIATION OF DANCE** **TERM HOURS: 54 LEC, 0 LAB**

Foundations of dance in western civilization. Dance as art, therapy, ritual and social discourse. Analysis of dance in film, video, and live performance. Appreciation for artistic intent, technique and style. (Same as PE 212) (CSU, UC)

HUM 230 (3 UNITS) **INTRODUCTION TO FILM HISTORY AND CRITICISM** **TERM HOURS: 36 LEC, 36 LAB**

The origin and development of movies as an entertainment industry, as a technological medium, and as an art form. Key films from different historical periods will be examined for their technological and artistic contributions to the art of film making. (Same as ENGL 230) (CSU, UC)

JOURNALISM

JRN 100 (3 UNITS) **INTRODUCTION TO JOURNALISM** **TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Eligibility for ENGL 100 or ENGL 101.

The course focuses on the newspaper as a vehicle for communication within a community. Students study basic components of print journalism, including types of articles, writing style, interview techniques, makeup and ethics. (CSU)

JRN 102 (3 UNITS) **NEWSPAPER PRODUCTION** **TERM HOURS: 0 LEC, 108 LAB**

Recommended Preparation: JRN 100.

Course provides a concrete introduction to principles and techniques of newspaper production through work on the student newspaper. Students assume specific staff positions with corresponding responsibilities for the paper's production. Lab work includes editing of stories, planning pages, headline writing, proofreading, and paste-up. Maximum credit nine units. (CSU)

JRN 104 (3 UNITS) **CAREER JOURNALISM** **TERM HOURS: 54 LEC, 0 LAB**

The course focuses on the newspaper as a vehicle for communication. Students study the basic components of print journalism including types of articles, writing styles, interview techniques and ethics. The student will prepare varied news stories with speed and accuracy and analyze news sources. Interviewing techniques will be applied to specific reporting situations covering campus and community functions. The student will prepare these articles for publication in the Imperial Valley Press. (CSU)

JRN 106 (3 UNITS) **PHOTOJOURNALISM** **TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: ART 110 and ART 170.

Photography applied to news media, public relations, and business. Instruction in basic and intermediate photojournalism style and technique using 35mm and digital cameras. Emphasis on communication of ideas by utilizing the various elements of the visual language. Maximum credit six units. (CSU)

LEGAL ASSISTANT

LEGL 121 (3 UNITS) **LEGAL RESEARCH** **TERM HOURS: 54 LEC, 0 LAB**

Introduction to legal research and writing. The course will provide a comprehensive working knowledge of and an understanding of legal research materials and tools. The course covers the traditional and basic methods of legal research, sources of applicable statutory law and case law information including use of Shepard's Citations and the Lexis and Westlaw computerized legal search systems. Students will learn to develop research strategies. In addition, students will learn to write legal memoranda and briefs. (CSU)

LEGL 122 (3 UNITS) **CIVIL PROCEDURES AND FAMILY LAW** **TERM HOURS: 54 LEC, 0 LAB**

Course consists of two Modules. The first is Civil Procedure and the second is Family Law. The Civil Procedure Module covers theory, concept, rules, types of evidence, proving Prima Facie Cases, rules governing witness testimony, federal and state court systems, procedure for the removal of State Courts Actions for transfer to the Federal Court System, initiation of Federal and State Court Actions, remedies available under Law and Equity. Alternative Dispute Resolution Methods, drafting and filing Complaints, Answers, Counterclaims, Pre-Trial Motions, and In-Court Trial Procedures. The Family Law module covers Elements of Marriage under the Law, Common Law marriage, relationships that can exist when one party enters into an invalid marriage, ante-nuptial agreements, dissolution of marriage, child-support rights, division of Community Property in Community and Non-Community Property States and the Uniform Child Custody Jurisdiction Act. (CSU)

LEGL 123 (3 UNITS) **CIVIL DISCOVERY AND TORTS** **TERM HOURS: 54 LEC, 0 LAB**

This course consists of two Modules. The first is Civil Discovery and the second is Torts. The Civil Discovery Module discusses the purpose of Discovery, Devices used in Discovery, Scope of Discovery, Deposition Process, Categories of Information that can be obtained via Interrogatories, drafting Interrogatories, addressing objectives, handling answers to Interrogatories, and how Discovery Rights can be enforced. The second Module covers Categories of Torts, Definition of words, phrases, and terms related to Tort Law, the elements of Negligence, Tort Actions in survival and wrongful death, causes of action of Product Liability, Defenses that can be raised in Product Liability Cases, Warranties, International Torts, Torts connected with Land, Business Torts, Doctrine of Strict Liability, and Privilege, Immunity, and Consent in Reference to Tort Liability. (CSU)

LEGL 124 (3 UNITS)
CORPORATIONS AND BANKRUPTCY
TERM HOURS: 54 LEC, 0 LAB

This course consists of two Modules. The first is Corporations and the second is Bankruptcy. The Corporations Module covers the characteristics, classification, advantages and disadvantages of Corporations, the statutes related to Close Corporations, nature of Sub-Chapter S Corporations, purpose of a Professional Corporation legal process in incorporation, the various classes of corporate stock. Also discussed are partnership, syndicates, and joint ventures, procedures for forming a partnership, limited partnership, nature and advantages and disadvantages of a Limited Liability Company. The Bankruptcy Module covers the nature and purpose of Bankruptcy, basic differences between Federal Bankruptcy and State Debtor-Creditor Law, Bankruptcy Statutes, various chapters of Bankruptcy Code, general forms of Bankruptcy relief, duties of the Bankruptcy Trustee in keeping the various chapters. Also covered are the initiation, filing and technical aspects of voluntary bankruptcy under Chapter 7 and 11, exempt property, set offs, fraudulent transfers, property transfers after filing bankruptcy, the effect of Bankruptcy on unsecured claims leases, executory contracts, obligations that are discharged by bankruptcy, Chapter 11 and 13 Bankruptcy proceedings and Bankruptcy documentation. (CSU)

LEGL 125 (3 UNITS)
REAL ESTATE LAW FOR LEGAL ASSISTANTS
TERM HOURS: 54 LEC, 0 LAB

Course consists of one Module. It covers origins of Property Law, source of Law, definitions of technical terms in reference to Law, court actions that are available under Law and Equity, Federal and State Court Systems, definition of terms in reference to Property, Property Rights, components that are part of land, classification of Estates, elements of Real Estate Contracts, Role and Compensation of Real Estate Brokers, technical aspects of a Real Estate Purchase Contract and Receipt for Deposit, Agency Law, methods acquisition and transfer of title of Real Property, types and forms of Deeds, purpose and use of Escrows, duties and responsibilities of Escrow Agents, creation and types of Liens, Homesteads, purpose of Title Insurance, Restrictions placed on land use, technical description of land, investment regulation affecting real property, Easements, Encroachments, Nuisances, and the technical aspects of leases. (CSU)

LEGL 126 (3 UNITS)
WILLS, TRUSTS, PROBATE, AND ESTATE ADMINISTRATION
TERM HOURS: 54 LEC, 0 LAB

Course covers definition of technical terms used in probate, trusts and estate administration, sources of law relating to wills, trusts, and estate administration, types and forms of property and property ownership, the specific duties of probate Legal Assistant, rules and general patterns of succession under the UPC, the effect of prior transactions on intestate succession, process for determining validity of wills and the basic requirements of a valid will, various types of wills authorized by Law, papers and other evidence that are components of a will, preparation and execution of a formal attested will, revocation of wills, disposition of property under will, methods for settling a decedent's estate, informal estate proceedings under the UPC, specific tasks performed by a Legal Assistant in formal estate administration, procedures for payment of decedent's debts and claims, special proceedings in probate, preparation and filing of tax returns, procedural requirements of formal accountings, role of Legal Assistant in the distribution of estates, nature and administration of trusts, guardianships, and conservatorships, and the professional responsibilities of Probate Legal Assistant. (CSU)

LIBRARY TECHNICIAN

LBRY 151 (3 UNITS)
INTRODUCTION TO LIBRARY SERVICES
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Eligibility for ENGL 098 and ENGL 088 and CIS 100 or familiarity with the use of a personal computer. An introduction to all types of libraries and their organization. This course is designed for students interested in employment as library technicians. Basic philosophy, policies, terminology, procedures, tools, techniques, services and current trends in today's library will be covered. (CSU)

LBRY 152 (3 UNITS)
LIBRARY TECHNICAL SERVICES
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Eligibility for ENGL 098 and ENGL 088 and completion of LBRY 151. An introduction to the various tasks in the technical services area of a library, including ordering, receiving, processing and conservation of library materials, and the impact of computers and networking on technical services activities and procedures, and a brief overview of cataloging and classification of library materials. (CSU)

LBRY 153 (3 UNITS)
LIBRARY PUBLIC SERVICES
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Eligibility for ENGL 098 and ENGL 088 and completion of LBRY 151. This course covers the role and philosophy of public services in a library environment. Topics will include the public service function in different types of libraries, computers and the library, library instruction, interlibrary loan, circulation services, reserve services, special collections, serials services, government information, public relations, and security issues. (CSU)

LBRY 154 (3 UNITS)
INTRODUCTION TO MEDIA SERVICES
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Eligibility for ENGL 98 and ENGL 088 and completion of LBRY 151. This course will cover the provision and utilization of media services in the library setting. Included will be the history and philosophy of media services, operation of various types of media equipment, scheduling, tracking, troubleshooting and the minor repair of media equipment. Acquisition of rental material will also be covered. (CSU)

LBRY 155 (3 UNITS)
INTRODUCTION TO CATALOGING AND CLASSIFICATION
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: LBRY 151 and LBRY 152; eligibility for ENGL 098 and ENGL 088; and, CIS 100 or familiarity with the use of a personal computer. An introduction to the theory and application of basic principles of International Standard Bibliographic Description (ISBD), subject cataloging, and classification through adherence to standards used in most libraries. Using universally accepted cataloging and classification tools, students will learn how to organize materials in various formats and by subject. Machine-readable catalog record (MARC) formats are used in the course for creating, editing, inputting, and producing computerized bibliographic records. (CSU)

LBRY 156 (3 UNITS)
INFORMATION AND REFERENCE SERVICES
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Eligibility for ENGL 098 and ENGL 088 and completion of LBRY 151.

This course will cover the range of information and reference services offered in libraries. Topics will include the reference interview, bibliographic control, organization of information, search strategies, electronic reference services, trends in reference, library instruction, staff training and development, evaluation of reference services, organization and management of reference and information services, various types of reference materials and a philosophy of service. (CSU)

MATHEMATICS

MATH 040 (1 UNITS)
MATH STUDY SKILLS
TERM HOURS: 18 LEC, 0 LAB

Recommended Preparation: Concurrent enrollment in a math course. A course designed to help students overcome obstacles which affect success in mathematics courses. Topics include: reducing math anxiety, improving math test taking skills, refining listening and note taking skills. Offered Credit/No Credit only. (Nontransferable, nondegree applicable)

MATH 060 (1 UNITS)
MATH LAB
TERM HOURS: 36 LAB

Concurrent enrollment in MATH 070, MATH 080, or MATH 090 required.

A laboratory where students work on material that accompanies the remedial mathematics course in which they are enrolled. Involves individualized instruction and use of media and computers. This course is offered on a Credit/No Credit basis. The 36 required hours must be undertaken in the Math Lab. Maximum credit 4 units. (Non-transferable. Non-degree applicable)

MATH 070 (3 UNITS)
BASIC MATHEMATICS
TERM HOURS: 54 LEC, 0 LAB

Brief review of arithmetic including fractions, decimals, percent, square root, and an introduction to algebra. (Nontransferable, nondegree applicable)

MATH 080 (3 UNITS)
BEGINNING ALGEBRA
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Appropriate placement recommendation or MATH 070 with a grade of "C" or higher.

A one-semester course which covers the material generally included in a first year high school algebra course. Topics covered include the real number system, variable expressions, solving equations, polynomials, factoring rational expressions, graphs and linear equations, systems of linear equations, inequalities and radical expressions. (Nontransferable. Non-degree applicable.)

MATH 090 (4 UNITS)
INTERMEDIATE ALGEBRA
TERM HOURS: 72 LEC, 0 LAB

Recommended Preparation: Appropriate placement recommendation or MATH 080 with a grade of "C" or higher.

This one semester course is equivalent to a second year algebra

course offered in a full year in high school. Topics covered include the real number system, polynomials, rational expressions, exponential and radical forms, linear and quadratic equations, relations, functions and graphs, systems of equations and logarithmic and exponential functions. (Nontransferable, AA/AS degree only)

MATH 092 (1 UNITS)
GRAPHING CALCULATORS
TERM HOURS: 18 LEC, 0 LAB

Recommended Preparation: MATH 080 with a grade of "C" or better.

This course is designed to teach students how to use their graphing calculators. No particular mathematics prerequisites are needed for the examples employed. The focus is on the use of the calculator itself. The course takes the student through the basic steps needed to do arithmetic and function evaluation and to enter, graph, and tabulate functions. It will also teach the students to use higher-level applications. The topics to be covered are: graphing, lists, statistics, tables, functions, draw, programming, regression equations, and linking. (Nontransferable, nondegree applicable)

MATH 110 (3 UNITS)
NUMBER SYSTEMS IN ELEMENTARY MATHEMATICS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

Recommended for students who are working towards a teaching credential in elementary education. Topics discussed are sets and relations, development of the number system from the natural numbers including whole, rational and real numbers, decimals and percents, number theory, ratio and proportion. (CSU) (UC credit limited. See a counselor) (CAN MATH 4)

MATH 112 (3 UNITS)
GEOMETRY IN ELEMENTARY MATHEMATICS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

Recommended for students who are working towards a teaching credential in elementary education. Topics discussed are probability and statistics, geometry, geometric constructions, rotations, translations, measurements and problem solving. (CSU) (UC credit limited. See a counselor)

MATH 113 (1 UNITS)
MATHEMATICS SOFTWARE - GEOMETER'S SKETCHPAD
TERM HOURS: 18 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

An introduction to Geometer's Sketchpad. Geometer's Sketchpad will be used to perform geometrical tasks, develop geometrical theory, and to create presentations and lessons in geometry. (CSU)

MATH 114 (1 UNITS)
CHILDREN'S MATHEMATICAL THINKING
TERM HOURS: 18 LEC, 0 LAB

Recommended Preparation: Concurrent Enrollment or Completion of MATH 110 with a grade of "C" or better.

Explore children's mathematical thinking with in-depth analysis of their understanding of operations, place value, algorithms, and multiple representations of problems. Examine interviews of children to assess understanding of mathematics topics, then plan tutoring sessions on basis of interviews. (CSU)

MATH 120 (3 UNITS)
INTRODUCTORY STATISTICS WITH APPLICATIONS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or higher or appropriate placement.

Graphical representation of statistical data, calculations and uses of various averages, measures of variability, introduction to probability distributions, confidence intervals, sample size determination and hypothesis testing, ANOVA, linear regression and Chi-square analysis. (CSU, UC) (CAN STAT 2)

MATH 121 (1 UNITS)
MATHEMATICS SOFTWARE - FATHOM
TERM HOURS: 18 LEC, 0 LAB

Prerequisite: MATH 120 or current registration in MATH 120.

An introduction to Fathom, a statistical package designed for educational purposes. Fathom will be used to develop and enhance the central concepts of elementary statistics, including but not limited to: Central Tendency, Beginning Probability, Confidence Intervals, Linear Regression, and Data Representation. (CSU)

MATH 122 (3 UNITS)
FINITE MATHEMATICS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

Finite mathematics is a course designed to introduce interesting, relevant, and realistic applications for a variety of fields including, business and economics. This course incorporates the use of technology to allow, increased visualization and a better understanding of concepts. It satisfies the mathematics general education requirement and is transferable. It is an excellent course for those students who will not need any other mathematics classes for their degree. Topics included in this course are linear processes, matrices, graph theory, probability, statistics, game theory, and finance. The mathematics of finance involves compound interest, present and future values, annuities, etc. (CSU, UC)

MATH 130 (3 UNITS)
PROGRAMMING IN FORTRAN
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: MATH 090 with a grade of "C" or better.

A practical course covering the fundamentals of Fortran Programming Language as adapted to a variety of different applications. (CSU, UC) (CAN CSCI 4)

MATH 140 (3 UNITS)
TRIGONOMETRY
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

Right angle trigonometry and applications, unit circle trigonometry, graphs of trigonometric functions, inverse trigonometric functions, trigonometric identities, solving triangles using the Laws of Sines and Cosines, and polar coordinates. (CSU)

MATH 150 (4 UNITS)
COLLEGE ALGEBRA
TERM HOURS: 72 LEC, 0 LAB

Prerequisite: MATH 090 with a grade of "C" or better.

A continuation of the study of algebra. Attention will be paid to

polynomial and rational functions, Exponential and Logarithmic functions, and Matrix Algebra. Additional topics include systems of equations, Linear Programming, and Analytic geometry. (CSU, UC)

MATH 170 (4 UNITS)
INTRODUCTORY CALCULUS WITH APPLICATIONS
TERM HOURS: 72 LEC, 0 LAB

Prerequisite: MATH 150 with a grade of "C" or better.

To prepare for courses for which calculus is recommended and/or required. To study the ideas and concepts of advanced mathematics as applied to a modern computerized society. Topics covered include pre-calculus concepts, functions, differentiation, integration, differential equations, and functions of several variables. (CSU) (UC credit limited. See a Counselor.) (Formerly MATH 124)

MATH 190 (5 UNITS)
PRE-CALCULUS
TERM HOURS: 90 LEC, 0 LAB

Prerequisite: MATH 140 or equivalent with a grade of "C" or higher or appropriate placement.

This is a course intended for students who need a thorough foundation before attempting calculus. Included will be the study of the real number system, exponential, logarithmic, and trigonometric functions, the complex numbers, theory of equations, and systems of equations. (CSU) (UC credit limited. See a counselor.) (CAN MATH 16)

MATH 192 (5 UNITS)
CALCULUS I
TERM HOURS: 90 LEC, 0 LAB

Prerequisite: MATH 190 or equivalent with a grade of "C" or higher or appropriate placement.

Concepts dealing with limits, continuity, differentiation and applications, integration and applications, exponential and logarithmic functions, and other transcendental functions. (CSU) (UC credit limited. See a counselor.) (CAN MATH 18) (CAN MATH SEQ B = MATH 192 and MATH 194) (CAN MATH SEQ C = MATH 192 and MATH 194 and MATH 210)

MATH 194 (5 UNITS)
CALCULUS II
TERM HOURS: 90 LEC, 0 LAB

Prerequisite: MATH 192 with a grade of "C" or better.

Concepts dealing with integration applications, methods of integration, infinite series, plane analytic geometry, parametric equations and polar coordinates. (CSU, UC) (CAN MATH 20) (CAN MATH SEQ B = MATH 192 and MATH 194) (CAN MATH SEQ C = MATH 192 and MATH 194 and MATH 210)

MATH 210 (5 UNITS)
CALCULUS III
TERM HOURS: 90 LEC, 0 LAB

Prerequisite: MATH 194 with a grade of "C" or better.

Concepts dealing with partial differentiation, multiple integration, vectors and vector analysis. (CSU, UC) (CAN MATH 22) (CAN MATH SEQ C = MATH 192 and MATH 194 and MATH 210)

MATH 220 (3 UNITS)
ELEMENTARY DIFFERENTIAL EQUATIONS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 194 with a grade of "C" or better.
 First order differential equations with applications. Linear differential equations of higher order. Applications of second order differential equations, differential equations with variable coefficients. Laplace transforms. (CSU, UC) (CAN MATH 24)

MATH 230 (3 UNITS)
INTRODUCTION TO LINEAR ALGEBRA WITH APPLICATIONS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 194 with a grade of "C" or better.
 A first course in linear algebra intended for students majoring in mathematics, the physical sciences, engineering or business. Topics included are: systems of linear equations, matrices and determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, and selected applications. (CSU, UC) (CAN MATH 26)

MATH 240 (3 UNITS)
DISCRETE MATHEMATICS
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: MATH 192 with a grade of "C" or better.
 This course is an introduction to the theory of discrete mathematics and introduces elementary concepts in logic, set theory, graph theory, number theory and combinatorics. This forms a basis for upper division courses in mathematics and computer science, and is intended for the transfer student planning to major in these disciplines. The topics covered in this course include methods of proof, sets permutations, combinations, and graph theory. (CSU, UC)

MATH 241 (1 UNITS)
MATHEMATICS SOFTWARE - MATLAB
TERM HOURS: 18 LEC, 0 LAB

Prerequisite: MATH 192 with a grade of "C" or better.
 Recommended Preparation: Any one of the following - CIS 200, CIS 202, CIS 204, OR CIS 208.
 An introduction to MATLAB. MATLAB will be used to perform tasks in Algebra, Calculus, and Linear Algebra. There will be an emphasis on writing programs using MATLAB to perform these tasks. (CSU)

MUSIC

MUS 100 (3 UNITS)
INTRODUCTION TO MUSIC FOUNDATIONS
TERM HOURS: 54 LEC, 0 LAB

An introduction to basic concepts of music. The development of the skills and knowledge needed to read music, to hear music, and to use some instrument (including the voice) with skill. (CSU) (UC credit limited. See a counselor.)

MUS 102 (3 UNITS)
INTRODUCTION TO MUSIC LITERATURE AND LISTENING
TERM HOURS: 54 LEC, 0 LAB

An introduction to music literature with emphasis on the listening experience. Students study the expressive materials of music and the major forms of music literature. Emphasis placed on the skills and understanding necessary for lifelong music listening experiences. (CSU, UC)

MUS 104 (3 UNITS)
INTRODUCTION TO TWENTIETH-CENTURY MUSIC
TERM HOURS: 54 LEC, 0 LAB

An introduction to contemporary music. Study includes twentieth-century art music, country western, and popular music with emphasis on the social and artistic factors that influence the development of each. (CSU, UC)

MUS 110 (2 UNITS)
BEGINNING MUSICIANSHIP I
TERM HOURS: 36 LEC, 0 LAB

Required of all music majors. A course designed to present basic skills and theory of music for persons interested in a background for appreciation of or further studies in music. Skills to be studied and developed are sight-singing, ear-training, keyboard harmony, and basic piano skills. (CSU, UC)

MUS 112 (2 UNITS)
BEGINNING MUSICIANSHIP II
TERM HOURS: 36 LEC, 0 LAB

Continuation of MUS 110. (CSU, UC)

MUS 120 (3 UNITS)
BEGINNING HARMONY I
TERM HOURS: 54 LEC, 0 LAB

Sight-singing, dictation and keyboard harmony. Traditional diatonic harmony, four-voice writing, analysis. (CSU, UC)

MUS 122 (3 UNITS)
BEGINNING HARMONY II
TERM HOURS: 54 LEC, 0 LAB

A continuation of MUS 120. (CSU, UC)

MUS 140 (1 UNITS)
BEGINNING GROUP PIANO I
TERM HOURS: 18 LEC, 36 LAB

A course structured to correlate those musical skills, techniques and understanding which are basic to comprehensive keyboard musicianship at the early level of study. (CSU, UC)

MUS 142 (1 UNITS)
BEGINNING GROUP PIANO II
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 140. (CSU, UC)

MUS 150 (1 UNITS)
BEGINNING VOICE I
TERM HOURS: 18 LEC, 36 LAB

The student receives guidance in the performance and appreciation of the various types of solo songs while acquiring the facilities for good vocal technique. Principles are applied through group and individual singing. (CSU, UC)

MUS 152 (1 UNITS)
BEGINNING VOICE II
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 150. (CSU, UC)

MUS 154 (1 UNITS)
CHAMBER SINGERS
TERM HOURS: 36 LEC, 18 LAB

A study and performance representative of music of all styles, sacred and secular, a cappella, and accompanied. A minimum of six outside performances required each semester. Maximum credit four units. (CSU, UC)

MUS 156 (1 UNITS)
COLLEGE - COMMUNITY CHORUS
TERM HOURS: 36 LEC, 18 LAB

Open to all students who have an interest in learning to sing and who enjoy music. Breath control, tone placement, articulation and enunciation. Rehearsal, performance and study of choral literature. Introduction to music theory as a means of learning to read music rather than learning by rote. Maximum credit four units. (CSU, UC)

MUS 160 (1 UNITS)
BEGINNING GUITAR I
TERM HOURS: 18 LEC, 36 LAB

A basic course on how to accompany with the guitar. Stress will be placed on tuning, chording, different types of strums and elementary transposition. (CSU, UC)

MUS 162 (1 UNITS)
BEGINNING GUITAR II
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 160 with the following additions: 1. Reading music (standard musical notation); 2. A thorough presentation of bar chords including sevenths, ninths, diminished, augmented, and various altered chords; 3. Advanced picking techniques. (CSU, UC)

MUS 171 (1 UNITS)
CHAMBER ORCHESTRA
TERM HOURS: 36 LEC, 18 LAB

A study and performance of literature for a small orchestra. Performances in local communities and on campus are required. Fieldtrips to other musical events will be included to help performers develop efficient listening and evaluating practices. Solo and ensemble rehearsals and performances are included. Maximum credit four units. (CSU, UC)

MUS 172 (1 UNITS)
COLLEGE - COMMUNITY BAND
TERM HOURS: 36 LEC, 18 LAB

A performance organization specializing in a wide range of literature for the wind band. The primary objective will be to provide the continuing music performing experiences needed by community adults, music educators, and advanced high school students. Maximum credit four units. (CSU, UC)

MUS 173 (1 UNITS)
CONCERT BAND
TERM HOURS: 36 LEC, 18 LAB

A performance organization specializing in literature for the wind band. Students will be afforded the opportunity to develop the musical skills and understanding necessary for the highest levels of expressive ensemble performance. Scheduled public performances are a part of the course obligations. Maximum credit four units. (CSU, UC)

MUS 174 (1 UNITS)
ESTUDIANTINA
TERM HOURS: 36 LEC, 18 LAB

A performance organization that is open to all students who wish to perform traditional and popular music of Spanish and Latin origin. Songs are sung in both Spanish and English. The ensemble is for singers and instrumentalists who play guitar, piano, bass or percussion. Maximum credit four units. (CSU, UC)

MUS 175 (1 UNITS)
INSTRUMENTAL ENSEMBLE
TERM HOURS: 36 LEC, 18 LAB

A performance organization specializing in literature for string, brass, woodwind, and percussion ensembles, or any combination thereof. Designed for musicians who wish to explore, rehearse, and perform literature of all styles and periods. Maximum credit four units. (CSU, UC)

MUS 176 (1 UNITS)
REHEARSAL AND PERFORMANCE
TERM HOURS: 0 LEC, 54 LAB

Enrollment contingent upon participation in campus major musical production. Maximum credit, one unit per semester for four semesters. Hours to be arranged. Maximum credit four units. (CSU, UC)

MUS 177 (1 UNITS)
STAGE BAND
TERM HOURS: 36 LEC, 18 LAB

A performance ensemble specializing in the literature of the stage and jazz band tradition. Students will be provided ensemble experiences necessary for developing and refining improvisation techniques and performance practices appropriate to jazz, rock, blues, and swing music traditions. Maximum credit four units. (CSU, UC)

MUS 178 (1 UNITS)
SYMPHONY ORCHESTRA
TERM HOURS: 36 LEC, 18 LAB

The study and performance of literature for full symphony orchestra in a wide variety of styles. Performances in local communities and on campus are required. Maximum credit four units. (CSU, UC)

MUS 179 (1 UNITS)
APPLIED MUSIC
TERM HOURS: 18 LEC, 9 LAB

A course designed to provide students with a concentrated sequence of private instruction in music within a particular performing medium. One section meeting per week on campus, in addition to private instruction. As required conditions, the student must: 1. Secure a teacher approved by the College. 2. Take a minimum of one 30 minute lesson per week. 3. Meet one hour of class per week on campus for performance as scheduled and turn in weekly lesson attendance form. Maximum credit four units. (CSU, UC)

MUS 180 (2 UNITS)
MIDI COMPOSITION
TERM HOURS: 18 LEC, 54 LAB

Recommended Preparation: MUS 100 or MUS 120.

A study of computer hardware, sequencing software, and peripheral devices as they relate to composing music. Topics include: fundamentals of computers, synthesizer operations, MIDI sequencing, music notation, and internet resources for musicians. Elementary piano skills and basic theory will also be taught so that each student can employ the elements of music composition in a hands on interactive way. Maximum credit four units. (CSU)

MUS 182 (2 UNITS)
INTRODUCTION TO RECORDING TECHNIQUES
TERM HOURS: 36 LEC, 18 LAB

This course is a study in the art of digital audio recording and how to record in the IVC Digital Recording Studio. The curriculum will cover the signal flow the mixing console as it applies to recording, microphones and techniques of application, signal processing, digital recording operation and the use of digital audio/sequencing software. (CSU)

MUS 184 (2 UNITS)
ADVANCED RECORDING TECHNIQUES
TERM HOURS: 18 LEC, 36 LAB

Prerequisites: MUS 182.

This course is a continuation in the study of digital audio recording and how to make a professional sounding compact disk using the IVC Digital Recording Studio. The curriculum will cover alleviating basic problems in the recording process, console automation, SMPTE and MIDI synchronization, the fundamentals involved in a mix-down and the skills for planning and executing a recording session. (CSU)

MUS 200 (3 UNITS)
HISTORY AND LITERATURE OF MUSIC I
TERM HOURS: 54 LEC, 0 LAB

The historical development of music with a study of various types of music from stylistic periods as a medium of cultural development. Intended as a background toward further studies in music for the music major and persons interested in a thorough background for enjoying music. (CSU, UC)

MUS 202 (3 UNITS)
HISTORY AND LITERATURE OF MUSIC II
TERM HOURS: 54 LEC, 0 LAB

A continuation of MUS 200. (CSU, UC)

MUS 210 (2 UNITS)
INTERMEDIATE MUSICIANSHIP I
TERM HOURS: 36 LEC, 0 LAB

A continuation of MUS 110 and MUS 112 to increase skills in sight-singing, ear-training, and keyboard harmony. (CSU, UC)

MUS 212 (2 UNITS)
INTERMEDIATE MUSICIANSHIP II
TERM HOURS: 36 LEC, 0 LAB

A continuation of MUS 210. (CSU, UC)

MUS 220 (3 UNITS)
INTERMEDIATE HARMONY I
TERM HOURS: 54 LEC, 0 LAB

A comprehensive study of the theory of music to include skills and creative experiences in traditional harmony. An introduction to 20th century harmonic and melodic systems. (CSU, UC)

MUS 222 (3 UNITS)
INTERMEDIATE HARMONY II
TERM HOURS: 54 LEC, 0 LAB

A continuation of MUS 220. (CSU, UC)

MUS 240 (1 UNITS)
INTERMEDIATE GROUP PIANO I
TERM HOURS: 18 LEC, 36 LAB

A course structured for those students who have attained the performance skill competencies required in Beginning Group Piano. (CSU, UC)

MUS 242 (1 UNITS)
INTERMEDIATE GROUP PIANO II
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 240. (CSU, UC)

MUS 250 (1 UNITS)
INTERMEDIATE VOICE I
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 152. (CSU, UC)

MUS 252 (1 UNITS)
INTERMEDIATE VOICE II
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 250. (CSU, UC)

MUS 260 (1 UNITS)
INTERMEDIATE GUITAR I
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 162. (CSU)

MUS 262 (1 UNITS)
INTERMEDIATE GUITAR II
TERM HOURS: 18 LEC, 36 LAB

A continuation of MUS 260. (CSU)

NURSING: ASSOCIATE DEGREE

NURS 089 (1 UNITS)
INDIVIDUAL STUDIES: NURSING ASSOCIATE DEGREE
TERM HOURS: 0 LEC, 54 LAB

Prerequisite: Admission to the Nursing Program.

This course is designed to facilitate the learning of nursing knowledge, skills, and concepts through individualized, computer enhanced and mediated instructions. It is open to students in the Nursing Program and recent graduates from the Nursing Program who seek additional NCLEX-RN preparation. Maximum credit six units. (Nontransferable, nondegree applicable)

NURS 090 (1 UNITS)
NURSING REENTRY SKILLS LABORATORY I
TERM HOURS: 0 LEC, 54 LAB

Prerequisite: Successful completion of First Semester Nursing Level Skills and Clinical Courses Corequisite: Enrollment in appropriate level nursing theory course.

This course builds on theory, skills and clinical applications learned in previous semester(s). Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by a skills checkoff by an instructor. A competency skills exam will be administered prior to completion of the course to assure that the student has met conditions of reentry into the appropriate nursing course(s). This course is intended for students who have successfully passed a nursing skills and clinical course, but earned a below passing score in a theory course that must be repeated, or for students who have dropped out of a semester of nursing and are now attempting to return to the program. (Nontransferable, nondegree applicable)

NURS 092 (1 UNITS)**NURSING REENTRY SKILLS LABORATORY II****TERM HOURS: 0 LEC, 54 LAB**

Prerequisite: Successful completion of Second Semester Nursing Level Skills and Clinical Courses.

Corequisite: Enrollment in appropriate level nursing theory course. This course builds on theory, skills and clinical applications learned in previous semester(s). Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by a skills checkoff by an instructor. A competency skills exam will be administered prior to completion of the course to assure that the student has met conditions of reentry into the appropriate nursing course(s). This course is intended for students who have successfully passed a nursing skills and clinical course, but earned a below passing score in a theory course that must be repeated, or for students who have dropped out of a semester of nursing and are now attempting to return to the program. (Nontransferable, nondegree applicable)

NURS 094 (1 UNITS)**NURSING REENTRY SKILLS LABORATORY III****TERM HOURS: 0 LEC, 54 LAB**

Prerequisite: Successful completion of Third Semester Nursing Level Skills and Clinical Courses.

Corequisite: Enrollment in appropriate level nursing theory course. This course builds on theory, skills and clinical applications learned in previous semester(s). Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by a skills checkoff by an instructor. A competency skills exam will be administered prior to completion of the course to assure that the student has met conditions of reentry into the appropriate nursing course(s). This course is intended for students who have successfully passed a nursing skills and clinical course, but earned a below passing score in a theory course that must be repeated, or for students who have dropped out of a semester of nursing and are now attempting to return to the program. (Nontransferable, nondegree applicable)

NURS 096 (1 UNITS)**NURSING REENTRY SKILLS LABORATORY IV****TERM HOURS: 0 LEC, 54 LAB**

Prerequisite: Successful completion of Fourth Semester Nursing Level Skills and Clinical Courses.

Corequisite: Enrollment in appropriate level nursing theory course. This course builds on theory, skills and clinical applications learned in previous semester(s). Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by a skills checkoff by an instructor. A competency skills exam will be administered prior to completion of the course to assure that the student has met conditions of reentry into the appropriate nursing course(s). This course is intended for students who have successfully passed a nursing skills and clinical course, but earned a below passing score in a theory course that must be repeated, or for students who have dropped out of a semester of nursing and are now attempting to return to the program. (Nontransferable, nondegree applicable)

NURS 100 (1 UNITS)**MEDICATION MATHEMATICS****TERM HOURS: 18 LEC, 0 LAB**

Prerequisite: Application and/or admission to the Nursing Program. Recommended preparation: MATH 090 or higher.

This course focuses on those components of safe medication calculation and administration. The emphasis is on accuracy of calculation and the critical thinking involved in client safety. This is an intense class on med math calculations that is required of all nursing majors. Clinical application is integrated into the clinical nursing course. A CD with the class syllabus can be purchased for \$2.00. (CSU)

NURS 110 (4.5 UNITS)**NURSING PROCESS I****TERM HOURS: 81 LEC, 0 LAB**

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101; Psychology 101; BIOL 200 and 202 OR BIOL 204 and 206; BIOL 220 with grades of "C" or better and admission to the Nursing program.

Corequisite(s): NURS 100, NURS 111; NURS 112; NURS 116; and, SOC 101 OR ANTH 102.

This course is designed as the introductory course in the nursing program and incorporates previous science, psychology, and communication theory. Theoretical concepts basic to the provision of safe nursing practice are introduced. The Scope of Practice of the Registered Nurse and other members of the health care team are examined. Components of the nursing process are reviewed. Through utilization of developmental theories (primarily Erikson) and the Roy Adaptation Model, this course focuses on the nursing role as communicator, provider of care, and client teacher for individuals experiencing adaptation problems across the lifespan in the physiologic mode, psychologic mode, and selected adaptation problems. Parameters of health are defined and philosophies of nursing are investigated. The aging process is introduced. The physical and psychological needs of the normal and ill individual are explored. Pain assessment, interventions, and evaluation are discussed. Basic nutrition is introduced as one of the caring practices involved in client care. Stress, adaptation, and communication skills are stressed as important nursing roles. Variations in nursing care for individuals of different socio-economic and cultural backgrounds will be considered. Students will be required to purchase malpractice liability insurance (\$13). Assessment testing fees of \$105 will also be required as well as the required uniforms and supplies. Upon admission to the program, all students must successfully complete a background check and drug screen. The fees are paid to American Databank (www.americandatabank.com). Failure to pass the background check or drug screen will prevent students from completing their clinical requirements of the program. Estimated cost for uniforms is between \$75 to \$145 depending on desired number of uniforms, and \$20 to \$50 for supplies. A physical exam, immunizations, and lab work will be required and the student may incur a cost, depending on the student's health care practitioner. Students may also utilize the services of the IVC Student Health Center. A CD with the class syllabus can be purchased for \$2. (CSU)

NURS 111 (1.5 UNITS)
NURSING SKILLS LABORATORY I
TERM HOURS: 0 LEC, 81 LAB

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101; Psychology 101; BIOL 200 and 202 OR BIOL 204 and 206; BIOL 220 with grades of "C" or better and admission to the Nursing program.

Corequisite(s): NURS 110; NURS 112; NURS 116; and, SOC 101 OR ANTH 102.

Recommended Preparation: NURS 100 Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by skills checkoff by an instructor. Skills theory will be part of the demonstration. (CSU)

NURS 112 (4 UNITS)
NURSING PROCESS APPLICATION I
TERM HOURS: 0 LEC, 216 LAB

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101; Psychology 101; BIOL 200 and 202 OR BIOL 204 and 206; BIOL 220 with grades of "C" or better and admission to the Nursing program.

Corequisite(s): NURS 110; NURS 111; NURS 116; and, SOC 101 OR ANTH 102.

Recommended Preparation: NURS 100.

This course involves clinical application of both theoretical concepts taught in Nursing Process I (NURS 110) and tactile skills taught in Nursing Skills Laboratory I (NURS 111). All aspects of the nursing process will be applied to client situations. (CSU)

NURS 116 (2 UNITS)
PHARMACOLOGY AND MEDICATION ADMINISTRATION
TERM HOURS: 36 LEC, 0 LAB

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101; Psychology 101; BIOL 200 and 202 OR BIOL 204 and 206; BIOL 220 with grades of "C" or better and admission to the Nursing program.

Co-Requisite(s): NURS 100; NURS 110; NURS 111; NURS 112; and SOC 101 OR ANTH 102.

Recommended Preparation: MATH 080 with a grade of "C" or better or higher level course.

This course focuses on those components of pharmacology related to safe nursing care. The course includes information about the general classifications of drugs and principles of therapy related to the effects, actions, and therapeutic use of each drug. Nursing actions and rationale for nursing actions are explored. Clinical application is integrated into the clinical nursing courses. (CSU)

NURS 121 (1 UNITS)
NURSING SKILLS LABORATORY II
TERM HOURS: 0 LEC, 54 LAB

Prerequisite(s): NURS 110; NURS 111; NURS 112; NURS 116; and, SOC 101 OR ANTH 102.

Corequisite(s): NURS 125 (formerly NURS 120 and NURS 122). This course builds on theory, skills, and clinical applications learned in Semester 1. Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by skills checkoff by the instructor. Skills will be part of the demonstration. (CSU)

NURS 125 (8.5 UNITS)
NURSING PROCESS AND APPLICATION II
TERM HOURS: 81 LEC, 216 LAB

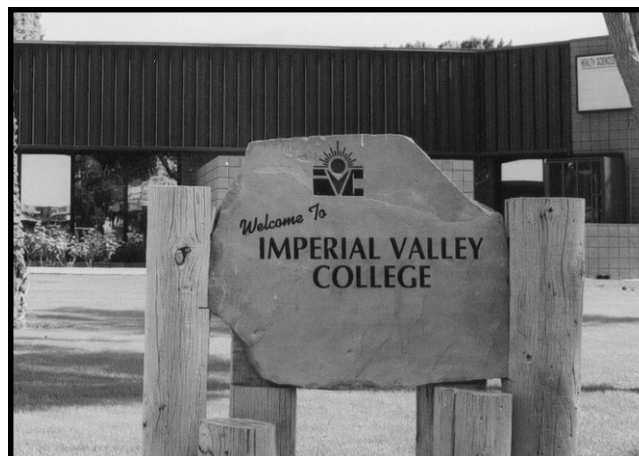
Prerequisites: NURS 110, NURS 111, NURS 112, NURS 114, SOC 1 or ANTH 2.

Corequisites: NURS 121.

This course is designed to integrate previous science and nursing course theory. This course provides theoretical perspective, science-based knowledge and principles needed by students to guide their application of the nursing process and choice of nursing interventions for individuals with common physiological alterations. Professional, legal and ethical issues are explored. Through utilization of development theories (primarily Erickson) and the Roy Adaptation Model, this course focuses on the nursing role as communicator, provider of care, and client teacher for individuals experiencing adaptation problems across the lifespan in the physiologic mode, psychologic mode, and selected adaptation problems for persons with common and/or chronic medical and/or surgical conditions related to surgery, respiratory system, reproductive system, and integumentary system. Maternal nursing care is presented, including antenatal, intrapartal and postpartum normal and abnormal adaptation. Normal and high-risk neonatal care are examined. Components of infusion therapy will also be discussed. Variations in nursing care for individuals of different socio-economic and cultural backgrounds will be considered. This course involves clinical application of both theoretical concepts taught in Nursing Process I and II and tactile skills taught in Nursing Skills Laboratory I and II. All aspects of the nursing process will be applied to client situations. An assessment testing fee of \$85 will be incurred for this class which includes the review materials. (CSU) (Formerly NURS 120 and NURS 122)

NURS 126 (3 UNITS)
PHYSICAL ASSESSMENT SKILLS
TERM HOURS: 54 LEC, 0 LAB

Class is limited to 15 students. This course is designed to delineate assessment parameters and variations common to the adult patient. Students will be given the opportunity to learn how to make rapid, accurate patient assessments. They will identify and discuss common findings, observe assessment techniques, and do return demonstrations. Individuals who wish to improve their physical assessment skills are the focus of this course. (CSU)



**NURS 200 (2.5 UNITS)
PSYCHIATRIC NURSING****TERM HOURS: 45 LEC, 0 LAB**

Prerequisite(s): NURS 110; NURS 111; NURS 112; NURS 116; and, SOC 101 OR ANTH 102.

Corequisite(s): NURS 202.

This course provides theoretical perspective, science-based knowledge, and principles needed by students to guide their application of the nursing processes and choice of nursing interventions for individuals with pathophysiological and psychopathological adaptation problems relating to mental health. Psychiatric nursing is concerned with an individual's response to stress and crisis. The promotion of mental health through primary prevention, intervention in maladaptive disorders, and rehabilitation of chronic disorders is presented in concurrent classroom and clinical settings. Cultural, social, age related, legal and ethical attitudes toward behaviors, which deviate from accepted norms, are discussed. This course focuses on the nursing role as communicator, provider of care, and client teacher for individuals experiencing adaptation problems related to mental health. Through utilization of the nursing process and the Roy Adaptation Model, the student is expected to formulate nursing diagnosis for existing and potential problems, to establish short and long-term nursing care goals, intervene appropriately and evaluate nursing goals for clients with complex maladaptive behaviors. An assessment testing fee of \$80 will be incurred for this class which includes the review materials. (CSU)

**NURS 202 (1.5 UNITS)
PSYCHIATRIC NURSING APPLICATIONS****TERM HOURS: 0 LEC, 81 LAB**

Prerequisite(s): NURS 110, NURS 111, NURS 112, NURS 116.

Co-requisite: NURS 200.

This course involves clinical application of theoretical concepts taught in Psychiatric Nursing. Treatment and evaluation utilizing all aspects of the nursing process in psychiatric and mental health services will be applied to a variety of client situations. (CSU)

**NURS 204 (3 UNITS)
TRANSITION TO A.S. DEGREE NURSING****TERM HOURS: 45 LEC, 27 LAB**

Prerequisite: Completion of advanced placement requirements which include an Active California LVN license and at least 6 months of work experience or permission of the instructor.

Co-requisite: BIOL 220 for ADN applicants or BIOL 092 for students seeking the 30-unit option.

Recommended Preparation: MATH 090 or higher.

This course facilitates the transition of advanced placement students (Licensed Vocational Nurses) into the associate degree nursing program. It provides an introduction to becoming a provider of care and a member of the discipline in the various roles of the RN. The course provides an introduction to the nursing process and critical thinking as a process to learn and improve nursing practice. Emphasis is placed on the acquisition and utilization of the nursing process as a basis for care. Concepts related to program philosophy, conceptual framework, cultural sensitivity, growth and development, and role expectations are emphasized. Advanced assessment knowledge, skills, and practice in the classroom and laboratory are completed. (CSU)

**NURS 211 (1 UNITS)
NURSING SKILLS LABORATORY III****TERM HOURS: 0 LEC, 54 LAB**

Prerequisite(s): NURS 121, NURS 125 (formerly NURS 120 and NURS 122), NURS 200, and NURS 202.

Corequisite(s): NURS 231 (formerly NURS 210 and NURS 212).

Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by skills checkoff by the instructor. Mastery of previous learned skills will be assessed. Skills theory will be part of the demonstration. (CSU)

**NURS 214 (1 UNITS)
BASIC ARRHYTHMIA RECOGNITION****TERM HOURS: 18 LEC, 0 LAB**

A basic program using a systematic approach to interpretation and recognition of cardiac arrhythmias in the monitored hospital patient and the appropriate treatment and/or nursing intervention required. Suitable for the ICU/CCU nurse or nursing assistant, beginning cardiopulmonary technician, the med/surg nurse who cares for the patient on telemetry, or for inactive nurses who wish to update their knowledge and maintain their competency. (Same as VN 214) (CSU)

**NURS 216 (2 UNITS)
PATIENT CARE MANAGEMENT AND LEADERSHIP****TERM HOURS: 36 LEC, 0 LAB**

Recommended preparation: NURS 110, 111, 112, 121, 125 (formerly NURS 120 and NURS 122).

This course provides an overview of leadership and management as related to the role of the registered nurse in providing patient care and case management. Concepts of critical thinking and patient care management are explored. Principle of delegation in a health care environment are discussed. The nurses role as team leader, facilitator or care and patient advocate are examined. (CSU)



NURS 221 (1 UNITS)
NURSING SKILLS LABORATORY IV
TERM HOURS: 0 LEC, 54 LAB

Prerequisite(s): NURS 211 and NURS 231 (formerly NURS 210 and NURS 212).

Corequisite(s): NURS 230 and NURS 241 (formerly NURS 220 and NURS 222).

Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by skills checkoff by the instructor. Mastery of all previous learned skills will be assessed. Skills theory will be part of the demonstration. (CSU)

NURS 230 (1 UNITS)
NURSING TRENDS

TERM HOURS: 18 LEC, 0 LAB

Prerequisite(s): NURS 200; NURS 202; NURS 211; and, NURS 231 (formerly NURS 210 and NURS 212).

Corequisite(s): NURS 221, and NURS 241 (formerly NURS 220 and NURS 222).

The course is designed to integrate previous science and nursing course theory. The course addresses, reviews, and scrutinizes current issues affecting nursing and the health care community. Legal and ethical issues, health care in current society, nursing educational pathways, health care delivery systems, legal and ethical concerns, including the California Nurse Practice Act, are explored. Nursing educational pathways for life-long learning are reviewed. The course explores the profession of nursing and the transition from student to professional nurse. (CSU)

NURS 231 (8.5 UNITS)
NURSING PROCESS AND APPLICATION III
TERM HOURS: 81 LEC, 216 LAB

Prerequisite(s): NURS 121, NURS 125 (formerly NURS 120 and NURS 122), NURS 200, NURS 201.

Corequisite(s): NURS 211.

This course is designed to integrate previous science and nursing course theory. This course provides theoretical perspective, science-based knowledge and principles needed by students to guide their application of the nursing process and choice of nursing interventions for individuals with common physiological alterations. Professional, legal and ethical issues are explored. Through utilization and developmental theories (primarily Erickson) and the Roy Adaptation Model, this course focuses on the nursing role as communicator, provider of care, and client teacher for individuals experiencing adaptation problems across the lifespan in the physiologic mode, psychologic mode, and selected adaptation problems for persons with common and/or chronic medical and/or surgical conditions related to the Cardiac, Gastrointestinal, Musculoskeletal, Endocrine and Renal Systems. Variations in nursing care for individuals of different socio-economic and cultural backgrounds will be considered. Theories of leadership and management as related to nursing in the acute care setting is introduced. This course involves clinical application of both theoretical concepts and tactile skills taught in Nursing Process and Nursing Application I and II, Nursing Skills Laboratory III, II and I, and Pharmacology. All aspects of the nursing process will be applied to client situations. An assessment testing fee of \$80 will be incurred for this class which includes the review materials. (CSU) (Formerly NURS 210 and NURS 212)

NURS 238 (3 UNITS)
HOME HEALTH NURSING
TERM HOURS: 27 LEC, 81 LAB

For the ADN graduate or licensed RN. Addresses opportunities and challenges in home care through didactic and clinical experiences. Topics include current issues of reimbursements and regulations, roles and responsibilities of the home health nurse, documentation, quality assurance, interpersonal aspects, risk management and future trends in home health nursing. (CSU)

NURS 240 (2 UNITS)
INTRAVENOUS THERAPY TECHNIQUES
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: Permission of instructor.

A course of instruction in intravenous therapy which includes fluid solutions of electrolytes, nutrients, vitamins, blood and blood products. (Same as VN 240) (CSU)

NURS 241 (8.5 UNITS)
NURSING PROCESS AND APPLICATION IV
TERM HOURS: 81 LEC, 216 LAB

Prerequisite(s): NURS 211, NURS 231 (formerly NURS 210 and NURS 212).

Corequisite(s): NURS 221, NURS 230.

This course is designed to integrate previous science and nursing course theory into an in-depth study of patients with increasingly complex health problems. Complex, multi-system, acute and emergency nursing theory is presented. This course provides theoretical perspective, science-based knowledge and principles needed by students to guide their application of the nursing process and choice of nursing interventions for individuals. Professional, legal, and ethical issues are explored. Through utilization of developmental theories (primarily Erickson) and the Roy Adaptation Model, this course focuses on nursing care for individuals experiencing adaptation problems across the lifespan in the physiologic mode, psychologic mode, and selected adaptation problems for persons with acute, complex medical and/or surgical conditions related to neurologic system adaptation, adaptation problems of special senses, complex cardiac, complex respiratory, complex endocrine, complex integumentary, and complex immunology/hematology systems. Multi-system stressors are presented. Community nursing and home health nursing are discussed. The nurse as a leader of the nursing team and case management in nursing is explored. This course involves clinical application of both new and previous theoretical concepts and tactile skills taught in Nursing Process and Application I, II and III, Nursing Skills Laboratory I, II, III and IV, and Psychiatric Nursing and Pharmacology. All aspects of the nursing process will be applied to client situations. An assessment testing fee of \$80 will be incurred for this class which includes the review materials. (CSU) (Formerly NURS 220 and NURS 222)

NURS 245 (3 UNITS)
NCLEX PREPARATION FOR FIRST TIME TEST TAKERS
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Completion of a Nursing (RN) program. The participant who completes the NCLEX Preparation Program will meet the standards of competency, delineated by the Board of Registered Nursing for the State of California, by being able to pass the NCLEX exam and be licensed as a Registered Nurse. The successful participant will pass the licensing exam. (Nontransferable, nondegree applicable)

NURS 246 (6 UNITS)
NCLEX PREPARATION II
TERM HOURS: 90 LEC, 54 LAB

Prerequisite: Completed the requirements for the NCLEX-RN exam. This NCLEX Preparation course is intended for the California State Board eligible graduate nurse who has graduated from an accredited/approved nursing program in or out of the United States and has taken the exam at least one time without successfully passing the exam, referred to as a "Repeat Test Takers". Emphasis will be placed on test taking ability. (Nontransferable, nondegree applicable)

NURSING: VOCATIONAL

VN 089 (1 UNITS)
INDIVIDUAL STUDIES: VOCATIONAL NURSING
TERM HOURS: 0 LEC, 54 LAB

Prerequisite: Admission to the Vocational Nursing Program. This course is designed to facilitate the learning of nursing knowledge, skills, and concepts through individualized, computer enhanced and mediated instruction. It is open to students in the nursing program and recent graduates from the nursing program who seek additional NCLEX-PN preparation. (Nontransferable, nondegree applicable)

VN 110 (5 UNITS)
INTRODUCTION TO PATIENT CARE I
TERM HOURS: 36 LEC, 162 LAB

Prerequisites: AHP 100, BIOL 090, PSY 101, ENGL 101, current CPR certification (American Heart Health Care Provider Course only).

Theory and skills basic to the provision of safe nursing care are introduced in the classroom, skills laboratory, and clinical. Components of the nursing process are studied. Parameters of health are defined and the physical and psychological needs of the normal individual are explored. (CSU)

VN 112 (5 UNITS)
INTRODUCTION TO PATIENT CARE II
TERM HOURS: 36 LEC, 162 LAB

Prerequisites: VN 110, VN 114 or permission of instructor. Communication skills are presented in this course. Basic psychological and physiological concepts related to stress that cause disruptions in the individual's ability to adapt to his/her environment are presented in the classroom. Concurrently, in clinical sessions, the student relates learned skills and theory to the care of clients with well-defined commonly occurring illnesses in the hospital setting. (CSU)

VN 114 (1.5 UNITS)
PHARMACOLOGY I
TERM HOURS: 27 LEC, 0 LAB

Prerequisite: Admission to the Nursing Program or permission of the instructor. An introductory course in Pharmacology designed to assist the student to acquire basic skills drug dosage calculations and the administration of medications. A skills laboratory requirement is included. Clinical application will be integrated into VN 112. (CSU)

VN 116 (2.5 UNITS)
PATIENT CARE MANAGEMENT AND CRITICAL THINKING

TERM HOURS: 45 LEC, 0 LAB

Prerequisite: Admission to the nursing program or permission of the instructor. To be taken concurrently with VN 110 and 112. An overview of the leadership and management process as it relates to management of patient care is presented. Clinical application is integrated into VN 130 and VN 132 and all subsequent nursing courses. (CSU)

VN 120 (5.5 UNITS)
THE MATERNITY CYCLE
TERM HOURS: 45 LEC, 162 LAB

Prerequisite: VN 122 or permission of instructor.

The nursing process is used to assess the needs of and devise a plan of care for the pregnant woman through the maternity cycle. Consideration is given to the physiological, psychosocial, cultural, and economic factors which have impact on the mother, infant, and the family as a whole. Concurrent classroom and clinical experience are provided. (CSU)

VN 122 (5.5 UNITS)
COMMON HEALTH PROBLEMS I
TERM HOURS: 45 LEC, 162 LAB

Prerequisite: VN 112, VN 116 or permission of the instructor.

The first of three nine-week courses designed to provide a progressive and sequential study of common, well-defined health problems of the respiratory, reproductive, and special senses systems are presented. Transition from wellness to illness is emphasized. Concepts acquired to previous courses are applied with increasing complexity to caring for individuals of all ages. Physiological, psychological, emotional, cultural, and social concepts are integrated into the planning and implementation of nursing care. Concurrent classroom and clinical experiences are provided. (CSU)

VN 124 (2 UNITS)
PHARMACOLOGY II
TERM HOURS: 36 LEC, 0 LAB

Prerequisite: VN 112, VN 114 or permission of instructor.

This course focuses on those components of pharmacology related to safe nursing care. It includes information about the general classification of drugs and principles of therapy related to the effects, actions, and therapeutic use of each drug. The nursing actions and rationale for nursing actions are covered. Clinical application is integrated into the clinical nursing courses. (CSU)

VN 130 (5.5 UNITS)
COMMON HEALTH PROBLEMS II
TERM HOURS: 45 LEC, 162 LAB

Prerequisite: VN 120, VN 122, and VN 124, or permission of the instructor.

The second of three nine-week courses designed to provide a progressive and sequential study of common, well-defined health problems is presented. Emphasis is placed on the immune, endocrine, hematological, cardiovascular, and musculoskeletal systems. Concepts acquired in previous courses are applied with increasing complexity in caring for individuals of all ages. Physiological, psychological, emotional, cultural, and social aspects are integrated into the planning and implementation of nursing care. Concurrent clinical experiences are provided whenever possible. In conjunction, appropriate nursing skills are learned in the classroom. (CSU)

VN 132 (5.5 UNITS)**COMMON HEALTH PROBLEMS III****TERM HOURS: 45 LEC, 216 LAB**

Prerequisite: VN 130 or permission of the instructor.

The final nine-week course designed to provide a progressive and sequential study of common, well-defined health problems is presented in VN 132. The concepts from previous courses are applied with increasing complexity to the caring of individuals throughout the lifespan. The pathophysiology, treatment, and nursing management of common disorders involving the neurological, integumentary, gastrointestinal, and renal systems are studied in a progressive sequence across the lifespan. Principles of growth and development are reinforced. The nursing process is utilized by the student to identify the problems and nursing interventions needed for selected patients in the clinical setting. (CSU)

VN 214 (1 UNITS)**BASIC ARRHYTHMIA RECOGNITION****TERM HOURS: 18 LEC, 0 LAB**

Prerequisite: Permission of the instructor.

A basic program using a systematic approach to interpretation and recognition of cardiac arrhythmias in the monitored hospital patient and the appropriate treatment and/or nursing intervention required. Suitable for the ICU/CCU nurse or nursing assistant, beginning cardiopulmonary technician, the med/surg nurse who cares for the patient on telemetry, or for inactive nurses who wish to update their knowledge and maintain their competency. (Same as NURS 214) (CSU)

VN 240 (2 UNITS)**INTRAVENOUS THERAPY TECHNIQUES****TERM HOURS: 36 LEC, 0 LAB**

Prerequisite: Permission of instructor.

A course of instruction in intravenous therapy which includes fluid solutions of electrolytes, nutrients, vitamins, blood and blood products. (Same as NURS 240) (CSU)

NUTRITION**NUTR 100 (3 UNITS)****FOUNDATIONS OF NUTRITION****TERM HOURS: 54 LEC, 0 LAB**

Scientific concept of nutrition relating to the function of nutrients in the basic life processes. Examines the major aspects of nutritional services within a health care facility, community or school food services program. The course includes child and adult nutrition application to basic food and food service programs. (CSU)

PERSONAL DEVELOPMENT**PD 061 (1 UNITS)****SURVIVAL SKILLS FOR COLLEGE SUCCESS****TERM HOURS: 18 LEC, 0 LAB**

A course designed to assist students in the acquisition of techniques useful in the development of learning skills while providing information about college rules, regulations, services, and programs to promote student success. Topics include time management, study skills, note taking, learning styles, test taking, library skills, financial resources and money management, and educational program planning. (Formerly HREL 061)

PD 062 (1 UNITS)**PERSONAL AND SOCIAL DEVELOPMENT****TERM HOURS: 18 LEC, 0 LAB**

A course utilizing group dynamics, designed to encourage and develop insight into collegiate and modern problems of adjustment, the utilization of personal potential, and the understanding of individual and group processes of development. Maximum credit four units. (Nontransferable, AA/AS degree only) (Formerly HREL062)

PD 064 (1 UNITS)**ORIENTATION TO COLLEGE AND LIFE SKILLS****TERM HOURS: 18 LEC, 0 LAB**

A course designed to assist students with personal adjustments to college life, focusing on the development of resources for problem solving and dealing with crises. Topics include stress and coping, anxiety and depression, relationships, domestic violence, independence versus family responsibility, assertiveness, decision-making, sexual identity and choices, substance abuse, and community resources. (Formerly HREL 064)

PD 065 (1 UNITS)**THE STUDENT IN CONTEMPORARY COLLEGE AFFAIRS****TERM HOURS: 18 LEC, 0 LAB**

Designed to develop leadership qualities in students desiring to better understand the principles of publicity, finance, organization procedures, group dynamics, and human relations. Offered Credit/No Credit only. Maximum credit four units. (Nontransferable, AA/AS degree only) (Formerly HREL 065)

PD 100 (3 UNITS)**PERSONAL AND CAREER DEVELOPMENT****TERM HOURS: 54 LEC, 0 LAB**

This course examines the process a student would follow in making a realistic career decision. Students planning to enter professions involving helping relationships such as education, social work, counseling, psychology, community work, and related areas, in addition to students who are undecided about their own future and would profit from the course. Self-awareness will be appraised by testing and discussing interests, aptitudes, abilities, limitations and life goals. Career awareness will be facilitated by exploring the world of work in terms of occupational outlook, wages, training required, opportunities for advancement and life styles. A lab fee will be charged. (Formerly HREL 100)

PHILOSOPHY**PHIL 100 (3 UNITS)****INTRODUCTION TO PHILOSOPHY I****TERM HOURS: 54 LEC, 0 LAB**

Man's interpretation of the nature and meaning of reality. Emphasis placed upon the existence of God, free will, and mind-body problems. (CSU, UC) (CAN PHIL 2)

PHIL 102 (3 UNITS)**INTRODUCTION TO PHILOSOPHY II****TERM HOURS: 54 LEC, 0 LAB**

The place of philosophy in intelligent living and the methods and significance of philosophical inquiry. Emphasis is placed upon problems of value and human nature. PHIL 102 may be taken before PHIL 100. (CSU, UC)

PHIL 104 (3 UNITS)**ETHICS****TERM HOURS: 54 LEC, 0 LAB**

An introduction to significant and typical value theories and systems, and of the concrete problems such theories seek to explain. Emphasis placed upon teaching students to critically analyze their own value systems. (CSU, UC) (CAN PHIL 4)

PHIL 106 (3 UNITS)**LOGIC****TERM HOURS: 54 LEC, 0 LAB**

An introduction to deductive and inductive logic. Attention focused upon the relationship between logic and language fallacies, and the use of logic in everyday life. (CSU, UC) (CAN PHIL 6)

PHIL 108 (3 UNITS)**RELIGIONS OF THE MODERN WORLD****TERM HOURS: 54 LEC, 0 LAB**

An introduction to the various contemporary religions of the world with an emphasis on their historical development. Study of the basic beliefs in religions such as Hinduism, Buddhism, Taoism, Confucianism, Judaism, and Christianity. (CSU, UC)

PHYSICAL EDUCATION**PE 100 (2 UNITS)****LIFETIME EXERCISE SCIENCE****TERM HOURS: 18 LEC, 36 LAB**

This course is designed to emphasize a comprehensive understanding of the entire scope of the fitness for life process. The student will be equipped to assess their present fitness status; with the ability to write a personalized fitness program; and engage in that fitness program. The course will focus on five areas: cardiovascular endurance, weight control, strength, flexibility, and relaxation. (CSU) (UC credit limited. See a Counselor.)

PE 101 (1 UNITS)**EXERCISE LAB****TERM HOURS: 0 LEC, 36 LAB**

This is an open-entry open-exit physical fitness course designed to develop and encourage positive attitudes and habits with regard to lifetime fitness. Students will engage in a cardiovascular endurance program, muscular strength and endurance program, flexibility program, or a combination of these. Physical fitness appraisals may be utilized to assist students in selecting an appropriate individualized program. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 102 (1 UNITS)**PHYSICAL FITNESS****TERM HOURS: 0 LEC, 36 LAB**

This course is designed to emphasize physical conditioning and development. Equips the student with a repertoire of exercises and conditioning activities which can be used to maintain physical fitness throughout college and adult life. Maximum credit four units. (CSU) (UC credit limited. See a counselor)

PE 103 (1 UNITS)**PHYSICAL FITNESS, WOMEN****TERM HOURS: 0 LEC, 36 LAB**

This course is designed to emphasize physical conditioning and development. Equips the student with a repertoire of exercises and conditioning activities which can be used to maintain physical fitness throughout college and adult life. Maximum credit four units. (CSU) (UC credit limited. See a counselor)

PE 104 (1 UNITS)**WEIGHT TRAINING****TERM HOURS: 0 LEC, 36 LAB**

A course designed to present the basic fundamentals of weight training such as the weight apparatus, proper lifting techniques and basic knowledge of specific muscle groups. Equips the students with a variety of exercises and conditioning activities which can be used to maintain physical fitness throughout college and adult life. Maximum credit four units. (CSU) (UC credit limited. See a counselor)

PE 105 (1 UNITS)**PUBLIC SAFETY FITNESS****TERM HOURS: 0 LEC, 36 LAB**

The purpose of this course is to assist students with their physical fitness conditioning specific to Public Safety agencies. Students will engage in a variety of exercises and conditioning activities designed to help them pass the required physical fitness standards used by Public Safety agencies in hiring and/or promoting. Emphasis will be placed on aerobic, anaerobic, strength, and flexibility activities which will assist the student in meeting and/or maintaining the physical fitness levels demanded by their chosen careers. (CSU)

PE 106 (1 UNITS)**WALKING/JOGGING FITNESS****TERM HOURS: 0 LEC, 36 LAB**

This course provides the knowledge and skills necessary to improve cardiovascular endurance and fitness through walking and/or jogging exercise. Class may be held on land or in the water. Topics will include general fitness principles, and aerobic endurance, muscle endurance and flexibility training exercises. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 107 (1 UNITS)**AQUATIC EXERCISE****TERM HOURS: 0 LEC, 36 LAB**

Prerequisite(s): Comfort in and around swimming pools. Course will include the development of fundamental elements of fitness in the aquatic environment. Progressive instruction will include more strenuous exercises for cardiorespiratory fitness, muscular endurance and flexibility. Exercises will be performed in shallow and/or deep water. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 110 (2 UNITS)**PHYSICAL EDUCATION ACTIVITY - MILITARY SERVICE****TERM HOURS: 0 LEC, 0 LAB**

Prerequisite: The satisfactory completion of basic or recruit training and 180 days or more active service in the military of the United States of America. The student wishing credit for military service must present his/her DD214 or equivalent supporting document to the Veterans Assistant and register for the credit. If the student registers for the class for military credit and does not submit verification of service, he/she will be dropped as a No-Show and will not receive credit. PE 110 does not count for units toward VA, Financial Aid, or full-time student status. These are not contact hours. May receive credit only once. (CSU)

PE 111 (1 UNITS)**AEROBICS - STEP****TERM HOURS: 0 LEC, 36 LAB**

Step aerobics involves stepping up and down from a 4 to 12 inch bench, while performing various upper body movements to the accompaniment of music. This course is a simple introduction to basic steps, leading to simple patterns of step choreography. Offers cardiovascular conditioning and strength training. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 112 (1 UNITS)**BASKETBALL - MEN****TERM HOURS: 0 LEC, 36 LAB**

An introduction to the fundamental skills and strategy of the game. Rules and class competition are included in the course. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 113 (1 UNITS)**BASKETBALL - WOMEN****TERM HOURS: 0 LEC, 36 LAB**

Designed for women students interested in basketball. To offer basic and advanced fundamentals, team play, and strategy. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 114 (2 UNITS)**DANCE THEATRE****TERM HOURS: 0 LEC, 72 LAB**

A performance group presenting all forms of dance and related theatre arts. A minimum of five outside performances required each semester. Meets physical education activity requirement. Maximum credit eight units. (CSU, UC)

PE 115 (1 UNITS)**DANCE - JAZZ****TERM HOURS: 0 LEC, 36 LAB**

A study of syncopated movement. Maximum credit four units. (CSU, UC)

PE 116 (1 UNITS)**DANCE - MODERN****TERM HOURS: 0 LEC, 36 LAB**

Participation and instruction in rhythmic fundamentals, factors related to movement, movement fundamentals and dance skills, creative activity, and evaluation. Designed to develop the student's ability to use expressive body movements in a creative art form. More complex individual dance sketches and small group dance studies. Maximum credit four units. (CSU, UC)

PE 117 (1 UNITS)**GOLF****TERM HOURS: 0 LEC, 36 LAB**

Offers training in the fundamentals of strokes with irons, woods, and putters; includes rules and etiquette of the game. Actual participation upon a golf course and the worthy use of leisure time and emphasized. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 118 (1 UNITS)**GOLF - ADVANCED****TERM HOURS: 0 LEC, 36 LAB**

Recommended Preparation: PE 117.

Advanced training in strokes with irons, woods, and putters; includes rules of the game and emphasis on strategies and tournament play. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 119 (1 UNITS)**SELF-DEFENSE****TERM HOURS: 0 LEC, 36 LAB**

A study of the art of self defense through boxing, wrestling and elements of martial arts as it relates to self defense. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 120 (1 UNITS)**SOFTBALL****TERM HOURS: 0 LEC, 36 LAB**

This course is designed to emphasize the fundamentals, knowledge of rules, coaching techniques, and basic knowledge of the game of softball. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 121 (1 UNITS)**SWIMMING****TERM HOURS: 0 LEC, 36 LAB**

This course is concerned with teaching the student to successfully execute the proper strokes for swimming. Skills, fundamentals, and safety knowledge are stressed from the beginner to the intermediate swimmer. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 122 (2 UNITS)**LIFEGUARD TRAINING****TERM HOURS: 27 LEC, 27 LAB**

Prerequisites: Demonstrated swimming proficiency.

This course provides the most current instruction in the American Red Cross (ARC) lifeguard training techniques, first aid and CPR skills required to prepare for a lifeguard position. Upon successful completion, a student will earn certifications in both ARC Lifeguard Training and CPR for the Professional Rescuer. (CSU) (UC credit limited. See a counselor.)

PE 123 (2 UNITS)**WATER SAFETY INSTRUCTOR TRAINING****TERM HOURS: 18 LEC, 36 LAB**

Prerequisite: Demonstrated swimming proficiency.

This course provides the most current instruction in the American Red Cross (ARC) Water Safety Instructor (WSI) course. Upon successful completion, students earn ARC WSI certification. Maximum credit eight units. (CSU) (UC credit limited. See a counselor.)

PE 124 (1 UNITS)**TEAM SPORTS****TERM HOURS: 0 LEC, 36 LAB**

The course is designed to stimulate the development of mental and physical alertness and poise, and to encourage regular participation in a variety of sports. Includes coeducational activities. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 125 (2 UNITS)**SPORTS ACTIVITY - ADVANCED****TERM HOURS: 18 LEC, 36 LAB**

Recommended Preparation: Prior competitive background.

This course is designed for students with previous experience in the sports of volleyball, softball, and basketball. The course will cover basic fundamentals as well as advanced team strategies found in competitive situations. A minimum of fifteen hours per semester for each student is required in outside activities such as community sports and recreational programs. Maximum credit eight units. (CSU) (UC credit limited. See a counselor.)

PE 126 (1 UNITS)**TENNIS****TERM HOURS: 0 LEC, 36 LAB**

Tennis offers training in the basic fundamentals of the game including history, rules, and etiquette. Social etiquette of the game is stressed along with the worthy use of leisure time. Tournament competition in singles and doubles is emphasized. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 127 (1 UNITS)**TENNIS - ADVANCED****TERM HOURS: 0 LEC, 36 LAB**

Recommended Preparation: PE 126.

Review and practice of forehand, backhand, serve and volley, overhead smash, and lob. Emphasis on court strategy and tactics for singles and doubles competition. Maximum credit two units. (CSU) (UC credit limited. See a counselor.)

PE 128 (1 UNITS)**VOLLEYBALL****TERM HOURS: 0 LEC, 36 LAB**

A course designed to present the basic fundamentals of volleyball such as the serve, setting, spiking, and team play. Rules and class competition are included. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 129 (1 UNITS)**VOLLEYBALL - ADVANCED****TERM HOURS: 0 LEC, 36 LAB**

Recommended Preparation: Completion of four semesters of PE 128 and demonstrate competency in advanced skills.

Continuation of PE 128. More advanced volleyball skills. More emphasis on tournament play and advanced strategy. More emphasis will be placed on spiking and blocking. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 130 (1 UNITS)**ADAPTED PHYSICAL EXERCISE****TERM HOURS: 0 LEC, 36 LAB**

Prerequisite: A signed physician's medical release form is required. Level of strength and ability sufficient to avoid injury to the student and others in course activities is required.

Open only to students who are unable to participate in the regular physical education program. The course is specifically designed to meet the individual needs of these students. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 131 (1 UNITS)**ADAPTED SPORTS****TERM HOURS: 0 LEC, 36 LAB**

Prerequisite: A signed physician's medical release form is required. Level of strength and ability sufficient to avoid injury to the student and others in course activities is required.

This course is designed to broaden the physically disabled student's awareness of group activities and develop a willingness to participate. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 132 (1 UNITS)**GROUP SPORTS FOR PEOPLE WITH DISABILITIES****TERM HOURS: 0 LEC, 36 LAB**

Prerequisite: A signed physician's medical release form is required. Level of strength and ability sufficient to avoid injury to the student and others in course activities is required.

This course is designed to broaden the physically disabled student's awareness of group activities and develop a willingness to participate. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 140 (1 UNITS)**BASEBALL - ADVANCED****TERM HOURS: 0 LEC, 36 LAB**

Recommended Preparation: Participation on high school (or equivalent) baseball team.

This course is designed for those students of advanced ability in baseball skills who have an interest in playing competitive baseball at the college level. Instruction will cover the development of fundamental offensive and defensive skills with an emphasis on advanced techniques, strategies, physical training, and team preparation. Maximum credit four units. (CSU) (UC credit limited. See a Counselor.)

PE 141 (1 UNITS)**SOFTBALL - WOMEN****TERM HOURS: 0 LEC, 36 LAB**

This course is designed to emphasize the basic fundamentals, skills and rules of the game of women's softball. Maximum credit four units. (CSU) (UC credited limited. See a counselor.)

PE 142 (1 UNITS)**SWIMMING - ADVANCED****TERM HOURS: 0 LEC, 36 LAB**

Prerequisite(s): Student must be able to jump in deep water and swim 50 yards nonstop, including 25 yards of Front Crawl.

Recommended Preparation: Completion of PE 121. Previous swim training.

Supervised swim workouts designed to improve competitive strokes and turns and to enhance cardiovascular fitness. Pre- and post-tests of cardiovascular fitness levels will be incorporated. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 143 (1 UNITS)**ADVANCED BASKETBALL - MEN****TERM HOURS: 0 LEC, 36 LAB**

Recommended Preparation: Participation on the competitive high school (or equivalent) basketball team.

This course is designed for those students of advanced ability in basketball skills who have an interest in playing competitive basketball at the college level. Instruction will cover the development of fundamental offensive and defensive skills with an emphasis on advanced techniques, strategies, and team preparation. (CSU)

PE 144 (1 UNITS)**ADVANCED BASKETBALL - WOMEN****TERM HOURS: 36 LAB**

Recommended Preparation: Participation on the competitive high school (or equivalent) basketball team.

This course is designed for those students of advanced ability in basketball skills who have an interest in playing competitive basketball at the college level. Instruction will cover the development of fundamental offensive and defensive skills with an emphasis on advanced techniques, strategies, and team preparation. (CSU)

PE 150 (2 UNITS)**INTERCOLLEGIATE BASEBALL AND PE
TERM HOURS: 0 LEC, 180 LAB**

Eligibility will be determined by Conference rules; IVC guidelines in the AS Handbook for athletics will also apply. Theory and practice of baseball. Limited to students trying out for varsity team. The student must schedule for a minimum of 10 hours per week. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 151 (2 UNITS)**INTERCOLLEGIATE BASKETBALL AND PE
TERM HOURS: 0 LEC, 90 LAB**

Eligibility will be determined by Conference rules; IVC guidelines in the AS Handbook for athletics will also apply. Theory and practice of basketball. Limited to students trying out for varsity team. The student must schedule for a minimum of 10 hours per week. Maximum credit eight units. (CSU) (UC credit limited. See a counselor.)

PE 152 (2 UNITS)**INTERCOLLEGIATE SOCCER AND PE
TERM HOURS: 0 LEC, 180 LAB**

Eligibility will be determined by Conference rules; IVC guidelines in the AS Handbook for athletics will also apply. Theory and practice of soccer. Limited to students trying out for varsity team. The student must schedule for a minimum of 10 hours per week. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 153 (2 UNITS)**INTERCOLLEGIATE SOFTBALL AND PE
TERM HOURS: 0 LEC, 180 LAB**

Eligibility will be determined by Conference rules; IVC guidelines in the AS Handbook for athletics will also apply. Theory and practice of women's softball. Limited to students trying out for varsity team. The student must schedule for a minimum of 10 hours per week. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 154 (2 UNITS)**INTERCOLLEGIATE TENNIS AND PE
TERM HOURS: 0 LEC, 180 LAB**

Eligibility will be determined by Conference rules; IVC guidelines in the AS Handbook for athletics will also apply. Open to both men and women. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 155 (2 UNITS)**INTERCOLLEGIATE VOLLEYBALL AND PE
TERM HOURS: 0 LEC, 180 LAB**

Eligibility will be determined by Conference rules; IVC guidelines in the AS Handbook for athletics will also apply. This course is designed to give the individual a well-rounded knowledge in volleyball. The course should help develop a relationship of athletics to other matters such as exercise, recreation, sportsmanship, and competition. The student must schedule for a minimum of 10 hours per week. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 161 (1.5 UNITS)**PRE-SEASON CONDITIONING FOR ATHLETES
TERM HOURS: 0 LEC, 54 LAB**

This course is designed to prepare athletes for the competitive season. Emphasis will be placed on the development of speed, cardiovascular endurance, strength, and flexibility. A wide variety and combination of activities will be utilized to help athletes to work out with sport specific exercise programs. Maximum credit six units. (CSU) (UC credit limited. See a counselor.)

PE 162 (1.5 UNITS)**IN SEASON CONDITIONING FOR ATHLETES
TERM HOURS: 0 LEC, 54 LAB**

This course is designed to help athletes maintain top physical condition throughout the competitive season. Emphasis will be placed on sustaining high levels of speed, cardiovascular endurance, strength, and flexibility. A wide variety and combination of activities will be utilized to help athletes avoid injuries and perform at optimum levels. Maximum credit six units. (CSU) (UC credit limited. See a counselor.)

PE 163 (2 UNITS)**SONG AND CHEER
TERM HOURS: 0 LEC, 72 LAB**

Practice and performance class for songleaders and cheerleaders. Satisfies physical education activity class requirement. Maximum credit eight units. (CSU) (UC credit limited. See a Counselor.)

PE 200 (2 UNITS)**THEORY OF BASEBALL
TERM HOURS: 36 LEC, 0 LAB**

A history of the game, knowledge of rules, current and possible future trends in the game, coaching techniques, and scouting. Recommended for physical education majors, potential coaches, and recreation majors. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 201 (2 UNITS)**THEORY OF BASKETBALL
TERM HOURS: 36 LEC, 0 LAB**

This course is designed for physical education majors, recreation majors, and potential coaches. Coaching techniques and theories, history rules and current possible future trends in the game will be offered. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 202 (2 UNITS)**THEORY OF SOFTBALL
TERM HOURS: 36 LEC, 0 LAB**

This course is recommended for physical education majors, recreation majors, and potential coaches. History of the game, rules, coaching techniques, practice organization, strategies and theories, and possible future trends in softball will be offered. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 203 (2 UNITS)**THEORY OF VOLLEYBALL****TERM HOURS: 36 LEC, 0 LAB**

This course is recommended for physical education majors, recreation majors, and potential coaches. History of the game, rules, coaching techniques, offensive and defensive strategies, practice organization, and possible future trends in volleyball will be offered. Maximum credit four units. (CSU) (UC credit limited. See a counselor.)

PE 210 (2 UNITS)**INTRODUCTION TO PHYSICAL EDUCATION****TERM HOURS: 36 LEC, 0 LAB**

Principles and organization of physical education and areas of specialization within the field. (CSU, UC)

PE 211 (3 UNITS)**PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL****TERM HOURS: 54 LEC**

This course is designed to prepare the elementary school teacher to teach the whole child through physical education. (CSU)

PE 212 (3 UNITS)**THE HISTORY AND APPRECIATION OF DANCE****TERM HOURS: 54 LEC, 0 LAB**

Foundations of dance in western civilization. Dance as art, therapy, ritual and social discourse. Analysis of dance in film, video, and live performance. Appreciation for artistic intent, technique and style. (Same as HUM 100) (CSU, UC)

PE 220 (2 UNITS)**INTRODUCTION TO ATHLETIC TRAINING****TERM HOURS: 36 LEC, 0 LAB**

Introductory course in recognition, assessment, management, care and prevention of injuries in physical activities. Includes techniques of applying supportive materials, rehabilitation of injuries, and use of therapeutic modalities. (CSU, UC)

PE 221 (2 UNITS)**PSYCHOLOGY OF COACHING****TERM HOURS: 36 LEC, 0 LAB**

A course covering all the aspects of the psychology of coaching sports. Includes certain guides to show how teaching and learning may be applied to the coaching of sports, and to bring out the relationship of meaningful learning to successful athletic coaching. (CSU)

PE 222 (3 UNITS)**SPORTS OFFICIATING****TERM HOURS: 36 LEC, 54 LAB**

This course is designed to provide for the study and interpretation of rules for various men's and women's sports, and the philosophies, procedures, practices, and mechanics of officiating games including football, basketball, baseball softball, soccer, tennis, track, volleyball and wrestling. (CSU) (UC credit limited. See a counselor.)

PE 223 (2 UNITS)**STRUCTURING INTRAMURALS****TERM HOURS: 18 LEC, 36 LAB**

Recommended Preparation: Basic knowledge and/or experience in competitive sports and recreational games. The course is designed to provide students experience in structuring various types of sports and recreation tournaments through assisting in the IVC intramural program. (CSU)

PE 224 (3 UNITS)**PHYSICAL EDUCATION FOR SPECIAL OLYMPICS****TERM HOURS: 36 LEC, 72 LAB**

A course designed to train college students to condition and prepare retarded persons for competition in Special Olympics. Maximum credit 6 units. (CSU)

PHYSICAL SCIENCE**PHSC 110 (3 UNITS)****PHYSICAL SCIENCE****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: MATH 090 with a grade of "C" or better.

This course is designed to give an understanding of the fundamental principles of physics and chemistry as they relate to the structure and properties of matter and the principles of motion and energy, for the liberal studies student. (CSU) (UC credit limited. See a Counselor.)

PHYSICS**PHYS 100 (4 UNITS)****INTRODUCTION TO PHYSICS FOR HEALTH PROFESSIONALS****TERM HOURS: 54 LEC, 54 LAB**

Elementary mechanics, fluids, sound, electricity, and optics. For students requiring physics for health professions. Does not apply toward a major in general science or physical science. (CSU) (CAN PHYS 2)

PHYS 200 (5 UNITS)**GENERAL PHYSICS I****TERM HOURS: 72 LEC, 54 LAB**

Prerequisite: MATH 192 with a grade of "C" or better.

This course is designed to give an understanding of the fundamental principles of physics in the area of mechanics. (CSU, UC) (CAN PHYS 8) (CAN PHYS SEQ B = PHYS 200 and PHYS 202 and PHYS 204)

PHYS 202 (5 UNITS)**GENERAL PHYSICS II****TERM HOURS: 72 LEC, 54 LAB**

Prerequisites: PHYS 200 or equivalent with a grade of "C" or better and MATH 194 with a grade of "C" or better or concurrent enrollment in MATH 194.

This course is designed to give an understanding of the fundamental principles of physics in the areas of electricity, magnetism, atomic, and nuclear physics. (CSU, UC) (CAN PHYS 12) (CAN PHYS SEQ B = PHYS 200 and PHYS 202 and PHYS 204)

PHYS 204 (5 UNITS)**GENERAL PHYSICS III****TERM HOURS: 72 LEC, 54 LAB**

Prerequisites: PHYS 200 with a grade of "C" or better and MATH 194 with a grade of "C" or better or concurrent enrollment in MATH 194.

This course is designed to give an understanding of the fundamental principles of physics in the areas of waves, heat, light, relativity, quantum mechanics and atomic physics. (CSU, UC) (CAN PHYS 14) (CAN PHYS SEQ B = PHYS 200 and PHYS 202 and PHYS 204)

POLITICAL SCIENCE**POLS 052 (3 UNITS)****INTRODUCTION TO AMERICAN GOVERNMENT****TERM HOURS: 54 LEC, 0 LAB**

An introduction to the foundations and major characteristics of the governments of the United States and California, stressing the political habits of the American people within an historical setting. This course will meet the graduation requirement in American Institutions at Imperial Valley College, but is offered to students who do not intend to transfer to senior institutions. Not open to students with credit in HIST 120, HIST 121, POLS 100 or POLS 102. (Nontransferable, AA/AS degree only)

POLS 100 (3 UNITS)**INTRODUCTION TO POLITICAL SCIENCE****TERM HOURS: 54 LEC, 0 LAB**

An introduction to the theories, principles, and problems of modern political life and the methods of studying and acquiring political knowledge. Illustrative materials drawn primarily from the American experience. (CSU/UC)

POLS 102 (3 UNITS)**AMERICAN GOVERNMENT AND POLITICS****TERM HOURS: 54 LEC, 0 LAB**

The origin, development and operation of local, state and national political institutions within the United States emphasizing the contemporary operations of the American political system. (CSU, UC) (CAN GOV 2)

POLS 104 (3 UNITS)**COMPARATIVE POLITICS****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: POLS 100 or POLS 102.

A comparative study of modern political systems. Emphasis upon patterns of political action and problems of decision-making in various cultural contexts. (CSU, UC)

POLS 106 (3 UNITS)**INTRODUCTION TO INTERNATIONAL RELATIONS****TERM HOURS: 54 LEC, 0 LAB**

An introductory course stressing the techniques of analysis of the basic factors making for conflict and adjustment in contemporary international relations. Problems of nationalism and imperialism, elements of national power, causes of war, methods of seeking peace, the role of international organizations, and the foreign policies of the major powers will be considered. Emphasis will be upon contemporary developments. (CSU, UC)

PSYCHOLOGY**PSY 101 (3 UNITS)****INTRODUCTION TO PSYCHOLOGY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Twelfth grade reading level highly recommended.

An introduction to the study of human behavior and cognition. Includes consideration of many of the major topics in psychology including, but not limited to, the biology of behavior, learning, human development, sleep and consciousness, personality, mental disorders and therapy, and social processes. (CSU, UC) (CAN PSY 2)

PSY 106 (3 UNITS)**DEVELOPMENTAL PSYCHOLOGY OF CHILDREN****TERM HOURS: 54 LEC, 0 LAB**

A study of the developmental stages of children from conception through adolescence including the principle theories of development and their application. (Same as CFCS 106) (CSU) (UC Credit limited. See a counselor.)

PSY 120 (3 UNITS)**INTRODUCTION TO COUNSELING****TERM HOURS: 54 LEC, 0 LAB**

A study of the theory, process, and practice of interviewing and counseling in community service and other counseling situations. The course is designed to assist the student to gain knowledge and develop skills in order to help a client or interviewee in counseling situations. Theories of counseling and basic helping skills will be presented, demonstrated, and practiced. (Same as ADS 120) (CSU)

PSY 130 (3 UNITS)**GROUP LEADERSHIP AND GROUP PROCESS****TERM HOURS: 54 LEC, 0 LAB**

This course will introduce the student to group theory and process, and how groups affect the whole social scene. It will examine membership in, and leadership of, various kinds of groups, emphasizing group process. Consideration will be given to goals and strategies of social change and the necessity for social change in relation to personal and social values. The factors involved in problems of communications, effective emotional responses and personal growth also will be highlighted, emphasizing the group process as a means of changing behavior. (Same as ADS 130) (CSU)

PSY 142 (3 UNITS)**PSYCHOLOGY OF ADJUSTMENT****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Twelfth grade reading level strongly recommended.

A study of the development of effective behaviors. Focuses on individual behavior such as self-control, stress and emotional reactions; self-image, motivation, self-deception, lifespan development and the major psychological theories, which address these behaviors. Effective group behaviors including interpersonal relationships, marriage, sex, and society are also examined. (CSU)

PSY 144 (3 UNITS)**THE PSYCHOLOGY OF INTERPERSONAL RELATIONSHIPS****TERM HOURS: 54 LEC, 0 LAB**

An exploration of the dynamics of interpersonal relationships. Starting, developing, understanding, and improving one's relationships with self and others will be the focus of this course. Topics will include love, jealousy, acceptance, listening skills, communication skills, perception of self and others, and self-disclosure. The course involves lecture, discussion, and experiential techniques. (CSU)

PSY 146 (3 UNITS)**PSYCHOLOGY OF HUMAN SEXUALITY****TERM HOURS: 54 LEC**

A study of the psychology of Human Sexuality. Includes anatomy and physiology of sexual function, sexual dysfunctions, sexually transmitted diseases, infertility, contemporary sexual attitudes and behaviors, sexual deviations, and controversies and implications for the individual and the society. (CSU, UC)

PSY 200 (3 UNITS)**BIOLOGICAL PSYCHOLOGY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Successful completion of PSY 101 strongly recommended and twelfth grade reading level highly recommended.

An exploration of the biological basis of human behavior. The development, structure and functions of the nervous system is thoroughly examined to provide insight into its complex relationship with human behavior, thought, and feelings. The history of neuroscience and methods of scientific inquiry are reviewed. (CSU, UC) (CAN PSY 10)

PSY 202 (3 UNITS)**LEARNING****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Successful completion of PSY 101 strongly recommended and the twelfth grade reading level highly recommended.

This course will explore the role of learning in the adaptation of humans and other animals to their changing environment. Research methodology, Pavlovian and operant theories, applications and implications, and higher cognitive processes will be examined. (CSU, UC)

PSY 204 (3 UNITS)**DEVELOPMENTAL PSYCHOLOGY: CONCEPTION TO DEATH****TERM HOURS: 54 LEC, 0 LAB**

A study of human development from conception to death, including conception, prenatal development, infancy, toddlerhood, pre-school years, middle childhood, adolescence, early adulthood, middle adulthood, later adulthood, and death. The course covers psychodynamic theories of development, current research, and major developmental tasks. (CSU) (UC credit limited. See a counselor.)

PSY 206 (3 UNITS)**SOCIAL PSYCHOLOGY****TERM HOURS: 54 LEC, 0 LAB**

The study of how personality and behavior are influenced by the social environment. The conceptual and research focus is on the relationship between the individual and society. This course includes such topics as: self-concept and social identity, group behavior and group membership. (Same as SOC 206) (CSU, UC)

PSY 208 (3 UNITS)**ABNORMAL PSYCHOLOGY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Twelfth grade reading level highly recommended, PSY 101, PSY 142 and PSY 200 recommended.

Covers the major categories of mental disorders listed in the latest version of the "Diagnostic and Statistical Manual of Mental Disorders" (DSM). Draws upon important contributions from various disciplines and theoretical stances. Case studies and research-based explanations are examined. Controversial topics related to mental disorder are explored. (CSU, UC)

PSY 210 (3 UNITS)**CRISIS INTERVENTION AND REFERRAL TECHNIQUES****TERM HOURS: 54 LEC, 0 LAB**

Techniques used for brief therapy crisis intervention, intake interviewing and referral will be studied and practiced. Special attention will be given to the process of intervention, admitting, and recording of information as it pertains to alcohol and drug abuse clients. Through an experiential format, participants will learn and practice skills in brief therapy, different levels of client communication and intake interviewing. (Same as ADS 210) (CSU)

PSY 212 (3 UNITS)**RESEARCH METHODS IN PSYCHOLOGY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Successful completion of PSY 101 strongly recommended.

This course introduces students to psychological research reports, as well as methods and critical analysis techniques that may be applied to diverse research studies and issues. (CSU, UC)

PSY 220 (3 UNITS)**PRACTICUM****TERM HOURS: 18 LEC, 108 LAB**

Recommended Preparation: PSY 101, ADS/PSY 120 or SOC 101. A course designed to provide opportunity for the student in Psychology, Human Relations, or Alcohol and Drug Studies to gain experience under supervised conditions such as those involving mental health, child development, youth corrections, welfare, homes for the neglected, homes for the aged, youth recreation, rehabilitation centers for people with physical limitations, and educational settings. Students will be supervised by qualified instructional staff and professionally trained personnel. (Same as ADS 220) (CSU)

PSY 221 (3 UNITS)**PRACTICUM****TERM HOURS: 18 LEC, 108 LAB**

Prerequisite: ADS/PSY 220.

A continuation of ADS/PSY 220 with emphasis in gaining further experience in the same institution or agency or a different institution or agency. (Same as ADS 221) (CSU)

SOCIAL WORK**SW 220 (3 UNITS)****INTRODUCTION TO SOCIAL WORK****TERM HOURS: 54 LEC, 0 LAB**

A survey course that introduces the field of social work as a profession within the context of the institution of social welfare. Development of an understanding of social work principles, goals, values, and methods through readings and class discussion. An unpaid assignment in an agency setting is required. (CSU)

SOCIOLOGY**SOC 101 (3 UNITS)****INTRODUCTION TO SOCIOLOGY****TERM HOURS: 54 LEC, 0 LAB**

An introductory course to the study of society. Major ideas, concepts, and methods in the study of society to include culture, social structure, social stratification, deviance and social control, social change, and marriage in the family. (CSU, UC) (CAN SOC 2)

SOC 102 (3 UNITS)**CONTEMPORARY SOCIAL PROBLEMS****TERM HOURS: 54 LEC, 0 LAB**

This course deals with contemporary social problems and will cover those areas that are currently being defined by our society as problem issues. Emphasis will be given to understanding these problems on the societal level, the group level, and from the standpoint of the individual. (CSU, UC) (CAN SOC 4)

SOC 110 (3 UNITS)**MARRIAGE AND THE FAMILY****TERM HOURS: 54 LEC, 0 LAB**

An introductory course to marriage and the family. Major ideas and concepts include: the history of love and marriage, myths and hidden realities, sex roles, singlehood and pairing, communication and conflict resolution, separation and divorce, remarriage. (CSU)

SOC 124 (3 UNITS)**CRIMINOLOGY****TERM HOURS: 54 LEC, 0 LAB**

Recommended Preparation: Completion of ENGL 100 and ENGL 089 with a grade of "C" or better.

This course explores the nature of crime, measurement and research of crime, the extent of crime, major theories of crime causation, criminal typologies, criminal justice system response to crime, and societal reaction to crime. (Same as AJ 124) (CSU)

SOC 150 (3 UNITS)**SOCIOLOGY OF MINORITY GROUPS****TERM HOURS: 54 LEC, 0 LAB**

This course includes the study of the theories of prejudice and discrimination of different groups within American society. It will cover an historical analysis of the problems of these groups and typical areas will include racism, sexism, ageism, and ethnic and religious discrimination. (Same as ADS 150) (CSU, UC)

SOC 206 (3 UNITS)**SOCIAL PSYCHOLOGY****TERM HOURS: 54 LEC, 0 LAB**

The study of how personality and behavior are influenced by the social environment. The conceptual and research focus is on the relationship between the individual and society. This course includes such topics as: self-concept and social identity, group behavior and group membership. (Same as PSY 206) (CSU, UC)

SPANISH**SPAN 100 (5 UNITS)****ELEMENTARY SPANISH I****TERM HOURS: 90 LEC, 0 LAB**

Prerequisites: The student must be able to speak and read English. Not open to students with native ability in Spanish. (See SPAN 220). For additional oral practice, concurrent enrollment in SPAN 113 is recommended. The beginning Spanish course is based on a contrastive analysis between Spanish and English and is designed to develop in the English-speaking student rudimentary abilities in the four basic language skills: hearing, speaking, reading, and writing. The main emphasis is on the present tense of both regular and irregular verbs. The student will be familiarized with those features of Hispanic culture which reflect the different frame of reference from which the native speaker of Spanish views the world. (CSU) (UC credit limited. See a counselor.) (CAN SPAN 2) (CAN SPAN SEQ A = SPAN 100 and SPAN 110)

SPAN 101 (2.5 UNITS)**ELEMENTARY SPANISH IA****TERM HOURS: 45 LEC, 0 LAB**

This course is one-half the content of the regular SPAN 100 course. Completion of SPAN 101 and 102 sequence will be the equivalent of SPAN 100, and the total of 5 units. (CSU) (UC credit limited. See a counselor.)

SPAN 102 (2.5 UNITS)**ELEMENTARY SPANISH IB****TERM HOURS: 45 LEC, 0 LAB**

This course is one-half the content of the regular SPAN 100 course. Completion of SPAN 101 and 102 sequence will be the equivalent of SPAN 100, and the total of 5 units. (CSU) (UC credit limited. See a counselor.)

SPAN 110 (5 UNITS)**ELEMENTARY SPANISH II****TERM HOURS: 90 LEC, 0 LAB**

A continuation of SPAN 100 with the main emphasis on the imperfect, preterit, and present perfect forms for both regular and irregular verbs. (CSU) (UC credit limited. See a counselor.) (CAN SPAN 4) (CAN SPAN SEQ A = SPAN 100 and SPAN 110)

SPAN 111 (2.5 UNITS)**ELEMENTARY SPANISH IIA****TERM HOURS: 45 LEC, 0 LAB**

This course is one-half the content of the regular SPAN 110 (Formerly SPAN 2) course. Completion of the SPAN 111 and 112 sequence is the equivalent of SPAN 110 for a total of 5 units. A continuation of SPAN 101 or SPAN 102. (CSU) (UC credit limited. See a counselor.) (Formerly SPAN 2A)

SPAN 112 (2.5 UNITS)**ELEMENTARY SPANISH IIB****TERM HOURS: 45 LEC, 0 LAB**

This course is one-half the content of SPAN 110. Completion of the SPAN 111 and 112 sequence is the equivalent of SPAN 110. This course is a continuation of SPAN 111. (CSU) (UC credit limited. See a counselor.)

SPAN 113 (2.5 UNITS)**BEGINNING CONVERSATIONAL SPANISH I****TERM HOURS: 45 LEC, 0 LAB**

A course designed to give the student a basic ability in everyday Spanish. The course will emphasize vocabulary building, conversational skills, listening and comprehension, and culture. (CSU)

SPAN 114 (2.5 UNITS)**BEGINNING CONVERSATIONAL SPANISH II****TERM HOURS: 45 LEC, 0 LAB**

A continuation of SPAN 113. (CSU)

SPAN 116 (3 UNITS)**SPANISH FOR HEALTH CARE PROFESSIONALS****TERM HOURS: 54 LEC, 0 LAB**

The course is designed specifically to meet the communication needs of persons engaged in the health professions: doctors, dentists, nurses, technicians, and aides. No prior knowledge of Spanish is necessary. The course introduces basic grammatical structures of Spanish and focuses on the vocabulary associated with these professions. (CSU)

SPAN 200 (5 UNITS)**INTERMEDIATE SPANISH I****TERM HOURS: 90 LEC, 0 LAB**

Prerequisite: The student must be able to speak and read English. The student can be successful in SPAN 200 only after having achieved all of the minimal performance objectives specified for both SPAN 100 and SPAN 110. Either a recent course in SPAN 110 or a recent 3 year high school Spanish course with good retention should enable the student to succeed in SPAN 200. A continuation of SPAN 110 covering the uses of all Spanish tenses with special emphasis on the subjunctive and imperative modes. (CSU) (UC credit limited. See a counselor.) (CAN SPAN 8) (CAN SPAN SEQ B = SPAN 200 and SPAN 210)

SPAN 210 (5 UNITS)**INTERMEDIATE SPANISH II****TERM HOURS: 90 LEC, 0 LAB**

Prerequisite: The student must be able to speak and read English. The student can be successful in SPAN 210 only after having achieved all of the minimal performance objectives specified for SPAN 100, SPAN 110, and SPAN 200. A recent course in SPAN 200 or the recent completion of 4 years of high school Spanish with good retention should enable the student to succeed in SPAN 210. A continuation of SPAN 200 but with greater emphasis on the reading and writing skills. The student will work with all tenses and modes of the Spanish language. (CSU) (UC credit limited. See a counselor.) (CAN SPAN 10) (CAN SPAN SEQ B = SPAN 200 and SPAN 210)

SPAN 215 (1 UNITS)**SPANISH SPELLING AND BEGINNING WRITING****TERM HOURS: 18 LEC, 0 LAB**

This course is designed specifically for students who speak Spanish natively or nearly natively, but who have difficulty in reading and/or writing standard Spanish. The course will address the specific problems native speakers of Spanish have regarding spelling, accent marks, punctuation and the mechanics of writing paragraphs. (CSU)

SPAN 220 (5 UNITS)**BILINGUAL SPANISH I****TERM HOURS: 90 LEC, 0 LAB**

Prerequisite: Spanish speaking fluency, native or near-native or 3 years of high school Spanish.

The course is designed to develop in the student the four basic language skills of listening, speaking, reading, and writing with a constant comparison between Spanish and English usage. Emphasis will be on the indicative tenses: present, preterit, imperfect, and future. These skills will be explored through reading in the contemporary culture of Spain, Latin America, and the Spanish speaking communities in the United States - Mexican, Cuban, Puerto Rican, and Sephardic. (CSU) (UC credit limited. See a counselor.)

SPAN 221 (5 UNITS)**BILINGUAL SPANISH II****TERM HOURS: 90 LEC, 0 LAB**

Continuation of SPAN 220. Emphasis on the conditional and the subjunctive forms. (CSU) (UC credit limited. See a counselor.)

SPAN 222 (3 UNITS)**BILINGUAL ORAL SPANISH****TERM HOURS: 54 LEC, 0 LAB**

An intensive course in oral Spanish for students who have learned Spanish as a native language. It is intended for students who may read well and have good grammar but need more practice in oral structures. This course will include a brief grammar review and discussion of relevant everyday topics of social concern. Concurrent enrollment in SPAN 221 is recommended, but not required. (CSU, UC)

SPAN 223 (4 UNITS)**SPANISH READING AND WRITING****TERM HOURS: 72 LEC, 0 LAB**

Recommended Preparation: SPAN 210 or SPAN 221.

This course is designed to develop reading and writing skills for the student of Spanish. Emphasis will be placed on the process of writing as preparation for upper division work. In addition, the student will review grammar, punctuation, and spelling. Selected readings from Chicano, Spanish American, and Spanish literature will be included. (CSU, UC)

SPAN 225 (3 UNITS)**INTRODUCTION TO SPANISH AMERICAN LITERATURE****TERM HOURS: 54 LEC, 0 LAB**

Introductory survey of representative movements, authors, and works of Spanish American literature from the Spanish Discovery to the present. Course conducted in Spanish. (CSU, UC)

SPAN 260 (3 UNITS)
THE MEXICAN AMERICAN IN LITERATURE
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: Eligibility for ENGL 101.
 Study of the contributions by Mexican Americans to all genres of literature. Course to be developed through the study of the Mexican American historical backgrounds, and by contrasting and comparing the works of Mexican Americans with their familiar Anglo American counterparts, as well as with the works of familiar Mexican authors. This course will concentrate on the cultural and literary heritage of the Mexican American. Conducted in English. (Same as ENGL 260) (CSU, UC)

SPAN 262 (3 UNITS)
INTRODUCTION TO MEXICAN AMERICAN STUDIES
TERM HOURS: 54 LEC, 0 LAB

An interdisciplinary survey of the historical role, culture, values, and artistic contributions of the Mexican Americans to the United States. From 1836 to the present. Course conducted in English. (CSU, UC)

SPEECH

SPCH 100 (3 UNITS)
ORAL COMMUNICATION
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: ENGL 100 or higher.
 Training in the fundamental processes involved in oral communication with emphasis on organizing material, outlining, constructing, and delivering various forms of speeches. (CSU, UC) (CAN SPCH 4)

SPCH 110 (3 UNITS)
PUBLIC SPEAKING
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: SPCH 100.
 A continuation of SPCH 100 with particular emphasis on organization and delivery, and study in the areas of parliamentary procedure, debate, discussion, and oral reading. (CSU, UC)

SPCH 180 (3 UNITS)
ARGUMENTATION AND DEBATE
TERM HOURS: 54 LEC, 0 LAB

Recommended Preparation: SPCH 100.
 An introduction to debate, with emphasis on the creation and refutation of arguments concerning current social, political, and legal issues. (CSU, UC) (CAN SPCH 6)

THEATRE ARTS

THEA 100 (3 UNITS)
INTRODUCTION TO THEATRE
TERM HOURS: 54 LEC, 0 LAB

An introduction to the art of theatre to include the nature of theatrical presentation, elements of dramatic structure, and the contributions of the playwright, actor, director, designer, technician, and audience. (CSU, UC)

THEA 120 (3 UNITS)
FUNDAMENTALS OF ACTING
TERM HOURS: 54 LEC, 0 LAB

An introduction to the interpretation of drama through the art of the actor. Development of individual insights, skills, and disciplines in the presentation of the dramatic materials to an audience. (CSU, UC)

THEA 121 (3 UNITS)
INTERMEDIATE ACTING
TERM HOURS: 0 LEC, 108 LAB

Recommended Preparation: THEA 120.
 A continuation of THEA 120 with further emphasis on fundamental acting skills. Laboratory hours to be arranged. Maximum credit six units. (CSU, UC)

THEA 180 (1 UNITS)
REHEARSAL AND PERFORMANCE
TERM HOURS: 0 LEC, 36 LAB

Enrollment contingent upon participation in campus major dramatic production. Maximum credit one unit per semester for four semesters. Hours to be arranged. Maximum credit four units. (CSU, UC)

WATER TREATMENT TECHNOLOGY

WT 110 (4 UNITS)
WATER TREATMENT PLANT OPERATOR I
TERM HOURS: 72 LEC, 0 LAB

This course will provide information needed to operate a basic freshwater treatment plant as efficiently as possible. Course will consist of water sources and treatment, coagulation and flocculation, sedimentation, filtration, disinfection, corrosion control, taste and odor control, laboratory procedures, and plant operation math. (CSU)

WT 120 (3 UNITS)
COMPUTATIONAL PROCEDURES FOR TREATMENT PLANT OPERATOR I
TERM HOURS: 54 LEC, 0 LAB

This course is designed to give water and wastewater treatment operators a general knowledge of basic mathematics as applied to treatment plant operations. This course includes calculation of treatment plant problems, fractions, decimals, percentages, ratios, proportions, averages, areas, volumes, metric system conversions, and estimation. (CSU)

WT 130 (4 UNITS)
WASTEWATER TREATMENT I
TERM HOURS: 72 LEC, 0 LAB

Recommended Preparation: WT 120.
 This course is designed to train operators in the effective operation of wastewater treatment plants. Course will consist of the fundamentals of wastewater treatment, start-up operation, daily operation, interpretation of laboratory results, and process control. (CSU)

WT 140 (4 UNITS)
WATER DISTRIBUTION SYSTEMS
TERM HOURS: 72 LEC, 0 LAB

This course is designed to provide operators with the necessary skills required for the proper installation, inspection, operation, maintenance, repair, and management of water distribution systems. Among the topics covered are: distribution mathematics, distribution system hydraulics, state and federal regulations distribution systems design, water main and valve installation, fire hydrants, water services and meters, backflow and cross-connection control pumps and motors, occupational safety, and utility management. (CSU)

WT 210 (4 UNITS)
WATER TREATMENT PLANT OPERATOR II
TERM HOURS: 72 LEC, 0 LAB

Prerequisite: WT 110.

Study of freshwater treatment plant safety, iron, and manganese control; fluoridation, softening, demineralization, handling, and disposal of process wastes; instrumentation, maintenance, administration, drinking water regulations, and treatment plant math. (CSU)

WT 220 (3 UNITS)
COMPUTATIONAL PROCEDURES FOR TREATMENT PLANT OPERATOR II
TERM HOURS: 54 LEC, 0 LAB

Prerequisite: WT 120.

This course is designed to give water and wastewater treatment operators a general knowledge of basic mathematics as applied to treatment plant operations. This course includes mathematics pertaining to wastewater collection, preliminary treatment, secondary treatment, trickling filters, secondary clarifiers, and activated sludge. (CSU)

WT 230 (4 UNITS)
WASTEWATER TREATMENT II
TERM HOURS: 72 LEC, 0 LAB

Prerequisite: WT 130.

Course will consist of wastewater maintenance, plant safety, sampling, laboratory procedures, hydraulics, records, process control, activated sludge, sludge digestion, solids handling, and possible approaches to solving operational problems. (CSU)

WELDING

WELD 075 (3 UNITS)
BASIC SHOP SKILLS
TERM HOURS: 54 LEC, 0 LAB

This is a comprehensive course in tool usage, nomenclature, and terminology of tools and equipment for the beginning student in the technologies. The course is for the student who has not developed a background in industrial technology, as well as for the bilingual student who wants to improve his/her technical vocabulary. (Same as AGET 075/AU T 075) (Nontransferable, AA/AS degree only)

WELD 081 (1 UNITS)
FLUX CORE ARC WELDING TECHNIQUES
TERM HOURS: 0 LEC, 36 LAB

Recommended Preparation: WELD 130.

This course is a techniques (lab only) course designed to afford the student the time-at-task to develop entry level flux core arc welding skills. This course serves as a supplement to all other welding courses.

WELD 130 (5 UNITS)
WELDING TECHNOLOGY
TERM HOURS: 54 LEC, 108 LAB

A complete basic study of welding technology. The student practices techniques for skill development in shielded metal arc welding, gas tungsten arc welding, and oxy-acetylene welding processes. (CSU)

WELD 160 (3 UNITS)
GAS TUNGSTEN ARC WELDING
TERM HOURS: 36 LEC, 54 LAB

Basic skills and/or some welding skills. Theory, practice, and application of Gas Tungsten Arc Welding processes on aluminum, stainless steel, mild steel, and other alloys. (CSU)

WELD 220 (5 UNITS)
ARC WELDING PROCESS
TERM HOURS: 54 LEC, 108 LAB

Recommended preparation: WELD 130.

A concentrated course in shielded metal arc welding. The student develops his/her welding skill to a professional entry level. Includes a review of oxy-acetylene cutting and safety. (CSU)

WELD 240 (5 UNITS)
PIPE AND STRUCTURAL WELDING
TERM HOURS: 54 LEC, 108 LAB

Recommended preparation: WELD 220. Emphasis is on skill development for shielded metal arc welding of pipe and heavy structural plate. Gas metal arc welding process is included to further enhance the welder's abilities. Advanced processes for shielded metal arc welding, gas metal arc welding, and oxy-acetylene welding are presented in all phases of the class. (CSU)

WELD 250 (3 UNITS)
WELDER QUALIFICATION AND BLUE PRINT READING
TERM HOURS: 36 LEC, 54 LAB

Recommended Preparation: WELD 220 and WELD 240.

Emphasis is on welding operator qualification testing. This course is for the experienced welder and for the student completing the final phase of the Welding Technology Program. A detailed study of blueprint reading and Welding Code interpretation is included to further develop the welder's ability.

WORK EXPERIENCE

WE 201 (1 UNITS)
EMPLOYMENT READINESS
TERM HOURS: 18 LEC, 0 LAB

A course that may be taken as a stand-alone or as a companion course related to WE 210 or WE 220. Skills development in the areas of job search, employer contact, résumé writing, applications and cover letter, interviewing techniques, appropriate dress, job-holding practices and on-site learning objectives. A review of factors relating to or contributing to job success, including motivation, attitude, human relations, leadership, personal, as well as, group relationships, and behavior. May be repeated for a total of four units. (CSU)

WE 210 (1 UNITS)
GENERAL WORK EXPERIENCE
TERM HOURS: 0 LEC, 63 LAB

Corequisite: Must be taken in conjunction with WE 201.

A sequence of on-the-job learning experiences designed to assist the student in acquiring desirable work habits, attitudes and career awareness. Current employment for volunteer/unpaid experience need not be related to the students' educational goal. One unit of credit is earned for each 60 hours of volunteer/unpaid work or 75 hours of paid work, with a maximum of three units per session, students must complete one other course in addition to Work Experience. May be repeated a maximum of three times for a maximum of six units. (CSU)

WE 220 (1 UNITS)
INTERNSHIP
TERM HOURS: 0 LEC, 63 LAB

Corequisite: Must be taken in conjunction with WE 201.

A course that is supervised employment extending classroom-based occupational learning at an on-the-job learning site relating to the students' educational or occupational (major or career) goals. One unit of credit is earned for each 60 hours (3.8 to 15 hours a week) of volunteer/unpaid work or 75 hours (4.7 to 18.8 hours a week) of paid work, with a maximum of 4 units per semester. During a regular semester, students must complete a minimum of 7 units, including Internship. During the summer session, students must complete one other course in addition to Internship. Maximum credit sixteen units. (CSU)

APPRENTICESHIP TRAINING PROGRAMS

Apprenticeship training programs provide the participant an opportunity for formal training consisting of a balance between on-the-job-training (OJT) and technical related and supplemented instruction (RSI) directly associated with the particular trade or industry. The OJT is coordinated through the Imperial Irrigation District (IID) and the RSI is provided by Imperial Valley College.

To be eligible to participate in any of the apprenticeship training programs, an individual must be an employee of the IID. Applicants for these apprenticeship programs are directed to the IID located at 333 E. Barioni Blvd, Imperial, California 92251, telephone (760) 482-9640. Apprentices must complete the eight courses listed below that correspond to the apprenticeship program they are in. The AP** 105-108 courses are open only to IID apprentices.

The ELTT (101-104) courses are open to apprentices and non-apprentices. While completion of the ELTT courses does not require nor assure employment with the IID, it does place an individual in a better position to seek employment. Non-apprentices should refer to the Electrical

APPRENTICESHIP – ELECTRICIAN	APPRENTICESHIP – GENERATION MECHANIC	APPRENTICESHIP – METER TECHNICIAN	APPRENTICESHIP – POWER LINEMAN	APPRENTICESHIP – RELAYS TECHNICIAN	APPRENTICESHIP – SCADA/ TELECOMMUNICATIONS TECHNICIAN	APPRENTICESHIP – SUBSTATION- ELECTRICIAN
ELTT 101	ELTT 101	ELTT 101	ELTT 101	ELTT 101	ELTT 101	ELTT 101
ELTT 102	ELTT 102	ELTT 102	ELTT 102	ELTT 102	ELTT 102	ELTT 102
ELTT 103	ELTT 103	ELTT 103	ELTT 103	ELTT 103	ELTT 103	ELTT 103
ELTT 104	ELTT 104	ELTT 104	ELTT 104	ELTT 104	ELTT 104	ELTT 104
APEL 105	APGN 105	APMT 105	APLN 105	APRL 105	APSC 105	APSB 105
APEL 106	APGN 106	APMT 106	APLN 106	APRL 106	APSC 106	APSB 106
APEL 107	APGN 107	APMT 107	APLN 107	APRL 107	APSC 107	APSB 107
APEL 108	APGN 108	APMT 108	APLN 108	APRL 108	APSC 108	APSB 108

APPRENTICESHIP-ELECTRICIAN

APEL 101 (4 UNITS)

ELECTRICIAN I

TERM HOURS: 54 LEC, 54 LAB

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job-skills. (Same as APGN 101, APLN 101, APMT 101, APRL 101, APSB 101, APSC 101, and ELTT 101) (Nontransferable, nondegree applicable)

APEL 102 (4 UNITS)

ELECTRICIAN II

TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APEL 101 - Electrician I.

Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APGN 102, APLN 102, APMT 102, APRL 102, APSB 102, APSC 102 and ELTT 102) (Nontransferable, nondegree applicable)

APEL 103 (4 UNITS)

ELECTRICIAN III

TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APEL 102 - Electrician II.

An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APGN 103, APLN 103, APMT 103, APRL 103, APSB 103, APSC 103, and ELTT 103)(Nontransferable, nondegree applicable)

APEL 104 (4 UNITS)

ELECTRICIAN IV

TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APEL 103 - Electrician III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APGN 104, APLN 104, APMT 104, APRL 104, APSB 104, APSC 104, and ELTT 104) (Nontransferable, nondegree applicable)

APEL 105 (4 UNITS)

ELECTRICIAN V

TERM HOURS: 54 LEC, 54 LAB

Prerequisite(s): APEL 104 - Electrician IV.

Instruction in print reading, removal and maintenance (i.e., transmission structures, transmission line installation, climbing steel poles and towers, working on de-energized lines, rigging for high voltage work, hot transmission line repair) and implementation of applied calculations. (Nontransferable, nondegree applicable)

APEL 106 (4 UNITS)**ELECTRICIAN VI****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APEL 105 - Electrician V.

Comprehensive review in AC theory and advanced training in control equipment, (i.e., capacitors, reactors, and circuit breakers), review of high voltage terminations, relays and transformers. Implementation and review of safety regulations applicable to switchyards, substations and confined spaces. (Nontransferable, nondegree applicable)

APEL 107 (4 UNITS)**ELECTRICIAN VII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APEL 106 - Electrician VI.

Instruction in Right-of-Ways/Easements, Flash outs and Electrical Burns. Training in a broad scope of areas usual to the power utility industry (i.e., meters, cable fault location, etc.). Review of various safety issues appropriate to the power utility industry. (Nontransferable, nondegree applicable)

APEL 108 (4 UNITS)**ELECTRICIAN VIII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APEL 107 - Electrician VII.

Comprehensive review of practical electrical wiring including residential and commercial wiring systems. Review of construction safety and the use of test equipment, small electrical devices and transformers. Advanced apprentice training in resistance and wire size and Title VIII Underground and overhead work. Preparation for the National Electrical Code Journey Exam. (Nontransferable, nondegree applicable)

APPRENTICESHIP-GENERATION MECH**APGN 101 (4 UNITS)****GENERATION MECHANIC I****TERM HOURS: 54 LEC, 54 LAB**

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job skills. (Same as APEL 101, APLN 101, APMT 101, APRL 101, APSB 101, APSC 101, and ELTT 101) (Nontransferable, nondegree applicable)

APGN 102 (4 UNITS)**GENERATION MECHANIC II****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APGN 101 - Generation Mechanic I.

Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APEL 102, APLN 102, APMT 102, APRL 102, APSB 102, APSC 102 and ELTT 102) (Nontransferable, nondegree applicable)

APGN 103 (4 UNITS)**GENERATION MECHANIC III****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APGN 102 - Generation Mechanic II.

An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APEL 103, APLN 103, APMT 103, APRL 103, APSB 103, APSC 103, and ELTT 103) (Nontransferable, nondegree applicable)

APGN 104 (4 UNITS)**GENERATION MECHANIC IV****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APEL 103 - Electrician III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APGN 104, APLN 104, APMT 104, APRL 104, APSB 104, APSC 104, and ELTT 104) (Nontransferable, nondegree applicable)

APGN 105 (4 UNITS)**GENERATION MECHANIC V****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APGN 104 - Generation Mechanic IV.

Comprehensive review in AC theory, application and generation line systems augmented with an introduction of hydro electric power, generation, dispatching, hydro power operations and related construction standards. (Nontransferable, nondegree applicable)

APGN 106 (4 UNITS)**GENERATION MECHANIC VI****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APGN 105 - Generation Mechanic V.

Advanced review in AC theory, application and generation line systems augmented with an introduction of hydro electric power, generation, dispatching, hydro power operations and related construction standards. (Nontransferable, nondegree applicable)

APGN 107 (4 UNITS)**GENERATION MECHANIC VII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisites: APGN 106 - Generation Mechanic VI.

Advanced theory in the use of rules and regulations, specialized equipment, repair and maintenance of hydro-generators, safety practices, local and state requirements, and control systems. (Nontransferable, nondegree applicable)

APGN 108 (4 UNITS)**GENERATION MECHANIC VII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APGN 107 - Generation Mechanic VII.

Comprehensive review in AC theory and advanced training in distribution line maintenance (i.e., transmission structures, transmission line installation, climbing steel poles and towers, working on de-energized lines, rigging for high voltage work, hot transmission line repair, using temporary structures, and usage of gloves and hot sticks). Preparation for the National Electrical Code Journey Exam. (Nontransferable, nondegree applicable)

APPRENTICESHIP-METER TECH**APMT 101 (4 UNITS)
METER TECHNICIAN I****TERM HOURS: 54 LEC, 54 LAB**

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job skills. (Same as APEL 101, APGN 101, APLN 101, APRL 101, APSB 101, APSC 101, and ELTT 101) (Nontransferable, nondegree applicable)

**APMT 102 (4 UNITS)
METER TECHNICIAN II****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APMT 101 - Meter Technician I.

Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APEL 102, APGN 102, APLN 102, APRL 102, APSB 102, APSC 102 and ELTT 102) (Nontransferable, nondegree applicable)

**APMT 103 (4 UNITS)
METER TECHNICIAN III****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APMT 102 - Meter Technician II.

An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APEL 103, APGN 103, APLN 103, APRL 103, APSB 103, APSC 103, and ELTT 103) (Nontransferable, nondegree applicable)

**APMT 104 (4 UNITS)
METER TECHNICIAN IV****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APMT 103 - Meter Technician III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APEL 104, APGN 104, APLN 104, APRL 104, APSB 104, APSC 104, and ELTT 104) (Nontransferable, nondegree applicable)

**APMT 105 (4 UNITS)
METER TECHNICIAN V****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APMT 104 - Meter Technician IV.

Comprehensive review in AC theory and basic wiring for meter installations, working on de-energized lines, rigging for high voltage work, troubleshooting and testing for meter failures. (Nontransferable, nondegree applicable)

**APMT 106 (4 UNITS)
METER TECHNICIAN VI****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APMT 105 - Meter Technician V.

The basic principles in the construction, operation, maintenance

procedures and print reading associated with substations and switchyards. (Nontransferable, nondegree applicable)

**APMT 107 (4 UNITS)
METER TECHNICIAN VII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisites: APMT 106 - Meter Technician VI.

Theory and practicum in the procedures for completing commercial and residential connections, extensive overview of wathour installations, and the advanced review of electrical test equipment. (Nontransferable, nondegree applicable)

**APMT 108 (4 UNITS)
METER TECHNICIAN VIII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APMT 107 - Meter Technician VII.

Advanced theory in the use of specialized test equipment, repair and maintenance of motors, generators and pumps, safety practices, local and state requirements, and electrical mathematics. (Nontransferable, nondegree applicable)

APPRENTICESHIP-POWER LINEMAN**APLN 101 (4 UNITS)
POWER LINEMAN I****TERM HOURS: 54 LEC, 54 LAB**

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job skills. (Same as APEL 101, APGN 101, APMT 101, APRL 101, APSB 101, APSC 101, and ELTT 101) (Nontransferable, nondegree applicable)

**APLN 102 (4 UNITS)
POWER LINEMAN II****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APLN 101 - Power Lineman I.

Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APEL 102, APGN 102, APMT 102, APRL 102, APSB 102, APSC 102 and ELTT 102) (Nontransferable, nondegree applicable)

**APLN 103 (4 UNITS)
POWER LINEMAN III****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APLN 102 - Power Lineman II.

An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APEL 103, APGN 103, APMT 103, APRL 103, APSB 103, APSC 103, and ELTT 103) (Nontransferable, nondegree applicable)

APLN 104 (4 UNITS)**POWER LINEMAN IV****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APLN 103 - Power Lineman III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APEL 104, APGN 104, APMT 104, APRL 104, APSB 104, APSC 104, and ELTT 104) (Nontransferable, nondegree applicable)

APLN 105 (4 UNITS)**POWER LINEMAN V****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APLN 104 - Power Lineman IV.

Comprehensive review in AC theory and advanced training in distribution line maintenance (i.e., transmission structures, transmission line installation, climbing steel poles and towers, working on de-energized lines, rigging for high voltage work, hot transmission line repair, using temporary structures, and usage of gloves and hot sticks). (Nontransferable, nondegree applicable)

APLN 106 (4 UNITS)**POWER LINEMAN VI****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APLN 105 - Power Lineman V.

The basic principles in the construction, operation, and maintenance procedures associated with substations and switchyards. (Nontransferable, nondegree applicable)

APLN 107 (4 UNITS)**POWER LINEMAN VII****TERM HOURS: 54 LEC, 54 LAB**

Pre-requisites: APLN 106 - Power Lineman VI.

Theory and practicum in the procedures for completing commercial and residential connections, extensive overview of watt hour installations, and the installation and maintenance of series and multiple circuit street lighting systems. (Nontransferable, nondegree applicable)

APLN 108 (4 UNITS)**POWER LINEMAN VIII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisites: APLN 107 - Power Lineman VII.

Advanced theory in the use of "hot sticks," specialized equipment, repair and maintenance of poles and lines (energized and de-energized), safety practices, local and state requirements, and lineman mathematics. (Nontransferable, nondegree applicable)

APPRENTICESHIP-RELAYS TECH**APRL 101 (4 UNITS)****RELAYS TECHNICIAN I****TERM HOURS: 54 LEC, 54 LAB**

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job-skills. (Same as APEL 101, APGN 101, APLN 101, APMT 101, APSB 101, APSC 101, and ELTT 101) (Nontransferable, nondegree applicable)

APRL 102 (4 UNITS)**RELAYS TECHNICIAN II****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APRL 101 - Relays Technician I.

Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APEL 102, APGN 102, APLN 102, APMT 102, APSB 102, APSC 102 and ELTT 102) (Nontransferable, nondegree applicable)

APRL 103 (4 UNITS)**RELAYS TECHNICIAN III****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APRL 102 - Relays Technician II An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APEL 103, APGN 103, APLN 103, APMT 103, APSB 103, APSC 103, and ELTT 103) (Nontransferable, nondegree applicable)

APRL 104 (4 UNITS)**RELAYS TECHNICIAN IV****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APRL 103 - Relays Technician III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APEL 104, APGN 104, APLN 104, APMT 104, APSB 104, APSC 104, and ELTT 104) (Nontransferable, nondegree applicable)

APRL 105 (4 UNITS)**RELAYS TECHNICIAN V****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APRL 104 - Relays Technician IV.

Comprehensive review in AC substation safety and AC theory with an introduction to troubleshooting in the field. An introduction to working on de-energized substation equipment and lines. (Nontransferable, nondegree applicable)

APRL 106 (4 UNITS)**RELAYS TECHNICIAN VI****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APRL 105 - Relays Technician V.

An introduction to instrument transformers and substation metering devices. Continued study in principles and application of capacitors, reactors, circuit breakers, and relays. Introduction to the basic principles in the operation of power transformers. (Nontransferable, nondegree applicable)

APRL 107 (4 UNITS)**RELAYS TECHNICIAN VII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisites: APRL 106 - Relays Technician VI.

Overview of switching orders, flashouts and electrical burns. Theory and practicum in the procedures for completing, testing, and troubleshooting commercial and residential connections. Review of advanced electrical systems. (Nontransferable, nondegree applicable)

APRL 108 (4 UNITS)**RELAYS TECHNICIAN VIII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APRL 107 - Relays Technician VII.

Advanced review in types of relays for generators, transmission applications, transformers and substation buss protection; and review of IID communication systems. Comprehensive study in the principles of disaster recovery and use of emergency generators. (Nontransferable, nondegree applicable)

APPRENTICESHIP-SCADA/ TELECOMMUNICATIONS TECHNICIAN

APSC 101 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN I****TERM HOURS: 54 LEC, 54 LAB**

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job skills. (Same as APEL 101, APGN 101, APLN 101, APMT 101, APRL 101, APSB 101, and ELTT 101) (Nontransferable, nondegree applicable)

APSC 102 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN II****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APSC 101 - SCADA/Telecommunications Technician I Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APEL 102, APGN 102, APLN 102, APMT 102, APRL 102, APSB 102 and ELTT 102) (Nontransferable, nondegree applicable)

APSC 103 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN III****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APSC 102 - SCADA/Telecommunications Technician II.

An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APEL 103, APGN 103, APLN 103, APMT 103, APRL 103, APSB 103, and ELTT 103) (Nontransferable, nondegree applicable)

APSC 104 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN IV****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APSC 103 - SCADA/Telecommunications Technician III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APEL 104, APGN 104, APLN 104, APMT 104, APRL 104, APSB 104, and ELTT 104) (Nontransferable, nondegree applicable)

APSC 105 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN V****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APSC 104 - SCADA/Telecommunications Technician IV. Instruction in distribution line installation, maintenance, repair, and

removal. Training in the use of hot sticks and gloves. An overview of pole top transformer, transmission and distribution line replacement, and working on de-energized transmission lines. Advanced review of high voltage AC systems and advanced mathematical review. (Nontransferable, nondegree applicable)

APSC 106 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN VI****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APSC 105 - SCADA/Telecommunications Technician V.

Comprehensive review in AC theory and advanced training in distribution line maintenance (i.e., transmission structures, transmission line installation, climbing steel poles and towers, working on de-energized lines, rigging for high voltage work, hot transmission line repair, using temporary structures, and the safe use of gloves and hotsticks). (Nontransferable, nondegree applicable)

APSC 107 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN VII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APSC 106 - SCADA/Telecommunications Technician VI.

Introduction to Service Connections and Watthour Meters (i.e., service installation, electric meters, and cable fault location). An overview of the use and maintenance of compressors and pneumatic tools. Safety training in T & D maintenance, transmission line safety and flashouts/electrical burns. An introduction to fiber optic connections. (Nontransferable, nondegree applicable)

APSC 108 (4 UNITS)**SCADA/TELECOMMUNICATIONS TECHNICIAN VIII****TERM HOURS: 54 LEC, 54 LAB**

Prerequisite: APSC 107 - SCADA/Telecommunications Technician VII.

Comprehensive review of industry standards relative to constructing microwave and telecommunication systems. Review of construction safety and the use of test equipment, small electrical devices and transformers. Advanced apprentice training in resistance and wire size and Title VIII Underground and overhead work. (Nontransferable, nondegree applicable)

APPRENTICESHIP-SUBSTATION- ELECTRICIAN

APSB 101 (4 UNITS)**SUBSTATION-ELECTRICIAN I****TERM HOURS: 54 LEC, 54 LAB**

Basic mathematical functions and computations as they pertain to electricity and electronics. Introduction to basic principles of electricity, AC/DC circuits, electromagnetism, symbols, schematic diagrams, and fundamental safety skills as they pertain to on-the-job skills. (Same as APEL 101, APGN 101, APLN 101, APMT 101, APRL 101, APSC 101, and ELTT 101) (Nontransferable, nondegree applicable)

APSB 102 (4 UNITS)
SUBSTATION-ELECTRICIAN II
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APSB 101 - Substation-Electrician I.

Designed to give the apprentice an overview of transmission and distribution systems (T&D), and the various components used in the utility industry. Additional topics will include high voltage AC power, study of electrical diagrams, safety in the workplace, and a section on rope, rigging, and hand signals. (Same as APEL 102, APGN 102, APLN 102, APMT 102, APRL 102, APSC 102 and ELTT 102) (Nontransferable, nondegree applicable)

APSB 103 (4 UNITS)
SUBSTATION-ELECTRICIAN III
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APSB 102 - Substation-Electrician II.

An introduction to framing, setting, guying poles, installation of conductors and grounds, and the laying out and constructing of an underground line system. (Same as APEL 103, APGN 103, APLN 103, APMT 103, APRL 103, APSC 103, and ELTT 103)(Non-transferable, nondegree applicable)

APSB 104 (4 UNITS)
SUBSTATION-ELECTRICIAN IV
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APSB 103 - Substation-Electrician III.

Instruction in maintenance line distribution and underground line maintenance. (Same as APEL 104, APGN 104, APLN 104, APMT 104, APRL 104, APSC 104, and ELTT 104) (Nontransferable, nondegree applicable)

APSB 105 (4 UNITS)
SUBSTATION - ELECTRICIAN V
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APSB 104 - Substation-Electrician IV.

Comprehensive review in AC theory and advanced training in distribution line maintenance (i.e., transmission structures, transmission line installation, climbing steel poles and towers, working on de-energized lines, hot transmission line repair, safe usage of gloves and other safety equipment, working in confined spaces and substations). (Nontransferable, nondegree applicable)

APSB 106 (4 UNITS)
SUBSTATION-ELECTRICIAN VI
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APSB 105 - Substation-Electrician V.

Comprehensive review in AC theory and advanced training in substation construction and maintenance, transmission line installation, working on de-energized lines, rigging for high voltage work, appropriate use of control equipment. (Nontransferable, nondegree applicable)

APSB 107 (4 UNITS)
SUBSTATION-ELECTRICIAN VII
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APSB 106 - Substation-Electrician VI.

Theory and practicum in the procedures for recognizing easements and right-of-ways, extensive overview of watt hour installations, installation and maintenance of circuit breakers and review of basic business protocols. (Nontransferable, nondegree applicable)

APSB 108 (4 UNITS)
SUBSTATION-ELECTRICIAN VIII
TERM HOURS: 54 LEC, 54 LAB

Prerequisite: APSB 107 - Substation-Electrician VII.

Advanced theory in the use of specialized equipment, repair and maintenance of circuit breakers and regulators, safety practices, review of local and state construction requirements. (Nontransferable, nondegree applicable)



MAJORS

Generally, eighteen (18) units of specified course work will satisfy the requirement for the major. However, some majors will require more than eighteen (18) units. Please note the specified number of required units at the beginning of each major description.

The following definitions apply to the major descriptions shown in this catalog:

1. **“Required courses”** are the specific courses which must be taken to fulfill the requirements in an area of study.
2. **“Acceptable courses”** are those from which the student may select in order to meet the total units requirement. The total number of units from the required course list, plus the number of units selected by the student from the acceptable course list, must equal at least the total unit count required for the major.
3. **“Recommended Courses”** are courses that are recommended as electives are beyond the major’s requirement. These courses are suggested only, and selection from this list depends upon the student’s individual desire and the total number of electives available within his/her own program.

Students may satisfy the major requirements in the following fields of study:

ADMINISTRATION OF JUSTICE (MAJOR CODE: 0102)

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF “C” OR BETTER.

Twenty-four (24) units required for the major

I. Required courses for the major

AJ 100	Intro to the Administration of Justice	3
AJ/CSI 102	Concepts of Criminal Law	3
AJ 104	Legal Aspects of Evidence	3
AJ 106	Principles and Procedures of the Justice System	3
AJ 110	Police Community Relations	3
AJ/CSI 120	Public Safety Communications	3
AJ100	Intro to Admin of Justice	3.0
AJ/CSI102	Concepts of Criminal Law	3.0
AJ104	Legal Aspects of Evidence	3.0
AJ106	Prin & Proced of the Justice System	3.0
AJ110	Police Community Relations	3.0
AJ/CSI120	Public Safety Communications	3.0

II. Acceptable courses for the major

(6 units from the following courses).

AJ 080	Security Guard (Arrest)	0.5
--------	-------------------------------	-----

AJ 121	Police Field Operations	3
AJ 122	Criminal Investigation	3
AJ 123	Juvenile Control	3
AJ/SOC 124	Criminology	3
AJ 141	Arrest and Firearms	3.5
CSI 100	Introduction to Corrections	3
CSI 104	Concepts of Probation & Parole	3

III. Recommended as electives (do **NOT** fulfill major requirements)

AJ 142	Reserve Officer III	10
AJ 144	Reserve Officers Level II	13.5
AJ 150	Advanced Officers Course	5-3

AGRICULTURAL BUSINESS MANAGEMENT (MAJOR CODE: 0002)

The Agricultural Business Management major is the application of business concepts to the agricultural industry and emphasizes training in management for careers in agriculture. These careers may include the management and operations of farms as well as in the management of firms that supply the service to farms and by those engaged in processing, marketing, distribution, and sales of farm products.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF “C” OR BETTER.

Twenty-four (24) units required for the major

I. Required courses for the major

AG 130	Agricultural Economics	3
AG/BUS 132	Business Management	3
AG 134	Agricultural Bus Organization	3
AG 136	Agricultural Sales and Service Management ...	3
CIS 101	Intro to Information Systems	3
ECON 102	Intro to Microeconomics	3

II. Acceptable courses for the major

(select a minimum of 6 units)

AG 080	Pesticide Safety	1
AG 120	Soil Science	3
AG 138	Computer Applications in Agriculture	3
AG 160	Food & Fiber in a Changing World	3
BUS 126	Business and the Legal Environment	3
BUS 210	Principles of Financial Accounting	4
BUS 220	Principles of Managerial Accounting	4
CHEM 100	Introduction to Chemistry	4

AGRICULTURAL SCIENCE (MAJOR CODE: 0008)

The Agricultural Science major deals with the application of the various principles of the biological and physical sciences in agriculture. The course offerings are fundamental and broad in scope so that students can prepare for transfer or one of the hundreds of opportunities in the Animal Science or Soil Science.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Twenty-six (26) units required for the major

I. Required courses for the major .

AG 120	Soil Science	3
AG 140	Principles of Plant Science	4
AG 170	Entomology	3
CHEM 100	Introduction to Chemistry	4
CIS 101	Introduction to Information Systems	3

II. Acceptable Courses (select a minimum of 9 units)

AG 138	Computer Applications in Agriculture	3
AG 160	Food and Fiber in a Changing World	3
AG 220	Irrigation and Drainage	3
AG 230	Fertilizers and Soil Amendments	3
AG 240	Field and Cereal Crops	4
AG 250	Vegetable Crops	3

**ALCOHOL AND DRUG STUDIES
(MAJOR CODE: 0415)**

Imperial Valley College is an accredited CAADE (California Association for Alcohol/Drug Educators) program. The Alcohol and Drug Studies major and certificate meet state requirements. Students completing these programs can take the CATC examination and obtain the California Addiction Treatment Counselor Credential. This credential will help students obtain jobs in social service agencies, treatment programs, recovery homes, schools, DEA, and law enforcement. This program prepares student for transfer to institutions providing higher degrees with the social service majors.

Thirty-six (36) units required for the major

I. Required courses for the major (27 units)

ADS 101	Alcoholism: Intervention, Treatment, & Recovery	3
ADS 110	Physiological Effects of Alcohol & Drugs	3
ADS/PSY 120	Intro to Counseling	3
ADS/PSY 130	Group Leadership & Group Process	3
ADS 200	Family Counseling Approach to Alcohol & Drug Abuse	3
ADS/PSY 210	Crisis Intervention & Referral Techniques	3
ADS/PSY 220	Practicum	3
ADS/PSY 221	Practicum	3
ADS 230	Alcohol & Drug Prevention & Education	3

II. Maximum of three (3) units selected from:

ADS 176	Sex and Gambling Addiction	1
ADS 177	Anger Management	1
ADS 178	Life Skills	1

Additional Courses will be added to this section - see class schedule!

III. Minimum of six (6) units selected from:

ADS/SOC 150	Sociology of Minority Groups	3
PSY 101	General Psychology	3

PSY 144	The Psychology of Interpersonal Relationships	3
PSY 204	Develop Psych: Concept to Death	3
PSY 208	Abnormal Psychology	3
SW 220	Introduction to Social Work	3
SOC 101	Introduction to Sociology	3

**ANTHROPOLOGY
(MAJOR CODE: 0101)**

Twenty-seven (27) units required for the major

I. Required courses for the major

ANTH 100	Physical Anthropology	3
ANTH 102	Cultural Anthropology	3
ANTH 104	California Indians	3
ANTH 110	Intro to Archaeological Site Surveying	3
ANTH 112	Intro to Archaeological Excavations	3
GEOG 100	Physical Geography	3

II. Acceptable courses for the major (minimum of 9 units required from the following courses)

ANTH 106	Indians of North America	3
ANTH 108	Indians of the Southwest	3
ANTH 210	Advanced Archaeological Survey	3
ANTH 212	Advanced Archaeological Excavations	3

**ART
(MAJOR CODE: 0509)**

Twenty-four (24) units required for the major

I. Required courses for the major

ART 100	History and Appreciation of Art	3
ART 102	History and Appreciation of Art	3
ART 110	Design	3
ART 120	Drawing	3
ART 122	Drawing	3

II. Acceptable courses for the major

(select a minimum of 9 units from the following courses)

ART 104	History and Appreciation of Modern Art	3
ART 106	Women Artists	3
ART 112	Design	3
ART 124	Painting	3
ART 126	Painting	3
ART 128	Watercolor Painting	3
ART 130	Life Drawing	3
ART 140	Ceramics	3
ART 150	Sculpture-Beginning	3
ART 160	Graphic Design	3
ART 262	Gallery Display	3
ART 282	Art Fund for Educators	3

Should be taken first semester, if possible, to allow for sequence of ART 122 (formerly ART 20B), ART 124 (formerly ART 21A), and ART 130 (formerly ART 25A).

AUTOMOTIVE COLLISION REPAIR
(MAJOR CODE: 1000)

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Thirty-one (31) units required for the major

I. Required courses for the major

AU B 120	Automotive Collision Repairs	5
AU B 140	Frame/Undercarriage Repair	5
AU B 220	Estimating and Collision Repair	5
AU B 240	Custom Refinishing and Shop Mgt	3
AU T 125	Automotive Brakes	4
AU T 155	Suspension and Wheel Alignment	4
WELD 130	Welding Technology	5

II. Acceptable courses for the major (4 units from the following list may be accepted as major credit if the equivalent of AU B 120 has been completed in high school (two years of high school auto body).

AU T 110	Engine Technology or equivalent	4
WE 201	Cooperative Work Experience	1-4
WE 210	General Work Experience	1-3

AUTOMOTIVE TECHNOLOGY
(MAJOR CODE: 1001)

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Thirty-nine (39) units required for the major

I. Required courses for the major

AU T 110	Engine Technology	4
AU T 125	Automotive Brakes	4
AU T 130	Automotive Electronics I	3
AU T 150	Automatic Electronics II	4
AU T 155	Suspension and Wheel Alignment	4
AU T 160	Engine Performance Tune-Up	3
AU T 170	Engine Diagnosis and Repair	3
AU T 180	Manual Trans and Power Trains	4
AU T 210	Automotive Air Conditioning	3
AU T 220	Mechanical Automatic Transmissions	4
AU T 230	Emissions Control and Computer Systems	3

II. Recommended courses for the major (NOT required)

CIS 100	Computer Literacy	1
OR		
CIS 110	Windows Operating Systems	1
MATH 070	Basic Mathematics	3
WELD 130	Welding Technology	5
WE 201	Employment Readiness Class	1
WE 220	Internship	1-4

BEHAVIORAL SCIENCE
(MAJOR CODE: 0889)

The requirement for a major in Behavioral Science may be satisfied by taking 18 units from the following list. Three units in each discipline are recommended. No more than 12 units may be taken in any discipline.

I. Required courses for the major

Anthropology

ANTH 100	Physical Anthropology	3
ANTH 102	Cultural Anthropology	3

Psychology

CFCS/DSPS 240	Understanding Exceptional Students	3
MATH 120	Introductory Statistics with Applications	3
PSY 101	Introduction to Psychology	3
PSY/CFCS 106	Developmental Psychology of Children	3
PSY/ADS 120	Introduction to Counseling	3
PSY 142	Psychology of Adjustment	3
PSY 144	The Psychology of Interpersonal Relationships	3
PSY 146	Psychology of Human Sexuality	3
PSY 200	Biological Psychology	3
PSY 202	Learning	3
PSY 204	Developmental Psychology: Conception to Death	3
PSY/SOC 206	Social Psychology	3
PSY 208	Abnormal Psychology	3
PSY 212	Research Methods in Psychology	3
PSY/ADS 220		
OR		
PSY/ADS 221	Practicum	3

Sociology

SOC 101	Introductory Sociology	3
SOC 102	Contemp Social Problems	3
SOC 110	Marriage and the Family	3
SOC/AJ124	Criminology	3
SOC/ADS 150	Sociology of Minority Groups	3
SOC/PSY 206	Social Psychology	3

II. Recommended as electives (do NOT fulfill major requirements)

BIOL 100	Prin of Biological Science	4
BIOL 122	General Zoology II	4
CFCS 104	Early Child Social: Children, Family, and Community	3
CFCS 260	Principles of Parenting	3

Transfer students planning to major in these disciplines should take the IVC General Major and complete requirements listed in the catalog of the school to which they anticipate transferring.

**BUSINESS ACCOUNTING TECHNICIAN
(MAJOR CODE: 0206)**

This program provides student with entry level competencies for employment as a bookkeeper or other financial clerk who keeps track of money. Accounting technicians can be found in settings as varied as banks, offices, and casinos. It helps to be someone who likes working with numbers, computers, and details as well as interacting with customers and co-workers.

This program is designed to lead to employment. Although a majority of classes are transferable, it is not designed to transfer to a four-year institution.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER.

Twenty-six (26) units required for the major

I. Required courses for the major

BUS 164	Office Tech & Procedures I	3
BUS 167	Machine Calculation	1
BUS 169	Records Management	2
BUS 172	Office Tech & Procedures II.....	3
BUS 210 **	Principles of Financial Accounting	4
CIS 101	Intro to Information Systems	3
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
WE 201 *	Employment Readiness	1
WE 220 *	Internship	1

* It is recommended that the work experience courses be taken after the completion of at least 12 units in the certificate.

** It is recommended that BUS 010 be taken as preparation for BUS 210.

II. Acceptable courses for the major (select three units)

BUS 010	Practical Accounting	3
BUS 061	Business English	3
BUS 124	Intro to Business	3
BUS 220	Prin of Managerial Accounting	4

III. Required skill level for the major

Keyboarding skill level 40 nwpm. (BUS 156 [Formerly BUS 25AC], KeyboardingSpeed & Accuracy, may be helpful in obtaining this speed level.)

**BUSINESS ADMINISTRATION
(MAJOR CODE: 0214)**

Provides a program to prepare students for transfer. Since requirements vary at each four-year school, transfer students should consult with a counselor to develop a program for the specific school they wish to attend.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty units (20) required for the major

I. Required courses for the major .

BUS 126	Bus & the Legal Environment	3
BUS 210	Prin of Financial Accounting	4
BUS 220	Prin of Managerial Accounting	4
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3

II. Acceptable courses for the major (select a minimum of one course)

BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 108	Computer Accounting	3
MATH 120	Introductory Statistics with Applications.	3
MATH 122	Finite Mathematics	4
MATH 170	Introductory Calculus with Applications	4

**BUSINESS ADMINISTRATIVE ASSISTANT
(MAJOR CODE: 0207)**

This program provides student with the education and training needed to quality for jobs that require a higher level of education and work experience in an office setting. These individuals provide administrative support to an individual or an office. Job duties may include providing, directing, and coordinating administrative services. It helps to be someone at ease communicating and at ease with computers. You'll also need to work independently, stay organized, and take initiative.

In this program, Office Administration and Business Administration courses are combined to provide students with the opportunity for transfer into a Business program at a four-year school by taking a minimal number of additional courses.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-seven (27) units and skill level required for the major

I. Required courses for the major

BUS126	Business and the Legal Environment	3
BUS 136	Human Relations in Management	3
BUS 167	Machine Calculation	1
BUS 172	Office Tech & Procedures II	3
BUS 176	Office Transcription	1
BUS 180	Microsoft Office for the Workplace	4
BUS 210 **	Principles of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
WE 201 *	Employment Readiness	1
WE 220 *	Internship	1

*It is recommended that the work experience courses be taken after completion of at least 12 units in the major.

** It is recommended that BUS 010 be taken as preparation for BUS 210.

II. Required skill level for the major

Keyboarding skill level 50 nwpm. (BUS 156 (formerly BUS 25AC), Keyboarding Speed & Accuracy may be helpful in obtaining this speed level.)

**BUSINESS FINANCIAL SERVICES
(MAJOR CODE: 0220)**

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-six (26) units required for the major

I. Required courses for the major

BUS 124	Introduction of Business	3
BUS 126	Bus & the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 210	Prin of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1
ECON 102	Intro to Macroeconomics	3

II. Acceptable courses for the major

(minimum of three units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials of Workplace Communication	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
*CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
WE 201	Employment Readiness	3
WE 220	Internship	1

* Highly recommended for this major

**BUSINESS MANAGEMENT
(MAJOR CODE: 0216)**

Students who intend to pursue a four-year Business Degree should follow the Business Administration Major

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-six (26) units required for the major

I. Required courses for the major

BUS 126	Bus & the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 210	Prin of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1

II. Acceptable courses for the major

(minimum of nine units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials in Workplace Communication	3
BUS 124	Intro to Business	3
BUS 134	Management Concepts of Supervision	3
BUS 136	Human Relations in Management	3

BUS 140	Business Retailing	3
BUS 142	Practical Salesmanship	3
BUS 144	Principles of Marketing	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
WE 201	Employment Readiness	1
WE 220	Internship	1

**BUSINESS MARKETING
(MAJOR CODE: 0223)**

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-nine (29) units required for the major

I. Required courses for the major

BUS 126	Business and the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 144	Principles of Marketing	3
BUS 210	Principles of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1

II. Acceptable courses for the major

(minimum of nine units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials in Workplace Communication	3
BUS 124	Intro to Business	3
BUS 134	Management Concepts of Supervision	3
BUS 136	Human Relations in Management	3
BUS 140	Business Retailing	3
BUS 142	Practical Salesmanship	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3
WE 201	Employment Readiness	1
WE 220	Internship	1

*It is recommended that the work experience courses be taken after completion of at least 12 units in the major.

** It is recommended that BUS 010 (formerly BUS 10) be taken in preparation for BUS 210 (formerly BUS 1A).

**BUSINESS OFFICE TECHNICIAN
(MAJOR CODE: 0209)**

This program provides students with entry level competencies for employment in an office. It helps to be a good team player who pays attention to detail. You'll thrive if you are adaptable and versatile and able to perform various tasks as needed. Interpersonal and analytical skills will not only help you do well in your job but also help you advance to higher positions.

This program is designed to lead to employment or lead into the Administrative Assistant program. Although a majority of classes are transferable, it is not designed to transfer to a four-year insitution.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-eight (28) units and skill level required for the major.

I. Required courses for the major

ENGL 060	Practical English for the Workplace	3
BUS 060	Essential in Workplace Communication	3
BUS 061	Business English	3
BUS 164	Office Tech & Procedures I	3
BUS 167	Machine Calculation	1
BUS 169	Records Management	2
BUS 172	Office Tech & Procedures II	3
BUS 176	Office Transcription	1
BUS 180	Microsoft Office for the Workplace	4
BUS 260	Business Communications	3
WE 201 *	Employment Readiness	1
WE 220 *	Internship	1

*It is recommended that the work experience courses be taken after completion of at least 12 units in the major.

NOTE: ENGL 060 is recommended before BUS 060.

NOTE: BUS 060 is recommended before BUS 061.

II. Required skill level for the major

Keyboarding skill level 40 nwpm. (BUS 156 (formerly BUS 25AC), Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)

**COMMUNICATION ARTS
(MAJOR CODE: 0520)**

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Twenty-seven (27) units required for the major

I. Required courses for this major

SPCH 100	Oral Communications	3
SPCH 110	Public Speaking	3
SPCH 180	Argumentation and Debate	3
JRN 100	Introduction to Journalism	3
JRN 102	Newspaper Production	3
THEA 100	Introduction to Theatre	3

THEA 120	Fundamentals of Acting	3
ENGL 201	Advanced Composition	3
PSY 144	Psych. of Interpersonal Relationships	3

**COMPUTER INFORMATION SYSTEMS
(MAJOR CODE: 0215)**

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

Twenty (20) units required for the major

I. Required courses for the major

BUS 210	Prin of Financial Accounting	4
CIS 101	Intro to Information Systems	3

Select six (6) programming units

CIS 202	Programming in Visual Basic	3
CIS 204	Programming in C	3
CIS 208	Programming in JAVA	3
MATH 130	Programming in Fortran	3

II. Select at least seven (7) elective units

(programming courses taken above may not be used to satisfy this requirement):

CIS 102	Computer Applications Lab-1 Unit Max	1
CIS 104	Intro to Telecommunications	3
CIS 106	PC Maintenance & Repair	3
CIS 107	Computer Networking	3
CIS 108	Computer Accounting	3
CIS 110	Windows Operating System	1
CIS 121	Microsoft Word II	1
CIS 125	Excel II	1
CIS 128	Access	1
CIS 130	Power Point I	1
CIS 132	Front Page I	1
CIS 202	Programming in Visual Basic	3
CIS 204	Programming in C	3
CIS 208	Programming in JAVA	3
MATH 130	Programming in Fortan	3
WE 201	Employment Readiness Class	1
WE 220	Internship	1-4



**CORRECTIONAL SCIENCE
(MAJOR CODE: 0104)**

Twenty-four (24) units required for the major

ALL COURSES TAKEN MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

I. Required courses for the major

CSI 100	Intro to Corrections	3
CSI/AJ 102	Concepts of Criminal Law	3
CSI 106	Correctional Interviewing & Counseling	3
CSI 108	Control & Supervision of Inmates	3
CSI/AJ 120	Public Safety Communications	3

II. Select nine (9) units from the following courses

AJ 080	Security Guard (Arrest)	0.5
AJ 100	Intro to Admin of Justice	3
AJ 110	Police Community Relations	3
AJ 122	Criminal Investigation	3
AJ 123	Juvenile Control	3
AJ 141	Arrest & Firearms	3.5
CSI 104	Concepts of Probation & Parole	3

III. Recommended courses (do NOT fulfill major requirements).

ENGL 101, PSY 101, SPAN, CIS 101, PE 100 or PE 101, SPCH 100.

**CHILD, FAMILY AND
CONSUMER SCIENCES PROGRAMS**

The Early Childhood major is designed for students who are interested in working with young children as preschool teachers, daycare providers, and other child development careers in early childhood.

The Early Childhood Education major provides students with a background of knowledge and skills in child growth and development. This major meets the requirements for the Child Development Permit Matrix: Teacher Permit, requiring 24 units in early childhood and 16 general education units.

**EARLY CHILDHOOD EDUCATION
(MAJOR CODE: 0105)**

ALL COURSES TAKEN MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

A minimum of twenty-four (24) units is required for the major.

I. Required courses for the major

CFCS 100	Introduction to Early Childhood	2
CFCS 101	Health, Safety & Nutrition for Teachers of Young Children	2
CFCS/HT 102	First Aid & CPR for Teachers of Young Children	1
CFCS 104	Early Childhood Socialization: Children, Family and Community	3
CFCS/PSY106	Developmental Psychology of Children	3
CFCS 108	Advanced Developmental Psychology & Observation	3
CFCS 110	Early Childhood Curriculum I	3
CFCS 200	Field Experience	3

II. Select four (4) to five (5) units from the following

CFCS 112	Language and Literature for Early Childhood ..	2
CFCS 114	Art for Young Children	2
CFCS 116	Science and Math for Early Childhood	2
CFCS 118	Music and Math for Early Childhood	2
CFCS 262	Multilingual & Multicultural Curriculum for Young Children	3

III. Recommended General Education courses

ENGL 101	Reading & Composition	3
ENGL 201	Advanced Composition	3
SPCH 100	Oral Communication	3
MATH 120	Intro to Statistics w/Applications	3

PLEASE SEE A COUNSELOR FOR ASSISTANCE WITH THIS PROGRAM OF STUDY

**EMERGENCY MEDICAL SERVICES
(MAJOR CODE: 0410)**

Successful completion of application process. Acceptance into program by EMT Training Coordinator and EMT Training Medical Director. Contact Nursing Division for specifics.

Forty-three and one-half (43.5) units required for the major

ALL COURSES TAKEN MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

I. Required courses for the major

EMTP 200	EMT - Paramedic Didactic 1	9
EMTP 210	EMT - Paramedic Didactic 2	9
EMTP 215	EMT - Paramedic Didactic 3	5
EMTP 225	EMT - Paramedic Clinical 1	3.5
EMTP 235	EMT - Paramedic Field 1	6.5
EMTP 245	EMT - Paramedic Field 2	4.5
BUS 134	Mgt Concepts & Supervision	3
BUS 136	Human Relations in Management	3

**ENGLISH
(MAJOR CODE: 0510)**

Eighteen (18) units required for the major

I. Required courses for the major

ENGL 101	Reading & Composition	3
ENGL 102	Introduction to Literature	3
ENGL 201	Advanced Composition	3

Select One Sequence

ENGL 220-221	Survey of American Literature I-II	3-3
ENGL 222-223	Survey of World Literature	3-3
ENGL 224-225	Survey of English Literature	3-3

II. Acceptable courses for the major

(3 units from the following courses)		
ENGL 220*	Survey of American Literature I	3
ENGL 221*	Survey of American Literature II	3
ENGL 222*	Survey of World Literature	3
ENGL 223*	Survey of World Literature	3
ENGL 224*	Survey of English Literature	3
ENGL 225*	Survey of English Literature	3
ENGL 228	Introduction to the Bible as Literature	3
ENGL/HUM 230	Introduction to Film Hist & Criticism	3
ENGL 250	Creative Writing	3
ENGL 260	The Mexican American in Lit	3
ENGL 270	Intro to Linguistics	3

*ENGL 220 or 221 or 222 or 223 or 224 or 225 (formerly ENGL 41A or 41B or 42A or 42B or 43A or 43B) if not used for required courses under I above.

**FIRE TECHNOLOGY
(MAJOR CODE: 1003)**

Twenty-nine and one-half (29.5) units required for the major

I. Required courses for the major

FIRE 100	Fire Protection Organization	3
FIRE 101	Fire Prevention Technology	3
FIRE 102	Fire Protec Equip & Systems	3
FIRE 103	Building Construction for Fire Protection	3
FIRE 104	Fire Behavior and Combustion	3
FIRE/EMT105		
	Emergency Medical Technician I	7.5
CIS 101	Intro to Information Systems	3

II. Select 4 units from the following acceptable courses for the major

AJ/CSI 120	Report Writing for Admin of Just	3
FIRE110	Intro to Fire Technology	3
FIRE 111	Streams, Nozzles, Hose & Appliance	2.5
FIRE 112	Ground Entry & Rescue	2.5
FIRE 113	Ventilation & Fire Control	2
FIRE 114	Basic Fire Technology - Advanced	3.5
FIRE 116	Fire Hydraulics	2
FIRE 120	Haz Materials For the 1st Responder	3
FIRE 200**	Driver/Operator - Driver	2
FIRE 201**	Driver/Operator - Pumping	2
FIRE 202**	Fire Investigation 1A	2
FIRE 203**	Fire Investigation 1B	2
FIRE 205**	Fire Prevention 1A	2
FIRE 206**	Fire Prevention 1B	2
FIRE 207**	Fire Instructor Training 1A	2
FIRE 208**	Fire Instructor Training 1B	2
FIRE 209**	Fire Command 1A	2
FIRE 210**	Fire Command 1B	2

*Recommended

**200 courses for personnel already employed in Fire Technology or for students who have completed at least 12 units at the 100 level.

**FRENCH
(MAJOR CODE: 0666)**

Twenty-one (21) units required for the major

I. Required courses for the major

FREN 100	Elementary French	5
FREN 110	Elementary French	5
FREN 200	Intermediate French	4
FREN 210	Intermediate French	4

II. Acceptable courses for the major

(select a minimum of one course from the following courses)

FREN 220	Inter French Read & Writ	3
FREN 230	Inter Conversational French	3
FREN 232	Inter Conversational French	3

**GENERAL MAJOR
(MAJOR CODE: 0222)**

Minimum 18 units required for the major.

A General Major is used for a student at Imperial Valley College who plans to transfer to a specific four year college with a specific major. A General Major is appropriate when no Imperial Valley College major exists that matches the preparation for the major requirements of the transfer institution.

A General Major will be developed between a counselor and a student to meet preparation requirements for a specific major at a selected college.

Another IVC major to consider if there is less than 18 units required at the four year college for preparation for the major requirements is TRANSFER STUDIES.

PLEASE SEE A COUNSELOR FOR ASSISTANCE

**GENERAL SCIENCE
(MAJOR CODE: 0709)**

Minimum 18 units required for the major

The most reliable guide for appropriate course combinations in this major will be the catalog from the specific college to which the student will transfer.

I. Required Courses for the major - Select one

ANTH 100	Physical Anthropology	3
BIOL 100	Prin of Biological Science	3

II. Select one (1) course from the following:

ASTR 100	Principles of Astronomy	3
ENVS/AG 110	Environmental Science	3
GEOG 100	Physical Geography	3
GEOL 100	General Geology	4
PHSC 110	Physical Science	3

III. Select remaining courses from the following to reach 18 units

BIOL 120	General Zoology I	4
BIOL 122	General Zoology II	4
BIOL 200	Human Anatomy and Physiology I	4
BIOL 202	Human Anatomy and Physiology II	4
BIOL 204	Human Anatomy	4
BIOL 206	Human Physiology	4
BIOL 220	General Microbiology	5
CHEM 200	General Inorganic Chemistry I	5
CHEM 202	General Inorganic Chemistry II	5
CHEM 204	Organic Chemistry I	5
GEOL 110	Earth and Space Science	3
MATH 190	Pre Calculus	5
MATH 192	Calculus I (was Math 3A)	5
MATH 194	Calculus II (was Math 3B)	5
MATH 210	Calculus III (was Math 4)	5
PHYS 200	Principles of Physics I	5
PHYS 202	Principles of Physics II	5
PHYS 204	Principles of Physics III	5

HISTORY
(MAJOR CODE: _____)
(PENDING CHANCELLOR APPROVAL)

The Associate in Arts degree in history prepares students to transfer to four-year institutions for continued study in the fields of history or other social sciences. This degree program fulfills the lower division requirements for those intending to major in history at San Diego State University and is typical of requirements at other four-year schools. For specific requirements, transfer students should consult the catalog of the college or university of their choice.

A history major provides useful background for students in such fields as history, education, political science, and law.

Twenty-four (24) units required for the major.

I. Core Requirement - 12 Units

HIST 100	Early World History	3
HIST 101	Modern World History	3
HIST 120	United States History	3
HIST 121	United States History	3

II. Electives - Select nine (9) units from:

HIST 110	Early Western Civilization	3
HIST 111	Modern Western Civilization	3
HIST 122	History of the Imperial Valley	3
HIST 130	Early Latin America	3
HIST 131	Modern Latin America	3
HIST 132	History of Mexico	3
HIST 140	East Asian History	3
HIST 150	Survey of African History	3
HIST 160	Middle Eastern from 600	3
HIST 220	Women in American History	3
HIST 222	History of California	3
HIST 223	History of the American West	3
HIST 226	Mexican American History, 1821-1930	3
HIST 227	Mexican American History Since 1930	3

III. Capstone - Three (3) units:

HIST 280	Research Topics in History	3
----------	----------------------------------	---

HUMANITIES
(MAJOR CODE: 1111)

Twenty-four (24) units required for the major

I. Required Course for the major

HUM 100	Intro to the Humanities	3
---------	-------------------------------	---

II. Must select six units (6) from the following

ART 100	History & Appreciation of Art I	3
ART 102	History & Appreciation of Art II	3
ART 104	History & Appreciation of Modern Art	3
ART 106	Women Artists	3
MUS 200	History & Literature of Music I	3
MUS 202	History & Literature of Music II	3

III. Must select six units (6) from the following

ART 100	History & Appreciation of Art I	3
ART 102	History & Appreciation of Art II	3
ART 104	History & Appreciation of Modern Art	3
ART 106	Women Artists	3
ART 110	Design	3
ART 120	Drawing	3
ART 130	Life Drawing	3
ART 140	Ceramics	3
ART 228	Exploration of Paint Tech	2
ART 262	Gallery Display	3
MUS 100	Intro to Music Foundations	3
MUS 102	Intro to Music Lit & Listening	3
MUS 104	Intro to 20th Century Music	3
MUS 106	History & Literature of Music	3
MUS 110	Beginning Musicianship	2
MUS 120	Beginning Harmony	3
MUS 154	Chamber Singers	1
MUS 156	College-Community Chorus	1
MUS 171	Chamber Orchestra	1
MUS 175	Instrumental Ensemble	1
MUS 172	Community Band	1
MUS 178	Symphony Orchestra	1
PE 114	Dance Theater, Coed	2
PE/HUM 212	The Hist & Apprec of Dance	3

IV. Must select three units (3) from the following

PHIL 100	Intro to Philosophy I	3
PHIL 102	Intro to Philosophy II	3
PHIL 108	Religions of the Modern World	3

V. Must select six units (6) from the following

AMSL 100	American Sign Language 1	4
AMSL 102	American Sign Language 2	4
ENGL 102	Intro to Literature	3
ENGL 222	Survey of World Literature	3
ENGL 223	Survey of World Literature	3
ENGL 250	Creative Writing	3
ENGL/SPAN 260	The Mexican American in Literature	3
FREN 100	Elementary French I	5
FREN 110	Elementary French II	5
MUS 176	Rehearsal & Performance	1
SPAN 100	Elementary Spanish I	5
SPAN 110	Elementary Spanish II	5
SPAN 220	Bilingual Spanish I	5
SPAN 221	Bilingual Spanish II	5
SPCH 100	Oral Communication	3

The requirements for the major will be met by satisfactory completion of 9 (or more) units in each discipline.

The courses required will be approved by division chairpersons, a counselor, and the Dean of Applied Sciences. The courses approved will be from courses already established. The student will initiate the request for the major through the Counseling Office.

**HUMAN RELATIONS
(MAJOR CODE: 1106)**

Areas of emphasis: Community Mental Health Worker, Counseling, School, Social Services Personnel, Employment Counseling, and Supervision.

Twenty-four units required for the major

I. Required courses for the major

PSY 101	Intro to Psychology	3
PSY 142	Psych of Adjustment	3
PSY/ADS 120	Intro to Counseling	3
PSY/ADS 220 OR 221	Practicum	3
SOC 101	Introductory Sociology	3

II. With the approval of his/her counselor and the Division Chairperson, the student will select a minimum of 9 units (depending on areas of emphasis) from the following courses. It is considered advisable for students in certain areas of emphasis to take more than 9 units from the list below.

ANTH 102	Cultural Anthropology	3
BUS 134	Mgmt Concepts of Supervision	3
BUS 136	Human Relations in Mgmt	3
CFCS 260	Principles of Parenting (Was ECE 26)	3
CIS 101	Intro to Information Systems	3
PD 100	Personal & Career Development	3
MATH 120	Intro Statistics w/Appl (Was Math 12)	3
PSY/CFCS 106	Develop Psych of Children (Was ECE 20)	3
PSY 144	The Psych of Interpersonal Relationships	3
PSY 200	Biological Psychology	3
PSY 202	Learning	3
PSY 204	Dev Psych: Conception to Death	3
PSY/SOC 206	Social Psychology	3
PSY 208	Abnormal Psychology	3
PSY/ADS 210	Crisis Intervention & Referral Tech	3
SOC 102	Contemp Social Problems	3
SOC110	Marriage & the Family	3
SOC 150	Sociology of Minority Groups	3

**INTERDISCIPLINARY MAJOR
(MAJOR CODE: 0315)**

This major for an Associate Degree provides occupational-oriented students with an area of concentration within two disciplines to meet a specific job need.

The requirements for the major will be met by satisfactory completion of 9 (or more) units in each discipline.

The courses required will be approved by division chairpersons, a counselor, and the Dean of Applied Sciences. The courses approved will be from courses already established. The student will initiate the request for the major through the Counseling Office.

**JOURNALISM
(MAJOR CODE: 0515)**

Twenty-one (21) units required for the major

I. Required courses for the major

JRN 100	Introduction to Journalism	3
JRN 102	Newspaper Production	3
JRN 104	Career Journalism	3

II. Acceptable courses for the major

(minimum of 12 units from the following courses)

BUS 154	Keyboarding & Doc Formatting	3
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3
ENGL 102	Intro to Literature	3
ENGL/HUM 230	Intro to Film Hist & Criticism	3
ENGL 250	Creative Writing	3
JRN 106	Photojournalism.....	3
POLS 100	Intro to Political Science	3
POLS 102	Amer Government & Politics	3
SOC 101	Introductory Sociology	3
SOC 102	Contemporary Social Problems	3
SPCH 100	Oral Communication	3

**LEGAL ASSISTANT
(MAJOR CODE: 0201)**

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-four (24) units required for the major

I. Required courses for the major

AJ/CSI 106	Concepts of Criminal Law	3
BUS 126	Bus & the Legal Environment	3
LEGAL 121	Legal Research	3
LEGAL 122	Civil Procedures & Family Law	3
LEGAL 123	Civil Discovery & Torts	3
LEGAL 124	Corporations & Bankruptcy	3
LEGAL 125	Real Estate Law for Legal Assistants	3
LEGAL 126	Wills,Trusts, Probate and Estate Admin	3

**LIBERAL STUDIES
(MAJOR CODE: 0517)**

The Liberal Studies Major will provide an educational experience which prepares students to think critically, write clearly and effectively, analyze evidence, and appreciate the differences between subject areas. Students who complete the major should find opportunities in a variety of careers

ATTENTION!

If you are planning to transfer to a university, please see a counselor and work with the catalog or ASSIST website (www.assist.org) for specific transfer requirements.

ALL REQUIRED COURSES MUST BE COMPLETED WITH A GRADE OF "C" OR HIGHER.

I. Required courses for the degree

A. English Communication and Critical Thinking (6 + 6.5 units)

SPCH 100 Oral Communication 3

Select one course from (minimum 3.0 units)

ENGL 111 Reading IV: Analytical and Critical Reading .. 3.5
 ENGL 201 Advanced Composition 3
 PHIL 106 Logic 3
 SPCH 180 Argumentation and Debate 3

B. Science and Mathematics (6-7 units)

BIOL 100 Principles of Biological Science 4

OR

GEOL 110 Earth and Space Science 3

AND

MATH 110 Number Sys in Elem Math 3

C. Arts and Humanities (3 units)

HIST 100 Early World History 3

OR

MUS 100 Intro to Music Foundations 3

D. Social, Political, and Economic Institutions (3 units)

HIST 120 United States to 1877 3

E. Lifelong Understanding and Self Development (6 units)

PSY 101 Intro to Psychology 3

AND

CFCS/PSY106 Developmental Psychology of Children 3

**LIBRARY TECHNICIAN
(MAJOR CODE: 0310)**

ALL REQUIRED COURSES MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Twenty-four (24) units is required for the major

I. Required courses for the major

BUS 136 Human Relations in Management 3
 CIS 101 Introduction to Information Systems 3
 LBRY 151 Introduction to Library Services 3
 LBRY 152 Library Technical Services 3
 LBRY 153 Library Public Services 3
 LBRY 154 Introduction to Media Services 3
 LBRY 155 Introduction to Cataloging & Classification 3
 LBRY 156 Information and Reference Services 3

II. Suggested Additional Courses

WE 201 Employment Readiness 1
 WE 220 Internship 1-4

**LIFE SCIENCE
(MAJOR CODE: 0710)**

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

Twenty-four (24) units required for the major

AREA I-Select a minimum of 18 units from the following

ANTH 100 Physical Anthropology 3
 BIOL 100 Prin of Biological Science 4
 BIOL 120 General Zoology I 4
 BIOL 122 General Zoology II 4
 BIOL 150 Human Genetics 3
 BIOL 180 General Biology: Molecules, Cells, and Genetics 4
 BIOL 182 General Biology: Principles of Organismal Biology 4
 BIOL 200 Human Anatomy and Physiology I 4
 BIOL 202 Human Anatomy and Physiology II 4
 BIOL 204 Human Anatomy 4
 BIOL 206 Human Physiology 4
 BIOL 220 General Microbiology 5

AREA II-Select a maximum of 6 units from the following

ENVS/AG 110 Environmental Science 3
 CHEM 100 Introduction to Chemistry 4
 CHEM 200 General Inorganic Chemistry I 5
 CHEM 202 General Inorganic Chemistry II 5
 CHEM 204 Organic Chemistry I 5
 GEOL 100 General Geology 4
 GEOL 110 Earth & Space Science 3
 MATH 120 Introductory Statistics with Applications 3

**MATHEMATICS
(MAJOR CODE: 0602)**

Twenty-seven (27) units required for the major

I. Fifteen units (15)

MATH 192 Calculus I 5
 MATH 194 Calculus II 5
 MATH 210 Calculus III 5

II. Three units (3)

MATH 220 Elem Differential Equations 3
 MATH 230 Intro to Linear Algebra w/Applications 3

III. Nine units selected from (no duplicates from the previous category)

CIS 204 Programming in C 3
 MATH 120 Introductory Statistics w/ Applications 3
 MATH 130 Programming in Fortran 3
 MATH 220 Elementary Differential Equations 3
 MATH 230 Introduction to Linear Algebra w/App 3
 MATH 240 Discrete Mathematics 3
 PHYS 200 Principles of Physics I 5
 PHYS 202 Principles of Physics II 5
 PHYS 204 Principles of Physics III 5

**MUSIC
(MAJOR CODE: 0516)**

Twenty-nine (29) units required for the major

I. Required courses for the major (minimum of 25 units from the following courses)

a. Academic courses (minimum of 20 units from the following courses)

MUS 110	Beginning Musicianship I	2
MUS 112	Beginning Musicianship II	2
MUS 120	Beginning Harmony I	3
MUS 122	Beginning Harmony II	3
MUS 210	Intermediate Musicianship I	2
MUS 212	Intermediate Musicianship II	2
MUS 220	Intermediate Harmony I	3
MUS 222	Intermediate Harmony II	3

Note: Music 110 and 120 must be taken concurrently and the sequence followed through MUS 212 and 222.

b. Applied Music (minimum of 5 units from the following courses) (Requirement may be waived through proficiency examination.)

MUS 140	Beginning Group Piano I	1
MUS 179	Applied Music	1

c. Performance Ensembles (minimum of 4 units from the following courses)

MUS 154	Chamber Singers	1
MUS 156	College-Community Chorus	1
MUS 171	Chamber Orchestra	1
MUS 173	Concert Band	1
MUS 178	Symphony Orchestra	1

Note: All music majors are required to perform in at least one of the above college music organizations every semester enrolled.

II. Recommended as electives (do NOT fulfill major requirements)

MUS 104	Intro to 20th Century Music	3
MUS 142	Beginning Group Piano II	1
MUS 150	Beginning Voice I	1
MUS 152	Beginning Voice II	1
MUS 160	Beginning Guitar I	1
MUS 162	Intermediate Guitar II	1
MUS 172	College-Community Band	1
MUS 174	Estudiantina	1
MUS 175	Instrumental Ensemble	1
MUS 176	Rehearsal and Performance	1
MUS 177	Stage Band	1
MUS 200	History & Literature of Music I	3
MUS 202	History & Literature of Music II	3
MUS 240	Intermediate Group Piano I	1
MUS 242	Intermediate Group Piano II	1
MUS 250	Intermediate Voice I	1

**NURSING-ASSOCIATE DEGREE (R.N)
(MAJOR CODE: 0402)**

ALL COURSES TAKEN FOR THE MAJOR MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER. Specific admission criteria may be found on the IVC Website under Nursing Education Division, or in the Nursing Education and Counseling Office.

Pre Application Requirements:

ENGL 101	Reading & Composition	3
BIOL 220	General Microbiology with Lab	5
BIOL 200	Human Anatomy & Physiology I with Lab	4
AND		
BIOL 202	Human Anatomy & Physiology II with Lab	4
OR		
BIOL 204	Human Anatomy with Lab	4
AND		
BIOL 206	Human Physiology with Lab	4

Completion of Admission Assessment with a cut score as determined by the college and the State of California, students who do not score at or above the cut score may be required to complete a remediation process before entering the program.

Math Competency: A placement score of 2006 or higher on the ACCUPLACER College Level Mathematics Test or Math 090 with a grade of "C" or higher or a higher level Math with a grade of "C" or higher.

Reading Competency: A placement score of 3006 on the ACCUPLACER Reading Test or ENGL 089 with a grade of "C" or higher or ENGL 111 with a grade of "C" or higher or a score of 64 or higher on the Degrees of Reading Power (DRP) Test.

Pre-Admission Requirements:

PSY 101

- The Nursing Department recommends that students complete PSY 204 (formerly PSYCH 35). Developmental Psychology: Conception to Death, prior to entering the nursing program. (Students wishing to complete a Bachelor's of Science in Nursing (BSN) may be required to complete such a course).
- Due to new Clinical Agency Requirements students will be required to pass a criminal back ground check and drug screen prior to admission into the program.

PROGRESSION POLICY: All courses must be taken in sequence. Each course within the major must be completed with a "C" or better to progress to the next level. All Skills and Clinical courses must be completed with a "S" or higher to progress to the next level. All supporting courses must be completed in the semester indicated on the major sheet must be completed with a "C" or better prior to progression to the next level of nursing.

Nursing Requirements:

First Semester

NURS 100	Medication Mathematics	1
NURS 110	Nursing Process I	4.5
NURS 111	Nursing Skills Lab I	1.5
NURS 112	Nursing Process Application I (Clinical)	4
NURS 116	Pharmacology	2
SOC 1	Introduction to Sociology	3

OR

ANTH 2	Cultural Anthropology	3
--------	-----------------------------	---

Second Semester

NURS 125	Nursing Process and Application II	8.5
NURS 121	Nursing Skills Lab II	1

Third Semester

NURS 231	Nursing Process and Application III . 8.5 Units	
NURS 211	Nursing Skills Lab III	1
Summer or Winter Session		
NURS 200	Psychiatric Nursing	2.5
NURS 202	Psychiatric Nursing Application (Clinical) 1.5	

Fourth Semester

NURS 241	Nursing Process and Application IV . 8.5	
NURS 221	Nursing Skills Lab IV	1
NURS 230	Nursing Trends	1

Clinical for NURS 202 is completed in San Diego.

Additional Degree Requirements Include:

SPCH1	Oral Communications	3
American Institutions Requirement		3 - 6
Humanities Elective		3
PE 100	Lifetime Exercise Science	2
One Physical Education Activity Course		1

Total Nursing Units	46.5
Total General Education/Support Courses	34 - 37
Total Units for Degree	80 - 84

Nursing Program graduates must submit a transcript demonstrating completion of all course work and graduation prior to sitting for the National Board of Nursing Exam.

Advanced Placement for LVN's

Advanced Placement for LVN's is based on the following requirements:

- **Hold a valid, active LVN License in the state of California**
- Meet all requirements for admission as identified in the College Catalog and the Nursing Education Department Student Handbook/brochure
- Successfully complete NURS 204, Transition Course
- Graduate from an accredited LVN/RN program or Armed services nursing courses equivalent to the LVN level.

Track I, Associate Degree Nursing Curriculum (LVN-RN)

Courses required for the AS Degree must be completed with a grade of "C" or better.

Math Competency: A placement score of 2006 or higher on the ACCUPLACER College Level Mathematics Test or Math 090 with a grade of "C" or higher or a higher level Math with a grade of "C" or higher.

Reading Competency: A placement score of 3006 on the ACCUPLACER Reading Test or ENGL 089 with a grade of "C" or higher or ENGL 111 with a grade of "C" or higher or a score of 64 or higher on the Degrees of Reading Power (DRP) Test.

LVN-RN Track I Curriculum

NURS 204	Nursing Transition	3
----------	--------------------------	---

Third Semester

NURS 231	Nursing Process and Application III	8.5
NURS 211	Nursing Skills Lab III	1
Summer or Winter Session		
NURS 200	Psychiatric Nursing	2.5
NURS 202	Psychiatric Nursing Application (Clinical)	1.5

Fourth Semester

NURS 241	Nursing Process and Application IV	8.5
NURS 221	Nursing Skills Lab IV	1
NURS 230	Nursing Trends	1

NURS 202 clinical is completed in San Diego.

* NOTE Students must meet all General Education Requirements of the College to be eligible for graduation which include oral communications 3 units, American Institutions, 3 - 6 units, Physical Education requirement and demonstration of reading competencies. It is strongly recommended that Advanced Placement students meet with a counselor prior to entering nursing courses.

Track II, 30-Unit Option LVN-RN

Students are eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) as a **NON-DEGREE candidate** only, and if successful, will be licensed as an RN by the California Board of Registered Nursing.

Endorsement of a non-degree RN in other states is questionable. Although Nursing transition is optional, students opting to enroll through this program must complete placement assessments indicating ability to enter at the 3rd semester level. Although not a requirement of this program, it is strongly recommended that students enroll in NURS 221.

30-Unit Track II Curriculum

BIOL 202 or 206 (Human Physiology)	4
BIOL 222 (or BIO 220) (General Microbiology)	4
NURS 204 (Nursing Transition)	3
(Optional but Highly Recommended)	

Third Semester

NURS 231	Nursing Process and Application III	8.5
NURS 211	Nursing Skills Lab III	1
Summer or Winter Session		
NURS 200	Psychiatric Nursing	2.5
NURS 202	Psychiatric Nursing Application (Clinical)	1.5

Fourth Semester

NURS 241	Nursing Process and Application IV	8.5
NURS 221	Nursing Skills Lab IV	1
(Optional but Highly Recommended)		
NURS 230	Nursing Trends	1
(Optional but Highly Recommended)		
Total Units		30

NURS 202 is completed in San Diego.

**NURSING - VOCATIONAL (V.N.)
(MAJOR CODE: 0403)**

ALL COURSES TAKEN FOR THE MAJOR MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Pre-Admission Requirements

ENGL 101	Reading & Composition	3
----------	-----------------------------	---

Pre-Clinical Requirements

AHP 100	Medical Terminology	3
BIOL 090	Anat & Physio for Health Occupations	3
PSY 101	Introduction to Psychology	3

VOCATIONAL NURSING REQUIREMENTS

Semester 1

VN 110	Introduction to Client Care I	5
VN 112	Introduction to Client Care II	5
VN 114	Pharmacology I	1.5
VN 116	Patient Care Management and Critical Thinking	2.5
PSY 204	Developmental Psychology: Conception to Death	3

Semester 2

VN 120	Maternity Cycle	5.5
VN 122	Common Health Problems I	5.5
VN 124	Pharmacology II	2

Semester 3

VN 130	Common Health Problems II	5.5
VN 132	Common Health Problems III	5.5

**PATIENT SERVICES ADMINISTRATION
(MAJOR CODE: 0219)**

Twenty-four (24) units required for the major

- I. Required courses for the major**
 - AHP 100 Medical Terminology 3
 - AHP 102 Medical Insurance 3
 - BIOL 090 Anat & Phys for Health Occupations 3
 - BUS 010 Practical Accounting 3
 - BUS 061 Business English 3
 - BUS 134 Mgmt Concepts & Supervision 3
 - CIS 101 Intro to Information Systems 3
 - CIS 108 Computer Accounting 3

- II. Recommended courses for the major (not required)**
 - BUS 136 Human Relations in Management 3
 - BUS 060 Essential in Workplace Communication 3

OR

 - BUS 260 Business Communications 3

**PHYSICAL EDUCATION
(MAJOR CODE: 0311)**

Nineteen (19) units required for the major

- I. Required courses for the major**
 - HE 100 Health Education 3
 - HE 104 First Aid 3
 - PE 122 Lifeguard Training/Advanced Lifesaving 2
 - PE 210 Intro to Physical Education 2
 - PE 211 PE in the Elementary School 3

- II. Select six (6) units from the following courses**
 - BIOL 204 Human Anatomy 4
 - PE 102 Physical Fitness 1
 - PE 103 Physical Fitness-Women 1
 - PE 112 Basketball - Men 1
 - PE 113 Basketball -Women 1
 - PE 114 Dance Theater 2
 - PE 121 Swimming 1
 - PE 115 Dance-Jazz 1
 - PE 116 Dance-Modern 1
 - PE 117 Golf 1
 - PE 119 Self-defense 1
 - PE 120 Softball 1
 - PE 123 Water Safety Instructor Train 2
 - PE 124 Team Sports 1
 - PE 126 Tennis 1
 - PE 127 Tennis-Advanced 1
 - PE 128 Volleyball 1
 - PE 130 Advanced Physical Exercises 1
 - PE 150 Intercollegiate Baseball & PE 2
 - PE 151 Intercollegiate Basketball & PE 2
 - PE 152 Intercollegiate Soccer & PE 2
 - PE 153 Intercollegiate Softball & PE 2
 - PE 154 Intercollegiate Tennis & PE 2
 - PE 155 Intercollegiate Volleyball & PE 2
 - PE 163 Song & Cheer 2
 - PE 200 Theory of Baseball 2
 - PE 201 Theory of Basketball 2
 - PE 220 Introduction to Athletic Training 2
 - PE 221 Psychology of Coaching 2
 - PE 222 Sports Officiating 3

- PE 224 PE for Special Olympics 3
- PHYSICAL SCIENCE
(MAJOR CODE: 0720)**

Forty (40) units required for the major

- I. Thirty-five (35) units from:**
 - CHEM 200 General Inorganic Chemistry I 5
 - CHEM 202 General Inorganic Chemistry II 5
 - MATH 192 Calculus I 5
 - MATH 194 Calculus II 5
 - PHYS 200 Principles of Physics I 5
 - PHYS 202 Principles of Physics II 5
 - PHYS 204 Principles of Physics III 5

- Five (5) units from**
 - AG/ENVS 110 Environmental Science 3
 - ASTR 100 Principles of Astronomy 3
 - CHEM 204 Organic Chemistry I 5
 - CHEM 206 Organic Chemistry II 5
 - CIS 204 Programing in C 3
 - GEOG 100 Physical Geography 3
 - MATH 120 Introductory Statistics with Applications 3
 - MATH 130 Programming in FORTRAN 3
 - MATH 210 Calculus III 5
 - MATH 220 Elem Differential Equations 3
 - MATH 230 Intro to Linear Algebra with Applications3

**PRE-ENGINEERING
(MAJOR CODE: 0604)**

Forty-three (43) units required for the major

- I. Twenty-five (25) units required from**
 - CHEM 200 General Inorganic Chemistry I 5
 - MATH 192 Calculus I 5
 - MATH 194 Calculus II 5
 - MATH 210 Calculus III 5
 - PHYS 200 Principles of Physics I 5

- II. Three (3) units from**
 - MATH 220 Elem Differential Equations 3
 - MATH 230 Intro to Linear Algebra with Applications 3

- III. Ten (10) units from:**
 - CHEM 202 General Inorganic Chemistry II 5
 - PHYS 202 Principles of Physics II 5
 - PHYS 204 Principles of Physics III 5

- IV. Five (5) units from (no duplicates from previous categories)**
 - CHEM 202 General Inorganic Chemistry II 5
 - CHEM 204 Organic Chemistry I 5
 - CHEM 206 Organic Chemistry II 5
 - CIS 204 Programing in C 3
 - MATH 120 Introductory Statistics with Applications 3
 - MATH 130 Programming in FORTRAN 3
 - MATH 220 Elem Differential Equations 3
 - MATH 230 Intro to Linear Algebra with Applications 3
 - PHYS 202 Principles of Physics II 5
 - PHYS 204 Principles of Physics III 5

**PSYCHOLOGY
(MAJOR CODE: 0103)**

Twenty-one (21) units required for the major

I. Required courses for the major

PSY 101	Intro to Psychology	3
PSY 200	Biological Psychology	3
PSY 202	Learning	3

Minimum of 12 units from any of the following courses

MATH 120	Introductory Statistics with Applications	3
PSY/ADS 120	Intro to Counseling	3
PSY 142	Psy of Adjustment	3
PSY 144	The Psy of Interpersonal Relationships	3
PSY 146	Psych of Human Sexuality	3
PSY 204	Developmental Psychology	3
PSY/SOC 206	Social Psychology	3
PSY 208	Abnormal Psychology	3
PSY 212	Research Methods in Psychology	3
PSY/ ADS 220 OR 221	Practicum	3

**REHABILITATION TECHNICIAN FOR
THE PHYSICALLY LIMITED
(MAJOR CODE: 1103)**

Eighteen (18) units required for the major

I. Required courses for the major

CFCS/DSPS 240	Understanding Excep Students	3
DSPS 242	Practicum Exper to Work with the Disabled Person	2
PSY 101	Introduction to Psychology	3

II. A minimum of 6 units must be taken from Section II

AHP 060	Health Assistant	5
AMSL 100	American Sign Language 1	4
AMSL 102	American Sign Language 2	4
AMSL 200	American Sign Language 3	3
AMSL 202	American Sign Language 4	3
AMSL 204	American Sign Language 5	3
AMSL 210	Interpreting Amer Sign Lang 1	3
AMSL 212	Interpreting Amer Sign Lang 2	3

**III. Additional units to complete the major may be utilized ..
from the courses under Section III**

AMSL 104	Fingerspelling and Numbers	3
AMSL 110	Introduction to Deaf Culture	3
AMSL 112	Interpreting as a Profession	3
CFCS/PSY 106	Develop Psych of Children	3
DSPS 005	Recreation for Special Groups	1
DSPS 242	Practicum Exper to Work with the Disabled Person	2
PE 224	PE for Special Olympics	3
PSY 104	Psych of Adjustment	3
PSY/ADS 120	Intro to Counseling	3
PSY/SOC 206	Social Psychology	3
SOC 101	Introductory Sociology	3
SOC 102	Contemp Social Problems	3

**SOCIAL SCIENCE
(MAJOR CODE: 0900)**

I. Required courses for the major

The requirements for a major in Social Science may be satisfied by taking 18 units from the following list to include at least one course from three of the seven fields:

Anthropology

ANTH 100	Physical Anthropology	3
ANTH 102	Cultural Anthropology	3
ANTH 104	California Indians	3
ANTH 106	Indians of North America	3
ANTH 110	Intro to Arch Site Surveying	3
ANTH 112	Intro to Arch Excavations	3

Economics

ECON 101	Introduction to Microeconomics	3
ECON 102	Introduction to Macroeconomics	3

Geography

GEOG 100	Physical Geography	3
GEOG 102	Cultural Geography	3
GEOG 108	World Regional Geography	3

History

HIST 100	Early World History	3
HIST 101	Modern World History	3
HIST 110	Early Western Civilization	3
HIST 111	Modern Western Civilization	3
HIST 120	United States History to 1877	3
HIST 121	United States History from 1877	3
HIST 122	History of Imperial Valley	3
HIST 130	Early Latin America	3
HIST 131	Modern Latin America	3
HIST 132	History of Mexico	3

Philosophy

PHIL 100	Intro to Philosophy I	3
PHIL 102	Intro to Philosophy II	3
PHIL 104	Ethics	3
PHIL 108	Religions of the Mod World	3

Political Science

POLS 052	Intro to American Government	3
POLS 100	Intro to Political Science	3
POLS 102	American Govt & Politics	3
POLS 104	Comparative Politics	3
POLS 106	Intro to International Relations	3

Sociology

SOC 101	Introductory Sociology	3
SOC 102	Contemp Social Problems	3
SOC 110	Marriage & the Family	3
SOC/ADS 150	Sociology of Minority Groups	3

**SPANISH: NATIVE SPEAKER
(MAJOR CODE: 0668)**

Twenty-six (26) units required for the major

- I. Required courses for the major**
- SPAN 220 Bilingual Spanish I 5
 - SPAN 221 Bilingual Spanish II 5
 - SPAN 222 Bilingual Oral Spanish 3
 - SPAN 225 Intro to Spanish American Lit 3
 - SPAN 223 Spanish Reading & Writing 4
 - SPAN 262 Intro to Mexican American Studies 3
- Total: 23**

II. Acceptable courses for the major (select a minimum of 3 units from the following courses)

- HIST 130 Early Latin America 3
- HIST 131 Modern Latin America 3
- HIST 132 History of Mexico 3
- HIST 226 Mexican American History, 1821-1930 3
- HIST 227 Mexican American History Since 1930 3
- MUS 174 Estudiantina 1
- SPAN/ENGL 260
The Mexican American in Lit 3

**SPANISH: NON-NATIVE
(MAJOR CODE: 0670)**

Twenty-nine (29) units required for the major

- I. Required courses for the major**
- SPAN 100* Elementary Spanish I 5
 - SPAN 110* Elementary Spanish II 5
 - SPAN 200 Intermediate Spanish I 5
 - SPAN 210 Intermediate Spanish II 5
 - SPAN 223 Spanish Reading and Writing 4

*Completion of SPAN 101 and 102 is equivalent to SPAN 100 and completion of SPAN 111 and 112 is equivalent to SPAN 110

II. Acceptable courses for the major
(select a minimum of 5 units from the following courses)

- MUS 174 Estudiantina 1
- SPAN 222 Bilingual Oral Spanish 3
- SPAN 225 Intro to Spanish American in Literature 3
- SPAN/ENGL 260
The Mexican American in Literature 3
- SPAN 262 Intro to Mexican American Studies 3

**TRANSFER STUDIES
(MAJOR CODE: 0218)**

This major is a program of course work selected from courses transferable to the University of California system (UC), California State University system (CSU), and other colleges and universities. Transfer programs are designed to help the student complete the first two years of a four-year college program. The associate degree will be granted to students who meet ALL the following requirements:

*Complete all Imperial Valley College graduation requirements

- *Complete 60 transferable units
- *Complete requirements for one of the following:
 - CSU General Education Breadth Requirements;
 - IGETC (Intersegmental General Education Transfer Curriculum);
 - Approved Transfer Admission Guarantee Program.

****MUST SEE A COUNSELOR TO COMPLETE THIS MAJOR****

(It is strongly recommended that the student complete as much lower division major preparation as possible for the college or university to which he/she plans to transfer.)

COMPLETION OF THIS MAJOR DOES NOT GUARANTEE ADMISSION TO ANOTHER COLLEGE OR UNIVERSITY

**WATER TREATMENT TECHNOLOGY
(MAJOR CODE: 1008)**

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-two (22) units required for the major

- I. Required courses for the major**
- WT 110 Water Treat Plant Oper I 4
 - WT 120 Computational Proced for Treatment
Plant Oper I 3
 - WT 130 Wastewater Treatment I 4
 - WT 210 Water Treat Plant Oper II 4
 - WT 220 Computational Proced for Treatment
Plant Oper II 3
 - WT 230 Wastewater Treatment II 4
- II. Recommended courses for the major**
- BUS/AG 132 Business Management 3
 - BUS 134 Mgmt Concepts of Supervision 3
 - BUS 136 Human Relations in Management 3
 - CHEM 100 Intro to Chemistry 4
 - CHEM 200 General Inorganic Chemistry I 5

**WELDING TECHNOLOGY
(MAJOR CODE: 1007)**

The practice of joining metals by welding is becoming more of a science every day. Imperial Valley College recognized this and consequently has a two-year Associate Degree program in Welding Technology. This program is designed to train technicians by giving the student ample laboratory welding practice along with related theory, plus a firm background in associated subjects such as mechanics and metal-fabricating techniques.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Eighteen (18) units required for the major.

- I. Required courses for the major**
- WELD 130 Welding Technology 5
 - AND**
 - WELD 220 Arc Welding Processes 5
 - WELD 240 Pipe & Structural Welding 5

WELD 250 Welder Qual & Blueprint Reading 3

CERTIFICATE PROGRAMS

ADMINISTRATION OF JUSTICE (CERTIFICATE CODE: 5220)

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-one (21) to twenty-four and one half (24.5) units required for the certificate

AJ 100	Intro to Admin of Justice	3
AJ/CSI 102	Concepts of Criminal Law	3
AJ 104	Legal Aspects of Evidence	3
AJ 106	Prin & Proced of the Justice System	3
AJ 110	Police Community Relations	3
AJ 123	Juvenile Control	3
ENGL 101	English Composition	3
ENGL 089 or 111*	Reading	3.5

*A score of 64 or higher on the Degrees of Reading Power (DRP) will substitute. NOTE: The IVC assessment examinations are undergoing revisions. Please see a counselor for assistance.

AGRICULTURAL BUSINESS MANAGEMENT (CERTIFICATE CODE: 5046)

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-five (25) units required for the certificate

AG 080	Pesticide Safety	1
AG 120	Soil Science	3
AG 130	Agricultural Economics	3
AG/BUS 132	Business Management	3
AG 134	Agricultural Bus Organization	3
AG 136	Agri Sales & Service Management	3
AG 160	Food & Fiber in a Chang World	3
CIS 101	Intro to Information Systems	3

Select one (1) course from the following

AG 138	Computer Applications in Agriculture	3
AG 170	Entomology	3
BUS 010	Practical Accounting	3
BUS 126	Bus & the Legal Environment	3
BUS 144	Principles of Marketing	3

AGRICULTURAL CROP SCIENCE (CERTIFICATE CODE: 5048)

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-seven (27) units required for the certificate

I. Required courses for the certificate

AG 080	Pesticide Safety	1
AG 120	Soil Science	3

AG 140	Principles of Plant Science	4
AG 170	Entomology	3
AG 230	Fertilizers & Soil Amendments	3
AG 240	Field & Cereal Crops	4
AG 250	Vegetable Crops	3
AG 270	Weeds & Weed Control	3

II. Acceptable courses for the certificate

AG 138	Computer Applications in Agriculture	3
AG 160	Food & Fiber in a Changing World	3
AG 220	Irrigation & Drainage	3

AIR CONDITIONING AND REFRIGERATION TECHNOLOGY (CERTIFICATE CODE: 5360)

The Air Conditioning and Refrigeration Certificate is designed to provide instruction in manipulative skills, technical knowledge, and related trade information, which will prepare the student for employment in the Air Conditioning and Refrigeration industry.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Seventeen (17) units required for the certificate.

I. Required courses for the certificate

ACR 101	Air Conditioning/Refrigeration Systems	3
ACR 102	Residential Air Conditioning Systems	3
ACR 103	Air Conditioning Electrical Circuits/Controls	3
ACR 104	Air Conditioning Heating Systems	3
ACR 105	Heat Load Calculation and Measurements	2
ACR 106	Air Conditioning Ventilation Duct Systems.....	3

ALCOHOL AND DRUG STUDIES (CERTIFICATE CODE: 5145)

Imperial Valley College is an accredited CAADE (California Association for Alcohol/Drug Educators) program. The Alcohol and Drug Studies major and certificate meet state requirements. Students completing these programs can take the CATC examination and obtain the California Addiction Treatment Counselor Credential. This credential will help students obtain jobs in social service agencies, treatment programs, recovery homes, schools, DEA, and law enforcement.

This program prepares student for transfer to institutions providing higher degrees with the social service majors.

Thirty-six (36) units required for the major

I. Required courses for the major (27 units)

ADS101	Alcoholism: Intervention, Treatment, & Recovery	3
ADS110	Physiological Effects of Alcohol & Drugs	3
ADS/PSY120	Intro to Counseling	3
ADS/PSY130	Group Leadership & Group Process	3
ADS 200	Family Counseling Approach to Alcohol & Drug Abuse	3
ADS/PSY 210	Crisis Intervention & Referral Techniques	3
ADS/PSY 220	Practicum	3
ADS/PSY 221	Practicum	3

- ADS 230 Alcohol & Drug Prevention & Education 3
- II. Maximum of three (3) units selected from:**
- ADS176 Sex and Gambling Addiction 1
- ADS177 Anger Management 1
- ADS178 Life Skills 1
- Additional Courses will be added to this section - see class schedule!*
- III. Minimum of six (6) units selected from:**
- ADS/SOC 150 Sociology of Minority Groups 3
- PSY 101 General Psychology 3
- PSY 144 The Psychology of Interpersonal Relationships 3
- PSY 204 Develop Psych: Concept to Death 3
- PSY 208 Abnormal Psychology 3
- SW 220 Introduction to Social Work 3
- SOC 101 Introduction to Sociology 3

**AUTOMOTIVE AIR CONDITIONING
(CERTIFICATE CODE: 5023)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Six (6) units required for the certificate.

- I. Required courses for the certificate**
- AU T 130 Automotive Electronics I 3
- AU T 210 Air Conditioning 3

**AUTOMOTIVE COLLISION REPAIR
(CERTIFICATE CODE: 5010)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Thirty-one (31) units required for the certificate

- I. Required courses for the major**
- AU B 120 Automotive Collision Repairs 5
- AU B 140 Frame/Undercarriage Repair 5
- AU B 220 Estimating and Collision Repair 5
- AU B 240 Custom Refinishing & Shop Mgt 3
- AU T 125 Automotive Brakes 4
- AU T 155 Suspension and Wheel Alignment 4
- WELD 130 Welding Technology 5

**AUTOMOTIVE BRAKES, SUSPENSION
AND WHEEL ALIGNMENT
(CERTIFICATE CODE: 5022)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Eleven (11) units required for this certificate.

- I. Required courses for the certificate**
- AU T 125 Automotive Brakes 4
- AU T 155 Suspension & Wheel Alignment 4
- MATH 070 Basic Math or equivalent 3

**AUTOMOTIVE ELECTRONICS
(CERTIFICATE CODE: 5024)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Seven (7) units required for the certificate.

- I. Required courses for the certificate**
- AU T 130 Automotive Electronics I 3
- AU T 150 Automotive Electronics II 4

**AUTOMOTIVE ENGINE MACHINIST
(CERTIFICATE CODE: 5026)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Sixteen (16) units required for the certificate

- I. Required courses for the certificate**
- AU T 110 Engine Technology 4
- AU T 120 Automotive Machine Shop 4
- MATH 070 Basic Math or equivalent 3
- WELD 130 Welding Technology 5

**AUTOMOTIVE ENGINE PERFORMANCE
(CERTIFICATE CODE: 5021)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twelve (12) units required for the certificate

- I. Required courses for the certificate**
- AU T 130 Automotive Electronics 3
- AU T 160 Engine Performance Tune-Up 3
- AU T 170 Engine Diagnosis & Repair 3
- AU T 230 Emissions Control & Computer Systems 3

**AUTOMOTIVE POWER TRAIN
(CERTIFICATE CODE: 5025)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Fifteen (15) units required for the certificate

- I. Required courses for the certificate**
- AU T 180 Manual Transmissions & Power Trains 4
- AU T 220 Mechanical Automatic Transmissions 4
- AU T 250 Electronic Automotive Transmission 4
- MATH 070 Basic Math or equivalent 3

**AUTOMOTIVE TECHNOLOGY
(CERTIFICATE CODE: 5020)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Thirty-nine (39) units required for the certificate

I. Required courses for the certificate

AU T 110	Engine Technology	4
AU T 125	Automotive Brakes	4
AU T 130	Automotive Electronics I.....	3
AU T 150	Automatic Electronics II 4	4
AU T 155	Suspension & Wheel Alignment	4
AU T 160	Engine Performance Tune-Up	3
AU T 170	Engine Diagnosis & Repair	3
AU T 180	Manual Trans & Power Trains	4
AU T 210	Automotive Air Conditioning	3
AU T 220	Mechanical Automatic Transmissions	4
AU T 230	Emissions Control & Computer Systems	3

II. Recommended courses for the certificate (NOT required)

CIS 100	Computer Literacy	1
OR		
CIS 110	Windows Operating Systems	1
MATH 070	Basic Mathematics	3
WELD 130	Welding Technology	5
WE 201	Employment Readiness Class	1
WE 220	Internship	1-4

*Student must satisfy the Imperial Valley College mathematics competency requirements for the certificate.

**BASIC COMPUTER SKILLS
(CERTIFICATE CODE: 5087)**

ALL COURSES REQUIRED FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Six (6) units required for the certificate

I. Required courses for the certificate

BUS 152	Basic Keyboarding	1
BUS 164	Office Technology & Procedures I.....	3
CIS 100	Computer Literacy	1
CIS 124	Excel.	1

**BUILDING CONSTRUCTION PROJECT MANAGEMENT
(CERTIFICATE CODE: 5410)**

Sixteen (16) units required for the certificate

I. Required courses for the certificate

BLDC 140	Building Construction Methods and Materials	3
BLDC 160	Construction Technical and Contract Documents	3
BLDC 180	Building Planning and Cost Estimation	3
BLDC 201	Building Construction Project Management	4
BLDC 210	Construction Management and	

Organizations 3
**BUSINESS ACCOUNTING TECHNICIAN
(CERTIFICATE CODE: 5058)**

This program provides students with entry level competencies for employment as a bookkeeper or other financial clerk who keeps track of money. Accounting technicians can be found in settings as varied as banks, offices, and casinos. It helps to be someone who likes working with numbers, computers, and details as well as interacting with customers and coworkers.

This program is designed to lead to employment or lead into the Business Accounting Technician Associate Degree Program.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER.

Twenty-six (26) units required for the certificate

I. Required courses for the certificate

BUS 164	Office Tech & Procedures I	3
BUS 167	Machine Calculation	1
BUS 169	Records Management	2
BUS 172	Office Tech & Procedures II	3
BUS 210 **	Principles of Financial Accounting	4
CIS 101	Intro to Information Systems	3
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
WE 201 *	Employment Readiness	1
WE 220 *	Internship	1

* It is recommended that the work experience courses be taken after the completion of at least 12 units in the certificate.

** It is recommended that BUS 010 be taken as preparation for BUS 210.

II. Acceptable courses for the certificate (select three units)

BUS 010	Practical Accounting	3
BUS 061	Business English	3
BUS 124	Intro to Business	3
BUS 220	Prin of Managerial Accounting	4

III. Required skill level for the certificate

Keyboarding skill level 40 nwpm.

**BUSINESS ADMINISTRATIVE ASSISTANT
(CERTIFICATE CODE: 5057)**

This program provides students with the education and training needed to qualify for jobs that require a higher level of education and work experience in an office setting. These individuals provide administrative support to an individual or an office. Job duties may include providing, directing, and coordinating administrative services. It helps to be someone at ease communicating and at ease with computers. You'll also need to work independently, stay organized, and take initiative.

In this program, Office Administration and Business Administration courses are combined to provide students with the opportunity to advance in a career or continue their education in the Administrative Assistant Associate Degree Program.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-seven (27) units and skill level required for the certificate

I. Required courses for the certificate

BUS126	Business and the Legal Environment	3
BUS 136	Human Relations in Management	3
BUS 167	Machine Calculation	1
BUS 172	Office Tech & Procedures II	3
BUS 176	Office Transcription	1
BUS 180	Microsoft Office for the Workplace	4
BUS 210 **	Principles of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
WE 201 *	Employment Readiness	1
WE 220 *	Internship	1

* It is recommended that the work experience courses be taken after the completion of at least 12 units in the certificate.

** It is recommended that BUS 010 be taken as preparation for BUS 210.

II. Required skill level for the certificate

Keyboarding skill level 50 nwpm. (BUS 156, Keyboarding Speed & Accuracy may be helpful in obtaining this speed level.)

**BUSINESS FINANCIAL SERVICES
(CERTIFICATE CODE: 5066)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-six (26) units required for the certificate

I. Required courses for the certificate ..

BUS 124	Introduction of Business	3
BUS 126	Bus & the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 210	Prin of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1
ECON 102	Intro to Macroeconomics	3

II. Acceptable courses for the certificate

(minimum of three units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials of Workplace Communication	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
*CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
WE 201	Employment Readiness	1
WE 220	Internship	1

* Highly recommended for this certificate

STUDENTS WHO INTEND TO PURSUE A FOUR-YEAR BUSINESS DEGREE SHOULD FOLLOW THE BUSINESS ADMINISTRATION MAJOR.

**BUSINESS MANAGEMENT
(CERTIFICATE CODE: 5060)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-six (26) units required for the certificate

I. Required courses for the certificate

BUS 126	Bus & the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 210	Prin of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1

II. Acceptable courses for the certificate

(minimum of nine units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials in Workplace Communication	3
BUS 124	Intro to Business	3
BUS 134	Management Concepts of Supervision	3
BUS 136	Human Relations in Management	3
BUS 140	Business Retailing	3
BUS 142	Practical Salesmanship	3
BUS 144	Principles of Marketing	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 124	Excel I	1
CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3
WE 201	Employment Readiness	1
WE 220	Internship	1

**BUSINESS MARKETING
(CERTIFICATE CODE: 5252)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-nine (29) units required for the certificate

I. Required courses for the certificate

BUS 126	Business and the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 144	Principles of Marketing	3
BUS 210	Principles of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1

II. Acceptable courses for the certificate

(minimum of nine units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials of Workplace Communication	3
BUS 124	Intro to Business	3
BUS 134	Management Concepts of Supervision	3
BUS 136	Human Relations in Management	3
BUS 140	Business Retailing	3
BUS 142	Practical Salesmanship	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3
WE 201	Employment Readiness	1
WE 220	Internship	1

STUDENTS WHO INTEND TO PURSUE A FOUR-YEAR BUSINESS DEGREE SHOULD FOLLOW THE BUSINESS ADMINISTRATION MAJOR.

**BUSINESS OFFICE TECHNICIAN
(CERTIFICATE CODE: 5054)**

This program provides students with entry level competencies for employment in an office. It helps to be a good team player who pays attention to detail. You'll thrive if you are adaptable and versatile and able to perform various tasks as needed. Interpersonal and analytical skills will not only help you do well in your job but also help you advance to higher positions.

This program is designed to lead to employment or lead into the Business Office Technician Associate Degree Program.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-eight (28) units and skill level required for the certificate.

I. Required courses for the certificate

ENGL 060	Practical English for the Workplace	3
BUS 060	Essential in Workplace Corresdn	3
BUS 061	Business English	3
BUS 164	Office Tech & Procedures I	3
BUS 167	Machine Calculation	1
BUS 169	Records Management	2
BUS 172	Office Tech & Procedures II	3
BUS 176	Office Transcription	1
BUS 180	Microsoft Office for the Workplace	4
BUS 260	Business Communications	3
WE 201 *	Employment Readiness	1
WE 220 *	Internship	1

*It is recommended that the work experience courses be taken after completion of at least 12 units in the major.

NOTE: ENGL 060 is recommended before BUS 060.

NOTE: BUS 060 is recommended before BUS 061.

II. Required skill level for the certificate

Keyboarding skill level 40 nwpm. Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)

**BUSINESS RETAIL MANAGEMENT
(CERTIFICATE CODE: 5221)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Twenty-eight (28) units required for this certificate

I. Required courses for this certificate

BUS 126	Business & the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 136	Human Relations Management	3
BUS 140	Business Retailing	3
BUS 144	Principles of Marketing	3
BUS 210	Principles of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Introduction to Information Systems	3
ECON 101	Introduction to Microeconomics	3

OPTIONAL: To be certified by the Western Association of Food Chains, student must also complete the following courses:

BUS 138	Human Resources Management	2
BUS 167	Machine Calculation	1
SPCH 100	Oral Communication	3

**CARPENTRY CONSTRUCTION TECHNOLOGY
(CERTIFICATE CODE: 5430)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Seventeen (17) units required for the certificate

I. Required courses for the certificate

BLDC 110	Construction Blueprints, Specifications, Measurements, and Codes	3
BLDC 130	Carpentry Layout and Framing	4
BLDC 140	Building Construction Methods and Materials	3
BLDC 150	Carpentry Materials, Methods, and Tools	4
BLDC 190	Carpentry Trim and Detail Work	3

**CEMENT MASON CONSTRUCTION TECHNOLOGY
(CERTIFICATE CODE: 5440)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

Seventeen (17) units required for the certificate

I. Required courses for the certificate

BLDC 110	Construction Blueprints, Specifications, Measurements, and Codes	3
BLDC 140	Building Construction Methods and Materials	3
BLDC 145	Concrete Formwork, Layout, and Setting	3
BLDC 165	Concrete Materials, Methods, and Tools	4
BLDC 185	Concrete Footings, Flatwork, and Detail Work	3

**COMPUTER INFORMATION SYSTEMS
(CERTIFICATE CODE: 5085)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

Twenty (20) units required for the certificate

I. Required courses for the certificate

BUS 210	Prin of Financial Accounting	4
CIS 101	Intro to Information Systems	3

Select six (6) programming units

CIS 202	Programming in Visual Basic	3
CIS 204	Programming in C	3
CIS 208	Programming in JAVA	3
MATH 130	Programming in Fortran	3

II. Select at least seven (7) elective units

(Programming courses taken above may not be used to satisfy this requirement):

CIS 102	Computer Applications Lab-1 Unit Max	1
CIS 104	Intro to Telecommunications	3
CIS 106	PC Maintenance & Repair	3
CIS 107	Computer Networking	3
CIS 108	Computer Accounting	3
CIS 110	Windows Operating System	1
CIS 121	Word	1
CIS 125	Excel II	1
CIS 128	Access	1
CIS 130	Power Point I	1
CIS 132	Front Page I	1
CIS 202	Programming in Visual Basic	3
CIS 204	Programming in C	3
CIS 208	Programming in JAVA	3
MATH 130	Programming in Fortan	3
WE 201	Employment Readiness Class	1
WE 220	Internship	1-4

**CORRECTIONAL SCIENCE
(CERTIFICATE CODE: 5222)**

Twenty-four (24) units required for the certificate

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

I. Required courses for the certificate

CSI 100	Intro to Corrections	3
CSI/AJ 102	Concepts of Criminal Law	3
CSI 106	Correctional Interviewing & Counseling	3
CSI 108	Control & Supervision of Inmates	3
CSI/AJ 120	Public Safety Communication	3

II. Select nine (9) units from the following courses

AJ 080	Security Guard (Arrest)	0.5
AJ 100	Intro to Admin of Justice	3
AJ 110	Police Community Relations	3
AJ 122	Criminal Investigation	3
AJ 123	Juvenile Control	3
AJ 141	Arrest & Firearms	3.5
CSI 104	Concepts of Probation & Parole	3
ENGL 101	Reading & Composition	3

**COURT SERVICES SPECIALIST
(CERTIFICATE CODE: ____)**

This program is intended to provide an opportunity for court employees and others interested in the justice process to enhance their professional and personal skills.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Seventeen (17) units required for the certificate

I. Required courses for the certificate

CIS 101	Introduction to Information Systems	3
CIS 120/121	Microsoft Word I	1
CIS 124/125	EXCEL I/II	1

II. Acceptable courses for the certificate (12 Units)

Select ONE course from the following (3 Units):

AJ 100	Introduction to Administration of Justice....	3
AJ/CSI 102	Concepts of Criminal Law	3
AJ 106	Principles and Procedures of the Justice System .	3

Select ONE course from the following (3 Units):

BUS 260	Business Communication	3
ENGL 100	Basic English Composition	3
ENGL 240	Introduction to Technical and Report Writing	3

Select ONE course from the following (3 Units):

BUS 126	Business and the Legal Environment	3
BUS 136	Human Relations in Management	3

Select ONE course from the following (3 Units):

LEGL 121	Legal Research	3
LEGL 122	Civil Procedures and Family Law	3

**EARLY CHILDHOOD ASSISTANT
(CERTIFICATE CODE: 5116)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

This certificate meets the requirements for the State of California Child Development Permit Matrix: Assistant.

Six (6) units required for the certificate

I. Required Courses for the certificate

CFCS 101	Health, Safety & Nutrition for Teachers of Young Children	2
CFCS 102	First Aid & CPR for Teachers of Young Children	1
CFCS 104	Early Childhood Social: Children, Family & Community	3

OR

CFCS 110	Early Childhood Curriculum I	3
----------	------------------------------------	---

**EARLY CHILDHOOD ASSOCIATE TEACHER
(CERTIFICATE CODE: 5118)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Fifteen (15) units required for the certificate

I. Required Courses for the certificate

CFCS 101	Health, Safety & Nutrition for Teachers of Young Children	2
CFCS 102	First Aid & CPR for Teachers of Young Children	1
CFCS 104	Early Childhood Social: Children, Family, and Community	3
CFCS/PSY 106	Develop Psych of Children	3
CFCS 108	Adv Develop Psych & Observation	3
CFCS 110	Early Childhood Curriculum I	3

Note: To be eligible for the State of California Child Development Permit; Associate Teacher students must complete the following experience requirements: fifty (50) days of three or more hours per day within two years.

**EARLY CHILDHOOD EDUCATION
ADMINISTRATION SPECIALIZATION
(CERTIFICATE CODE: 5111)**

The Administration Specialization Certificate is a certificate demonstrating a completion of specialized course work above the major in the area of Administration. This specialization certificate will prepare students to supervise and manage early childhood programs.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

The major plus nine (9) additional units in Administration

CFCS 210	Administration and Supervision in Early Childhood Education	3
CFCS 211	Advanced Management Functions for the Operation of an Early Childhood Center	3
CFCS 212	Adult Supervision in Early Childhood Programs	3

**EARLY CHILDHOOD EDUCATION
FAMILY CHILD CARE
(CERTIFICATE CODE: 5114)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Fifteen (15) units required for the certificate.

I. Required Courses for the certificate

CFCS 050	Family Child Care Management	1
CFCS 051	Family Child Care Provider & Parent Rel	1
CFCS 052	Family Child Care Licensing & Res	1
CFCS 101	Health, Safety & Nutrition for Teachers of Young Children	2
CFCS 102	First Aid & CPR for Teachers of Young Children	1
CFCS 104	Early Childhood Social: Children, Family & Community	3
CFCS/PSY 106	Develop Psych of Children	3
CFCS 110	Early Childhood Curriculum I	3

**EARLY CHILDHOOD EDUCATION
INFANT/TODDLER SPECIALIZATION
(CERTIFICATE CODE: 5115)**

The Infant/Toddler Specialization Certificate is a certificate demonstrating a completion of specialized course work above the major in infant/Toddler studies. This certificate will also meet the requirements for the specialization field in applying for the Master Teacher Permit.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

The major plus six units in Infant/Toddler course work.

CFCS 220	Infant/Toddler Development	3
CFCS 221	Infant/Toddler Curriculum	3

**EARLY CHILDHOOD EDUCATION
SCHOOL-AGE SPECIALIZATION CERTIFICATE
(CERTIFICATE CODE: 5113)**

The School-Age Specialization Certificate is a certificate demonstrating a completion of specialized course work above the major in working with school-age children. This certificate will also meet the requirements for the specialization field in applying for the Master Teacher Permit.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

The major plus six (6) units in School-Age course work

CFCS 230	School-Age Development	3
CFCS 231	School-Age Curriculum	3

**ELECTRICAL TRADES
(CERTIFICATE CODE: 5450)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Sixteen (16) units required for the certificate

I. Required Courses for the certificate

ELTT 101	Electrical Trades I	4
ELTT 102	Electrical Trades II	4
ELTT 103	Electrical Trades III	4
ELTT 104	Electrical Trades IV	4

**ELECTRICAL WIRING TECHNOLOGY
(CERTIFICATE CODE: 5460)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Sixteen (16) units required for the certificate

I. Required Courses for the certificate

EWIR 110	Electrical Principles	4
EWIR 115	Electrical Wiring and Protection	4
EWIR 125	Electrical Feeder Services and Circuits	4
EWIR 135	Electrical Equipment and Special Conditions	4

**ELECTRONICS
(CERTIFICATE CODE: 5120)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Fourteen (14) units required for the certificate

I. Required Courses for the certificate

ELTR 120	Electronic Devices	4
ELTR 140	Electronic Circuits & Semiconductors	4
ELTR 220	Digital Instrumentation Measurements	3
ELTR 240	Digital Logic Circuits	3

**EMERGENCY MEDICAL TECHNICIAN I
(CERTIFICATE CODE: 5130)**

Seven and one-half (7.5) units required for the certificate

EMT/FIRE 105	Emergency Medical Tech 1	7.5
--------------	--------------------------------	-----

**EMERGENCY MEDICAL TECHNICIAN -
PARAMEDIC
(CERTIFICATE CODE: 5133)**

Successful completion of application process. Acceptance into program by EMT Training Coordinator and EMT Training Medical Director. Contact Nursing Division for specifics.

Thirty-eight and a half (38.5) units required for the certificate.

I. Required Courses for the certificate

EMTP 200	EMT Paramedic - Didactic 1	9
EMTP 210	EMT Paramedic - Didactic 2	9
EMTP 215	EMT Paramedic - Didactic 3	5
EMTP 225	EMT Paramedic - Clinical	3.5
EMTP 235	EMT Paramedic - Field 1	6.5
EMTP 245	EMT paramedic - Field 2	5.5

**EMPLOYMENT READINESS
(CERTIFICATE CODE: 5380)**

This program provides students with entry level competencies for employment in an office.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Seventeen (17) units required for the certificate.

I. Required courses for the certificate.

BUS 060	Essentials of Workplace Comm	3
BUS 167	Machine Calculation	1
BUS 169	Records Management	2
CIS 100	Computer Literacy	1
ENGL 060	Practical English for the Workplace	3
OR		
BUS 061	Business English	3
PD 100	Personal & Career Development	3
WE 201	Employment Readiness	1
WE 210	General Work Experience	1
OR		
WE 220	Internship	1

II. Acceptable courses for the certificate (select a minimum of 2 units)

BUS 152	Basic Keyboarding	1
CIS 120	Microsoft Word I	1
CIS 121	Microsoft Word II	1
CIS 124	Excel I	1
CIS 125	Excel II	1

* It is recommended that the work experience courses be taken after the completion of at least 12 units in the major.

NOTE: ENGL 060 is recommended before BUS 060.

**FIELD ARCHAEOLOGY
(CERTIFICATE CODE: 5000)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-four (24) to twenty-five (25) units and 100 hours of field work required for the certificate

I. Required courses for the certificate

ANTH 100	Physical Anthropology	3
ANTH 102	Cultural Anthropology	3
ANTH 104	California Indians	3
ANTH 110	Intro to Arch Site Surveying	3
ANTH 112	Intro to Arch Excavations	3
ANTH 210	Adv Archaeological Survey	3
ANTH 212	Adv Archeological Excavations	3

Three (3) units to be selected from the following course

BIOL 100	Prin of Biological Science	4
BIOL 120	General Zoology I	4
BIOL 122	General Zoology II	4
GEOG 100	Physical Geography	3

**FIREFIGHTER I
(CERTIFICATE CODE: 5470)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-six and one-half (26.5) units required for the certificate

I. Required courses for the certificate

FIRE/EMT 105	Emergency Medical Technician I	7.5
FIRE 120	Hazardous Materials for the First Responder.	3
FIRE 121	ICS 200 Incident Command System	1
FIRE 122	Confined Space Awareness	5
FIRE 130	Basic Fire Academy I	5.5
FIRE 131	Basic Fire Academy II	6
PE 100	Lifetime Exercise Science	2
PE 104	Weight Training	1

**FIRE TECHNOLOGY
(CERTIFICATE CODE: 5140)**

Twenty-six and one-half (26.5) units required for the certificate

I. Required courses for the certificate

FIRE 100	Fire Protection Organization	3
FIRE 101	Fire Prevention Technology	3
FIRE 102	Fire Protec Equip & Systems	3
FIRE 103	Building Construction for Fire Protection	3
FIRE 104	Fire Behavior and Combustion	3
FIRE/EMT105	Emergency Medical Technician I	

7.5

II. Select 4 units from the following acceptable courses for the certificate

AJ/CSI 120	Public Safety Communications	3
FIRE 110	Intro to Fire Technology	3
FIRE 111	Streams, Nozzles, Hose & Appliance	2.5
FIRE 112	Ground Entry & Rescue	2.5
FIRE 113	Ventilation & Fire Control	2
FIRE 114	Basic Fire Technology - Advanced	3.5
FIRE 116	Fire Hydraulics	2
FIRE 120	Hazardous Materials for the First Responder	3
FIRE 200**	Driver/Operator - Driver	2
FIRE 201**	Driver/Operator - Pumping2	
FIRE 202**	Fire Investigation 1A	2
FIRE 203**	Fire Investigation 1B	2
FIRE 205**	Fire Prevention 1A	2
FIRE 206	**Fire Prevention 1B	2
FIRE 207	**Fire Instructor Training 1A	2
FIRE 208	**Fire Instructor Training 1B	2
FIRE 209	**Fire Command 1A	2
FIRE 210	**Fire Command 1B	2
CIS 101	Intro to Information Systems	3

*Recommended

**200 courses for personnel already employed in Fire Technology or for students who have completed at least 12 units at the 100 level.



**HEALTH ASSISTANT
(CERTIFICATE CODE: 5190)**

Six (6) units required for the certificate

I. Required Course for the certificate

AHP 060	Health Assistant	6
---------	------------------------	---

**HOME HEALTH AIDE
(CERTIFICATE CODE: 5195)**

One and one-half (1.5) units required for the certificate

I. Required Course for the certificate

AHP 062	Home Health Aide	1.5
---------	------------------------	-----

**HUMAN RELATIONS
(CERTIFICATE CODE: 5210)**

Areas of emphasis: Community Mental Health Worker, Counseling, School, Social Services, Personnel, Employment Counseling, and Supervision

Twenty-four (24) units required for the certificate

I. Required courses for the certificate

PSY 101	Intro to Psychology	3
PSY 142	Psychology of Adjustment	3
ADS/PSY 120	Intro to Counseling	3
ADS/PSY 220 or 221	Practicum	3
SOC 101	Introductory Sociology	3

II. With the approval of his/her counselor and the Division Chairperson, the student will select a minimum of 9 units (depending on areas of emphasis) from the following courses. It is considered advisable for students in certain areas of emphasis to take more than 9 units from the list below

ANTH 102	Cultural Anthropology	3
BUS 134	Mgmt Concepts of Supervision	3
BUS 136	Human Relations in Mgmt	3
CFCS/PSY 106	Develop Psychology of Children	3
CFCS 260	Principles of Parenting	3
CIS 101	Intro to Information Systems	3
PD 100	Personal & Career Development	3
MATH 120	Intro Statistics with Applications	3
PSY 144	The Psych of Interpersonal Relationships	3
PSY 200	Biological Psychology	3
PSY 202	Learning	3
PSY 204	Developmental Psychology	3
PSY/SOC 206	Social Psychology	3
PSY 208	Abnormal Psychology	3
PSY/ADS 210	Crisis Intervention & Referral Tech	3
SOC 102	Contemp Social Problems	3
SOC 110	Marriage & the Family	3
SOC 150	Sociology of Minority Groups	3

**LEGAL ASSISTANT
(CERTIFICATE CODE: 5230)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER

Twenty-four (24) units required for the certificate

I. Required courses for the certificate

AJ/CSI 106	Concepts of Criminal Law	3
BUS 126	Bus & the Legal Environment	3
LEGAL 121	Legal Research	3
LEGAL 122	Civil Procedures & Family Law	3
LEGAL 123	Civil Discovery & Torts	3
LEGAL 124	Corporations & Bankruptcy	3
LEGAL 125	Real Estate Law for Legal Assistants	3
LEGAL 126	Wills, Trusts, Probate and Estate Admin	3

**LIBRARY TECHNICIAN
(CERTIFICATE CODE: 5240)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

Twenty-one (21) units is required for the certificate.

I. Required courses for the certificate

LBRY 151	Intro to Library Science	3
LBRY 152	Library Technical Services	3
LBRY 153	Library Public Services	3
LBRY 154	Introduction to Media Services	3
LBRY 155	Introduction to Cataloging & Classification ..	3
LBRY 156	Information and Reference Services.....	3

II. Select a minimum of three (3) units from the following

BUS 061	Business English	3
BUS 136	Human Relations in Management	3
BUS 152	Basic Keyboarding	1
BUS 154	Beginning Keyboarding & Document Formatting	3
BUS 180	Microsoft Office for the Workplace	4.0
BUS 260	Business Communication	3
CIS 100	Computer Literacy	1
CIS 101	Introduction to Information Systems	3
CIS 120	Word I.....	1
CIS 121	Word II	1
CIS 124	Excel I.....	1
CIS 125	Excel II	1
CIS 130	Power Point I	1
CIS 132	Front Page I	1
SPCH 100	Oral Communications	3
WE 201	Employment Readiness	1
WE 220	Internship	1-4

**MEDICAL ASSISTANT
(CERTIFICATE CODE: 5185)**

Twenty-six and one-half (26.5) units required for the certificate

I. Required courses for the certificate

AHP 070	Administrative Medical Assistant I	4.5
AHP 072	Administrative Medical Assistant II	4.5
AHP 074	Clinical Externship	2
AHP 080	Specimen Collec & Lab Procedures	3.5
AHP 082	Exam Room Procedures	3.5
AHP 084	Pharmacology & Admin of Medicatio	3.5
AHP 086	Clinical Externship II	2
AHP 100	Medical Terminology	3

**MEDICAL OFFICE ASSISTANT
(CERTIFICATE CODE: 5181)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

Fourteen (14) units required for certificate

I. Required Courses for the certificate

AHP 070	Administrative Medical Assistant I	4.5
AHP 072	Administrative Medical Assistant II	4.5
AHP 074	Clinical Externship I	2
AHP 100	Medical Terminology	3

**MULTIMEDIA
(CERTIFICATE CODE: 5510)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

Seventeen (17) units required for certificate

I. Required courses for the certificate

ART 110	Design	3
ART 160	Graphic Design	3
COMM120	Intro to Video & TV Production	3
CIS 122	Desktop Publishing	2
ART/CIS 134	Web Publishing with Dreamweaver I	1
ART/CIS 135	Web Publishing with Dreamweaver II	1
ART/CIS 136	Web Publishing with Dreamweaver III	1

II. Acceptable courses for the certificate (select three units)

CIS 132	Front Page I	1
CIS 133	Front Page II	1
ART/CIS 146	Adobe Photoshop I	1
ART/CIS 147	Adobe Photoshop II	1
ART/CIS 148	Adobe Photoshop III	1
ART/CIS 152	Camtasia Studio	1
ART 165	Design for the Web	3
ART 260	Advertising/Graphic Design	3
COMM 122	Intermediate Video & TV Production	3
CIS 208	Programming in Java	3

**NURSING - VOCATIONAL (VN)
(CERTIFICATE CODE: 5300)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

PRE-ADMISSION REQUIREMENTS

ENGL 101 Reading & Composition 3

Pre-Clinical Requirements

AHP 100 Medical Terminology 3
 BIOL 090 Anat & Physio for Health Occupations 3
 PSY 101 Intro to Psychology 3

Vocational Nursing Requirements

Semester One (1)

VN 110 Intro to Patient Care I 5
 VN 112 Intro to Patient Care II 5
 VN 114 Pharmacology 1.5
 VN 116 Patient Care Management and Critical Thinking 2.5
 PSY 204 Developmental Psychology 3

Semester Two (2)

VN 120 Maternity Cycle 5.5
 VN 122 Common Health Problems I 5.5
 VN 124 Pharmacology II 2

Semester Three (3)

VN 130 Common Health Problems II 5.5
 VN 132 Common Health Problems III 5.5

**PATIENT SERVICES ADMINISTRATION
SPECIALIST
(CERTIFICATE CODE: 5135)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER

Twenty-four (24) units required for the certificate

I. Required Courses for the certificate

AHP 100 Medical Terminology 3
 AHP 102 Medical Insurance 3
 BIOL 090 Anat & Phys for Health Occupations 3
 BUS 010 Practical Accounting 3
 BUS 061 Business English 3
 BUS 134 Mgmt Concepts & Supervision 3
 CIS 101 Intro to Information Systems 3
 CIS 108 Computer Accounting 3

**PHARMACY TECHNICIAN
(CERTIFICATE CODE: 5340)**

Sixteen (16) units required for the certificate

I. Recommended Preparation

AHP 100 Medical Terminology 3
 BIOL 090 Anat & Physiology for Health Occupations 3
 CIS 101 Intro to Information Systems 3
 MATH 080 Beginning Algebra 3

II. Required courses for the certificate

AHP 108 Introduction to Pharmacy Technology 2
 AHP 120 Pharmacy Technician Body Systems I 3
 AHP 125 Pharmacy Technician Body Systems II 3
 AHP 130 Calculation & Pharmacology for Pharmacy Technician 3
 AHP 140 Pharmacy Operations 5

**REHABILITATION TECHNICIAN FOR
THE PHYSICALLY LIMITED
(CERTIFICATE CODE: 5280)**

Eighteen (18) units required for the certificate

I. Required courses for the certificate

CFCS/DSPS 240 Understanding Excep Students 3
 DSPS 242 Practicum Exper to Work with the Disabled Person 2
 PSY 101 Introduction to Psychology 3

II. A minimum of 6 units must be taken from Section II

AHP 060 Health Assistant 5
 AMSL 100 American Sign Language 1 4
 AMSL 102 American Sign Language 2 4
 AMSL 200 American Sign Language 3 3
 AMSL 202 American Sign Language 4 3
 AMSL 204 American Sign Language 5 3
 AMSL 210 Interpreting Amer Sign Lang 1 3
 AMSL 212 Interpreting Amer Sign Lang 2 3

III. Additional units to complete the certificate may be utilized from the courses under Section III

AMSL 104 Fingerspelling and Numbers 3
 AMSL 110 Introduction to Deaf Culture 3
 AMSL 112 Interpreting as a Profession 3
 CFCS/PSY 106 Develop Psych of Children 3
 DSPS 005 Recreation for Special Groups 1
 DSPS 242 Practicum Exper to Work with the Disabled Person 2
 PE 224 PE for Special Olympics 3
 PSY 104 Psych of Adjustment 3
 PSY/ADS 120 Intro to Counselng 3
 PSY/SOC 206 Social Psychology 3
 SOC 101 Introductory Sociology 3
 SOC 102 Contemp Social Problems 3

**WASTEWATER TECHNOLOGY
(CERTIFICATE CODE: 5315)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Fourteen (14) units required for the certificate

I. Required Courses for the certificate

WT 120	Comp Proc for Treat Plant Oper I	3
WT 130	Wastewater Treatment I	4
WT 220	Comp Proc for Treat Plant Oper II	3
WT 230	Wastewater Treatment II	4

**WATER TREATMENT TECHNOLOGY
(CERTIFICATE CODE: 5310)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Fourteen (14) units required for the certificate

I. Required Courses for the certificate

WT 110	Water Treat Plant Oper I	4
WT 120	Comp Proc for Treat Plant Oper I	3
WT 210	Water Treat Plant Oper II	4
WT 220	Comp Proceed for Treat Plant Oper II	3

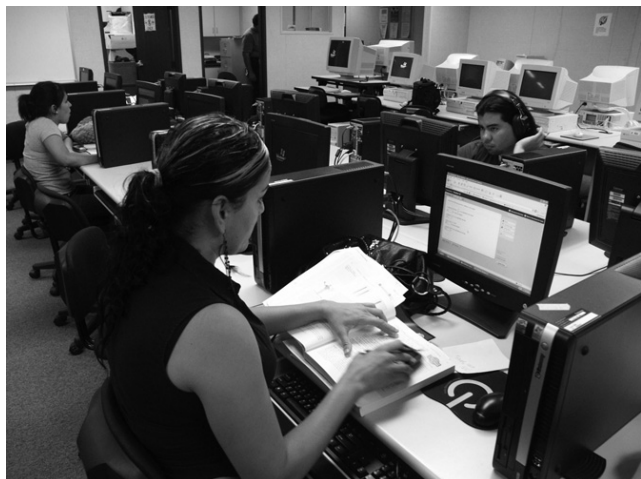
**WELDING TECHNOLOGY
(CERTIFICATE CODE: 5320)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Eighteen (18) units required for this certificate

I. Required Courses for the certificate

WELD 130	Welding Technology	5
WELD 220	Arc Welding Processes	5
WELD 240	Pipe & Structural Welding	5
WELD 250	Welder Qual & Blue Print Reading	3



ADMINISTRATION**BERRY, KATHY**

Vice President for Academic Services
 M.S.N., Clarkson College
 B.S.N., California State University, Dominguez Hills
 A.S., Imperial Valley College

CEASAR, TED

Associate Dean of Disabled Student Programs & Services
 M.S.W., San Diego State University
 B.A., University of Michigan

GREGORY, TRAVIS

Associate Dean of Human Resources/EEO
 M.Ed., Northern Arizona University
 B.S., Northern Arizona University

HUERTA, GONZALO

Dean of Instruction, Applied Sciences
 M.A., Northern Arizona University
 B.S., Northern Arizona University
 A.A.S. Arizona Western College

JAIME, VICTOR

Vice President for Student Services
 Ed.D. Northern Arizona University
 Ed.S. Point Loma Nazarene College
 M.S., San Diego State University
 B.A., University of California, Irvine

LAU, JOHN

Vice President for Business Services
 B.S., San Diego State University

LOPEZ, SERGIO

Associate Dean of Student Affairs, Professor
 M.Ed., University of San Diego
 B.A., San Diego State University
 A.A., Imperial Valley College

MAGNO, JANIS

Dean of Financial Aid and State Programs
 M.S., San Diego State University
 B.A., San Diego State University
 A.A., Imperial Valley College

PAI, PAUL

Superintendent/President
 E.d.D., Nova Southeastern University
 M.S., University of South Carolina
 B.S., University of Tunghai

SILVA, EFRAIN

Dean of Instruction, Extended Campus
 M.B.A., Northern Arizona University
 B.A., San Diego State University
 A.A., Imperial Valley College

WESTERFIELD, KATHIE

Associate Dean of Admissions and Records
 M.B.A., Western Washington University, Washington
 B.S., City University, Washington
 A.A., Skagit Valley College, Washington

YING, ROBIN

Dean of Technology & Learning Services
 Ph.D., UC Berkley
 M.S. Yale University

THE FACULTY**ALVARADO, BEATRIZ**

Counselor, Instructor
 M.A., University of San Diego
 B.A., San Diego State University
 A.A., Imperial Valley College

ARCHULETA, JOE

Professor, Mathematics
 M.A., San Diego State University
 B.S., University of Colorado

ARGÜELLES, TRINIDAD

Counselor, Instructor
 M.A., University of Redlands
 B.A., San Diego State University
 A.A., Imperial Valley College

ARMENTA, CELESTE

Instructor, Nursing
 F.N.P., University of San Diego
 M.S., National University
 B.S., National University

ARTECHI, OLGA

EOPS/CARE Coordinator, Counselor, Professor
 M.A., San Diego State University
 B.A., San Diego State University

AVILA, BEATRIZ

Counselor, Assistant Professor
 M.A., University of Redlands
 B.S., California Polytechnic State University, San Luis Obispo

BARBA, CECILIA

Assistant Professor, History
 J.D., Texas Tech School of Law
 M.A., University of Texas, San Antonio
 B.A., University of Texas, El Paso

BECKLEY, JEFFREY

Assistant Professor, Business
 J.D., University of Washington
 B.A., Idaho State University

BEMIS, ROBERTA

Associate Professor, English
 M.A., Northern Arizona University
 B.A., San Diego State University

BEOPE, FRANCES

Counselor, Professor
 M.S., San Diego State University
 B.A., San Diego State University

BILEY, PATTI

Professor, English
 Ph.D., University of Texas, Austin
 M.A., Southern Illinois University
 B.A., Southern Illinois University

- BLEK, CRAIG**
Assistant Professor, Economics
M.A., University of Delaware
B.A., University of California, Los Angeles
- BYRD, KRISTA**
Assistant Professor, Psychology
Chairperson, Behavioral Science and Social Science
M.A., Northern Arizona University
B.A., San Diego State University
- CAMPOS, GILBERT**
Counselor, Assistant Professor
M.A., University of Redlands
B.A., San Diego State University
- CAÑEZ - SAVALA, SAID**
Counselor, Professor
M.Ed., University of San Diego
B.A., San Diego State University
- CARLSON, C. MARYLYNN**
Professor, Nursing
B.S.N., University of Connecticut
- CARMONA, GLORIA**
Learning Support Specialist, Title V Grant
M.A., United States International University
B.A., San Diego State University
A.A., Imperial Valley College
- CARNES, DENNIS**
Associate Professor, Science
Ph.D., University of California, Riverside
M.S., University of California
A.B., University of California, Berkeley
- CHIEN, ANDREW**
Instructor, Biology
Ph.D., University of Illinois
M.S., Oklahoma State University
M.B.A., California State University, Los Angeles
B.S., Southeast Missouri State University
- CORMIER, JUDY**
Instructor, English (Basic Composition)
M.A., California State University, Long Beach
B.A., California State University, Long Beach
A.A., Golden West College
- CRAVEN, JULIE**
Assistant Professor, English As A Second Language
M.A., United States International University
B.A., San Diego State University
A.A., Fullerton College
- CYPHER, JACKILYN**
Assistant Professor, Emergency Medical Technician-
Paramedic Coordinator
B.S.N., National University
A.S., Imperial Valley College
EMT-P Certificate, Imperial Valley College
- DAVID, SAMUEL**
Assistant Professor, Chemistry
Ph.D., Biochemistry (India)
M.Sc., Biochemistry (India)
- DAVIS, DONNA**
Assistant Professor, Nursing
N.P., San Jose State University
M.S.N., California State University, Dominguez Hills
B.A., Westfield State College
A.S., Imperial Valley College
- DAVIS, LINCOLN**
Instructor, English
M.A., California State University, Los Angeles
B.A., Columbia College, Chicago
- DECKER, VAN**
Assistant Professor, Music
Ph.D., UCSD
B.M., M.M., California State University, Long Beach
A.A., Lansing Community College, Lansing MI
- DEYO, JEFF**
Professor, Exercise Science, Wellness & Sport
M.S., West Virginia University
B.A., Mount Marty College
- DIAZ, DOLORES**
Student Support Services Project Director
Counselor, Professor
M.Ed., University of San Diego
B.A., San Diego State University
- DORANTES, KATHLEEN**
Assistant Professor, English
M.S., Columbia University, New York
M.A., California State University, Fullerton
B.A., McGill University, Montreal
- DRURY, DAVE**
Professor, Chairperson Exercise Science, Wellness & Sport
M.S., Brigham Young University
B.S., University of La Verne
- ESQUEDA, JESUS**
Counselor, Professor
M.A., United States International University
B.A., San Diego State University
- ESQUER, MARIA**
Counselor, Instructor
M.A., Point Loma Nazarene University
B.A., San Diego State University
A.A., Imperial Valley College
- FELIX, MIREYA**
Counselor, Instructor
M.S., National University
B.A., San Diego State University
A.A., Imperial Valley College
- FINNELL, GAYLLA**
Instructor, Political Science
M.P.A., San Diego State University
B.S., San Diego State University
A.A., A.S., Imperial Valley College
- FISCHER, FRED**
Professor, English
Chairperson, Division of English
M.A., Ed.D., Northern Arizona University
M.A., San Francisco State University
B.A., California State University, Chico
- FISHER, JAMES**
Instructor, Chemistry
Ph.D. University of Idaho
B.A., University of Montana
- FITZSIMMONS, RICHARD**
Associate Professor, Nursing
F.N.P., Clarkson College
M.S.N., Madonna University
B.S.N., Madonna University

- FLETES, MYRIAM
Educational Talent Search Project Director
Counselor, Instructor
M.A., University of Redlands
B.A., University of Arizona
- FRISTRUP, CAREY
Outreach Coordinator
M.A., Point Loma Nazarene University
B.A., San Diego State University
- GAGE-MOSHER, RONALD
Assistant Professor, Psychology
Ph.D., Fielding Institute
M.A., Fielding Institute
M.A., San Jose State University
B.A., San Jose State University
- GARCIA, MARTHA
Counselor, Instructor
M.S., National University
B.S., San Diego State University
A.A., Imperial Valley College
- GARCIA, RAQUEL
Instructional Specialist, Assistant Professor
M.A., United States International University
B.A., San Diego State University
- GHANIM, WALID
Assistant Professor, Computer Information Systems
M.A., California State University, Dominguez Hills
B.S., California State University, Dominguez Hills
- GILBERTSON, THOMAS
Assistant Professor, Art
M.F.A., University of Nevada, Las Vegas
M.A., San Jose State University
B.F.A., San Jose State University
- GILISON, DANIEL
Instructor, Biology
Ph.D., Stanford University
B.A., Johns Hopkins University
- GRETZ, SUZANNE
Assistant Professor, History
M.A. California State University, Fullerton
B.A. University of California, Santa Barbara
- GUINN, MELANI
Instructor, Speech and Rhetoric
Chairperson, Division of Humanities
Ph.D., University of California, Berkeley
M.A., University of California, Berkeley
B.A., University of California, Berkeley
- GUZMAN, CESAR
Counselor, Professor
M.S., La Verne College
B.A., Adams State College
- HANSINK, TODD
Professor, Business
M.P.A., Brigham Young University
B.S., Brigham Young University
- HARRIS, DIANE
Assistant Professor, English As A Second Language
M.A., California State University, Fresno
B.A., California State University, Fresno
- HEGARTY, CAROL
Instructor, Art
M.F.A., The Art Institute of Chicago
B.F.A., The Art Institute of Chicago
- HEUMANN, MICHAEL
Distance Education Coordinator
Ph.D., University of California, Riverside
M.A., University of California, Riverside
B.A., University of California, Riverside
- HIGGINS, S. BRENDA
Instructor, Nursing
B.S., National University
A.A., Imperial Valley College
- HORTON, SIDNE
Associate Professor, Exercise Science, Wellness & Sport
M.S., California State Polytechnic University, Pomona
M.A., California State University, Sacramento
B.A., California State University, Long Beach
- JACOBSON, ERIC
Professor, History
M.P.A., California State University, Hayward
B.A., California State University, Hayward
- KALIN, JANEEN
Counselor, Professor
B.A., California Polytechnic State University
M.A., California Polytechnic State University, San Luis Obispo
- KAREVA, KSENIYA
Instructor, English as a Second Language
M.A., Minnesota State University
M.E., Kaluga State Teacher's Training University
B.A., Kaluga State Teacher's Training University
- KELLY, NANNETTE
Professor, Art
Ph.D., The Union Institute
M.A., Southern California School of Theology, Claremont
B.A., California State University, Fullerton
- KNAAK, MANFRED
Instructor, Anthropology
M.A., San Diego State University
B.A., San Diego State College
- LAVERY, RUSSELL
Instructor, Astronomy/Physics
Ph.D., University of Hawaii, Manoa
M.A., University of Hawaii, Manoa
B.S., University of Massachusetts
- LAY, NANCY
Instructor, English
M.A., San Diego State University
B.A., San Diego State University
A.A., Imperial Valley College
- LEE, CAROL
Transfer Center Director
Counselor, Associate Professor
M.S., National University
M.A., San Diego State University
B.A., San Diego State University
- LEHTONEN, ERIC
Instructor, Mathematics
M.A., San Diego State University
B.A., San Diego State University
- LEON, ALLYN
Instructor, Mathematics
M.S., Texas A&M University
B.A., University of California, San Diego

- LOFGREN, MARY
Counselor, Associate Professor
M.A., University of Redlands
B.A., University of Redlands
- LOPEZ, JOSE
Professor, Automotive Technology
A.S., Imperial Valley College
Cert. Auto Tech., Los Angeles Trade Technology
College
Automotive Master Technician Certification
Automotive Factory Training Certification
B.S., Long Beach State University
- LOPEZ, ROSALIE
Upward Bound Project Director
Counselor, Professor
M.Ed., University of San Diego
B.A., San Diego State University
- LOVITT, PAIGE
High Tech Center Specialist, Assistant Professor
M.S., California State University, Fresno
B.A., California State University, Fresno
- LUOMA, CRAIG
Professor, Nursing
B.S.N., Pacific Lutheran University
- MARCUSON, BRUCE
Professor, Administration of Justice
B.A., San Diego State University
A.A., Imperial Valley College
- MARQUEZ, RALPH
Counselor, Professor
M.Ed., University of San Diego
B.A., University of California, San Diego
- MARTINEZ, ANDRES
Instructional Media Designer, ACCESO/Instructor
M.S., National University
B.A., San Diego State University
A.S., Imperial Valley College
- MARTINI, DONALD
Assistant Professor, English
M.A., State University of New York
B.A., Louisiana State University, Baton Rouge
- MARTY, KEVIN
Instructor, Geology
M.S., University of New Orleans
B.S., Central Washington University
- MASON, CHARLES
Instructor, Disabled Student Programs and Services
A.A., Palomar College
- MAZEROLL, LORRAINNE
Counselor, Instructor
M.A., University of Redlands
B.A., San Francisco State University
- McCLAIN, JOHN
Instructor, English As A Second Language
M.A., San Francisco State University
B.A., University of California, Berkeley
- McCORMICK, JOHN
Professor, English
M.A., Northern Arizona University
B.A., California State University, Long Beach
- McNEECE, P. BRIAN
Professor, English
M.Ed., Northern Arizona University
M.A., San Diego State University
B.A., UC San Diego
- MECATE II, JAMES
Associate Professor, Exercise Science, Wellness & Sport
M.S., Brigham Young University
B.S., Brigham Young University
- MEEK, AL
Professor, Nursing
M.S., Fresno State College
B.S., California State Polytechnic College, San Luis Obispo
- MERCADO, MARIA LOURDES
Counselor, Assistant Professor
M.A., Point Loma Nazarene University
B.A., San Diego State University
A.A., Imperial Valley College
- MILLER, FONDA
Assistant Professor, Child, Family, and Consumer Sciences
M.S., Iowa State University
B.A., Otterbein College
- MIRANDA, FRANK
Instructor, Air Conditioning & Heat Ventilation
Contractors State License
- MORRELL, THOMAS
Instructor, Biology
Ph.D., Pennsylvania State University
M.S., University of Nevada
B.S., University of Montana
A.A., Columbia Community College
- MOSIER, LAURA
Instructor, Speech
M.A., San Diego State University
B.A., San Diego State University
A.A., Grossmont Community College
- NAVA, NORMA
Counselor, Professor
M.S., San Diego State University
B.S., San Jose State University
- NILSON, BARBARA
Associate Professor, Mathematics
B.A., San Diego State University
- NUÑEZ, NORMA
Matriculation Director, Professor
M.S., San Diego State University
A.B., San Diego State University
A.A. Imperial Valley College
- ORENSZTEIN, ARMAND
Professor, Mathematics
M.S., University of Illinois
M.A., University of California, Riverside
B.S., University of Illinois
- ORFANOS-WOO, STELLA
Counselor, Professor
M.A., Point Loma Nazarene College
B.A., University of California, Riverside
- ORTEGA, ALICIA
Professor, Spanish and French
M.A., San Diego State University
B.A., San Diego State University
A.A., Imperial Valley College

PACHECO, STEPHAN

Instructor, Philosophy
 M.A., University of California, Riverside
 B.S., University of Oregon

PAGE, BRUCE

Instructor, Speech/Journalism
 M.A., American University
 B.A., University of British Columbia
 A.A., Skagit Valley College

PAINÉ, THOMAS

Associate Professor, Computer Information Systems
 M.S., National University
 B.S., California College of Podiatric Medicine
 B.S., Regents College
 A.S., Grantham College of Engineering

PATTERSON, JAMES

Associate Professor, Speech and Theatre Arts
 Ph.D., The Union Institute
 M.A., Arizona State University
 B.A., Grand Canyon University

PFISTER, TONI

Instructor, Exercise Science/Wellness/Sports
 M.S., California State University, Hayward
 B.A., San Diego State University

PLASCENCIA, JOSE

Counselor, Assistant Professor
 M.S.W., San Diego State University
 B.A., San Diego State University
 A.A., Imperial Valley College
 A.S., Imperial Valley College

POLLOCK-BLEVINS, DIEDRE

Professor, Nursing
 M.S.N., University of Phoenix
 B.S.N., Consortium of California State Universities & Colleges

PRADIS, RICARDO

Assistant Professor, Automotive Technology
 Universal Technical Institute, Phoenix AZ

RAPP, FRANK

Professor, English
 M.A., San Diego State University
 B.A., San Diego State University

RIEHLE, BETSY

Assistant Professor, Mathematics
 B.A., San Diego State University
 A.A., Imperial Valley College

RODGERS, GARY

Professor Administration of Justice, Anthropology & Sociology
 M.S., National University
 B.A., San Diego State University

RODGERS, VALERIE

Professor, Business
 Chairperson, Division of Business
 M.A., Webster University
 B.S., San Diego State University

ROMERO, YOLANDA

CalWORKS Assessment Coordinator
 Counselor, Professor
 M.A., United States International University
 B.A., San Diego State University
 A.A., Imperial Valley College

ROWLEY, DEIRDRE

Instructor, English
 M.A., Northeastern University
 B.A., University of New Hampshire

RUIZ, ANGIE

Associate Professor, Business
 M.A., California State University, San Bernardino
 B.A., Loma Linda University
 A.A., Imperial Valley College

RUIZ, JOSE

Instructor, Spanish
 Ph.D., University of California, San Diego
 M.A., San Diego State University
 B.A., San Diego State University

SANCHEZ, ROMANO

Instructor, Spanish
 M.A., University of California, San Diego
 B.A., University of California, San Diego

SANDOVAL, LILIA

Counselor, Assistant Professor
 M.A., Point Loma Nazarene University
 B.S., San Diego State University
 A.S., Imperial Valley College

SANTISTEVAN, JUDY

Associate Professor, Business
 M.A., Webster University
 B.A., San Diego State University
 A.A., Imperial Valley College

SCHEUERELL, EDWARD

Associate Professor, English
 M.A., University of Illinois
 M.A., (Spanish) University of Illinois
 B.A., University of Illinois

SEIVERTSON, BRUCE

Instructor, Geography
 Ph.D., University of Arizona
 M.A., California State University, Chico
 B.A., California State University, Chico

SHEPPARD, DAVID

Instructor, Child, Family, and Consumer Sciences
 M.S., San Diego State University
 B.S., Cal State University Fullerton

SHOKOUFI, MARDJAN

Assistant Professor, Mathematics
 M.S., San Diego State University
 B.S., California State University, Northridge

SIMPSON, SCOTT

Assistant Professor, English As A Second Language
 M.A., University of Illinois
 M.A., Michigan State University
 B.A., University of Maine

STATON, ROBIN

Assistant Professor, Psychology
 M.A., West Virginia University
 B.A., University of Charleston

STROUD, V. JEAN

Professor, Nursing

M.S., San Diego State University

B.A., San Diego State University

B.S.N., Consortium of California State Universities & Colleges

R.N., Imperial Valley College

A.S., Imperial Valley College

THIBODEAUX, MARIAELENA

Associate Professor, Emergency Medical Technician

B.S., Emergency Medical Care, Loma Linda

University

A.S., EMT-P Certificate, Imperial Valley College

A.S., Miramar College

A.S., RN, Excelsior College

THORESEN, JOSEFINA P.

Professor, English As A Second Language

M.A., Northern Arizona University

B.A., San Diego State University

A.A., Imperial Valley College

TUCKER, JILL

Assistant Professor, Exercise Science

M.A., Grand Canyon University

B.A., Eastern New Mexico University

VOLDMAN, ALEKSANDR

Assistant Professor, Mathematics

Ed.D., Kishinev Math Institute

M.S., San Bernardino University

B.S., Northeastern University

WAINWRIGHT, MARY JO

Instructor, History

M.A., California State University, Hayward

B.A., University of California, Berkeley

A.A., Chabot College

WHITE, KEVIN

Instructor, Political Science

M.A., San Diego State University

B.A., San Diego State University

WILLIAMS, JACK

Instructor, Nursing

M.S., University of Phoenix

B.S., National University

A.S., Imperial Valley College

ZHAO, LIANNA

Associate Professor, Science

Chairperson, Division of Science, Math, and Engineering

M.D., Capital Institute of Medicine

M.S., Northeast Louisiana University

ZIELINSKI, DAVID

Professor, English

Chairperson, English

M.A., San Diego State University

B.MSC., University of Metaphysics

A.B., San Diego State University

ZOBELL, SHERRY

Associate Professor, Mathematics

M.S., Montana State University

B.S., Brigham Young University

B.S., Weber State University

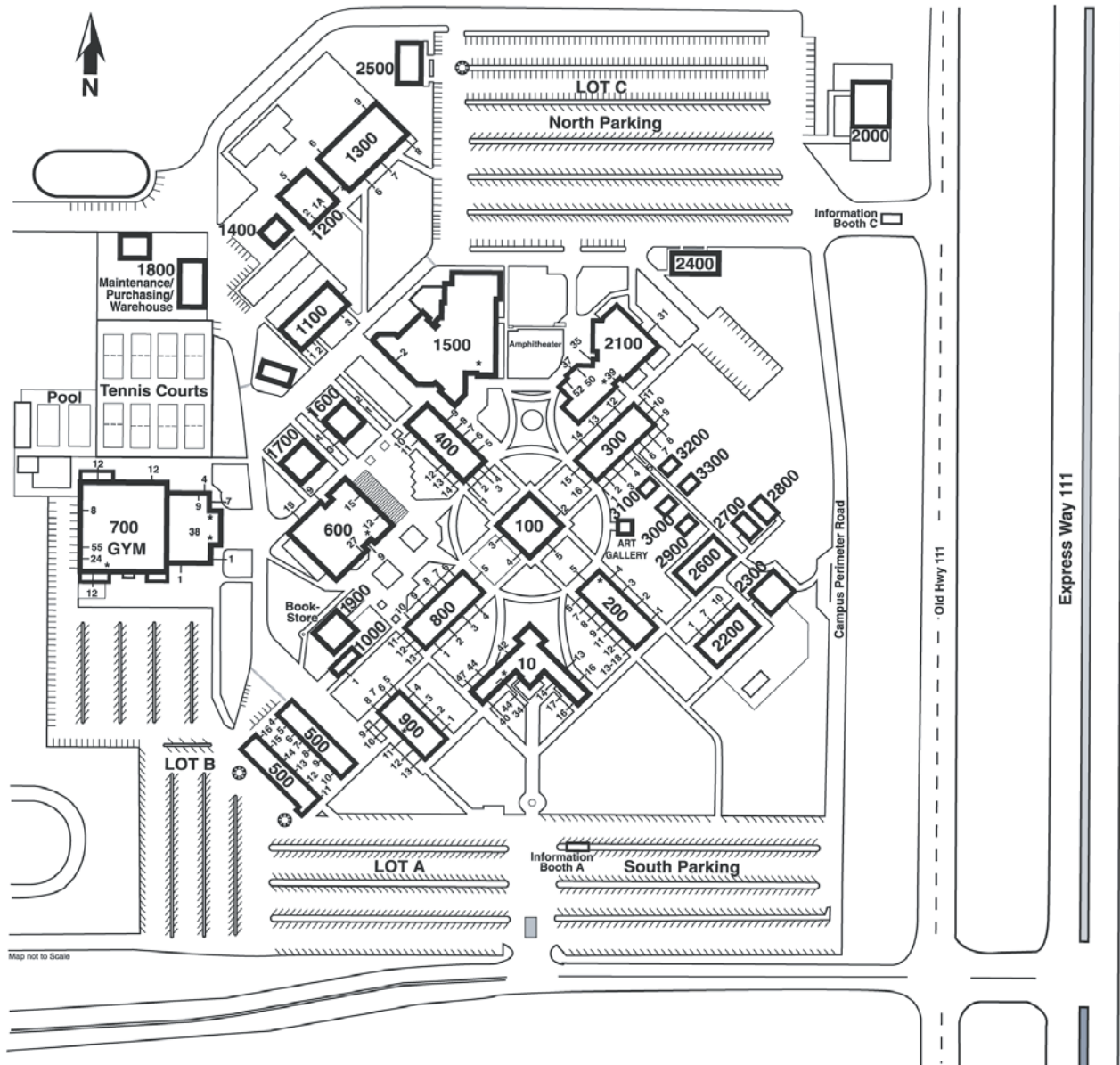
EMERITUS FACULTY

AKERS, H. RUSSELL Physically Limited 1973-1987	FARRIER, PAUL History 1970-1994	KELSOE, LEON History & Exercise Science 1970-2003	PAULSON, CLARENCE † Business 1960-1988	STONE, JAMES Mathematics/Music 1966-1986
ALBERDA, STANLEY Dean of Learning Services 1969-1993	FIELDS, MAX Health Educ./Physical Educ. 1969-1994	KNOWLTON, ROGER Mathematics 1976-1999	PENDLEY, J.R. Science 1967-2003	STUART, BARBARA English 1990-2007
ANDERSON, LESLIE Law Enforcement 1967-1983	FINLEY, LUTHER † Engineering 1960-1981	KOSKI, RAUHA K. † Nursing 1974-1981	PERSKE, GERALD Science 1960-1994	SUCZEK, PETER Psychology and Sociology 1974-2005
ARAGON, RAUL Counselor, Professor 1973-2006	FINNEY, DEE † Physical Education 1967-1981	LANFORD, CONWAY Counseling 1970-1984	PETERSON, AVIS Nursing 1984-1991	SWANN, MARIE † English 1964-1980
BACON, JEANNE Physically Limited 1973-1985	FUESLER, JACK † Music 1964-1989	LARSSON, HAROLD Astronomy 1966-1984	RAULSTON, JEAN † English 1977-1994	THOMPSON, BLAINE Business 1962-1999
BANKS, STANLEY † Sociology 1966-1987	GALAMGAM, ADELE † Assistant Librarian 1965-1994	LEGARRA, STANLEY Health Educ./Physical Educ. 1974-1992	RICE, PAULINE BENOIT † Foreign Language/Humanities 1963-1988	THORNBURG, WILLIAM VP for Business Services 1967-1990
BARKALOW, N.C. † Law Enforcement 1974-1981	GARTIN, HERBERT † Psychology 1966-1978	LEONARD, THOMAS † Psychology 1964-1972	RICHARDS-CROFT, DONNA LEA Business 1998-2005	TOPPER, IRENE † Nursing 1976-1984
BARKER, MICHAEL † Anthropology 1968-1979	GENTRY, GLENN A. † Work Experience 1967-1981	LEPTICH, DEAN Speech 1965-1996	RICHWINE, HAROLD Chemistry/Physical Ed 1960-1999	UPSON, JOHN † English 1966-1977
BILLINGS, LANELLE Business 1974-1999	GERARD, ROBERT † Coord., Special Populations 1988-1993	LEWIS, STANLEY H. Ag/Heavy Equip. Mech. 1969-1983	RODDEN, ROSE † Health Education 1974-1986	VALENTINE, BARBARA Early Childhood Education 1978-1999
BILLINGS, ROBERT C. Physical Ed, Auto Tech 1968-1999	GRANADOS, ESTHER Business 1990-1999	LOPEZ, HECTOR VP/Stu Svcs/Deputy Supt 1970-1999	RUDOLPH, WILLIAM † Dean of Vocational Education 1964-1993	VALENTINE, MARTIN English 1976-2003
BORCHARD, MARY KAY Professor, Administration of Justice P.O.S.T. Coordinator 1983-2006	GREVATT, JAMES Counseling 1975-1996	LOPEZ, RUEBEN O. Dean of Extended Campus 1974-2001	SAMSON, WALTER † History 1963-1982	VON WERLHOF, JAY Anthropology/Social Science 1973-1991
BRUNGARDT, MARTHA † Nursing 1972-1985	GRIFFIN, WILLIAM † Business 1961-1992	LOWE, JUANITA Art 1961-1990	SAMUELS, CARMEN Nursing 1971-1981	WALKER, JAMES D. VP/Academic Services/Deputy Superintendent 1969-1996
BUCKEL, EILEEN Dean of Learning Services 1993-2005	HANN, CAROL Professor, English 1975-2006	MARKS, BETTY Nursing 1984-2000	SANTOS, RAFAEL † Business 1975-1999	WASSON, HENRY Math/Science 1962-1994
BERNARD, WILLIS C. Art 1969-1988	HANN, RICHARD Humanities 1967-2003	MACCI, BARBARA Dean of Voc Ed 1976-1996	SAXE, ELLEN Nursing 1981-1990	WEISSMAN, HARRY English 1969-1980
CERDA, DANIEL English 1974-2003	HEBERT, ROGER Physical Education 1968-1994	MELLINGER, ELWOOD Agriculture 1961-1989	SECHRIST, WILLIAM † VP/Bus Svcs/Deputy Supt 1990-1998	WELCH, T. LARRY Librarian 1994-2004
CERDA, ERNESTINE English 1974-2003	HILLHOUSE, ROSANNE English 1963-1999	MONTENEGRO, JEAN English, ESL, and Exercise Science, Wellness & Sport 1966-2000	SMITH, MARY M. English 1975-1996	WENDRICK, MARY English 1990-1999
CHAMPAGNE, PHILIP Welding 1971-1989	HINSHAW, JOHN † Mathematics 1942-1973	MOORE, ERNEST † Business 1970-1978	SMITH, MELVIN † Disabled Student Programs 1990-2003	WENDRICK, MEL Director of DSP&S 1973-1999
DePAOLI, JOHN A. † Superintendent/President 1965-1995	HUGHES, MERRLYNN Nursing 1986-1997	MOORE, ROBERT Business 1970-1988	SPEER, WILLIAM † English 1961-1987	WHITE, HOWARD † Law Enforcement 1969-1979
DOMINGUEZ, GILBERT Superintendent/President 1996-2002	JACKLICH, JOEL Professor, Music 1989-2006	NADEAU, NANCY English Instructor 1975-2002	SPENCER, TERREL † Superintendent/President 1963-1978	WHITE, RAY Automotive Technology 1964-1998
DUFF, JACK Counseling 1981-1985	JERGE, MICHAEL Business, Economics 1967-1999	NOVAK, RUTH † Dean of Counseling 1958-1972	STANDIFORD, SANDRA Counseling, Dean of Admissions 1967-2003	WILHELM, ROBERT Geography & Political Science 1970-2003
FARRAR, LLOYD † History 1968-1992	JONES, SHIRLEY Counseling 1982-1999	OVERMAN, RUTH † Business 1965-1981	STEARNS, HAROLD Speech 1973-1986	WILLIAMS, RICHARD † Psychology 1974-1999
				WILSON, PATRICIA English 1970-1991

† Deceased

IMPERIAL VALLEY COLLEGE

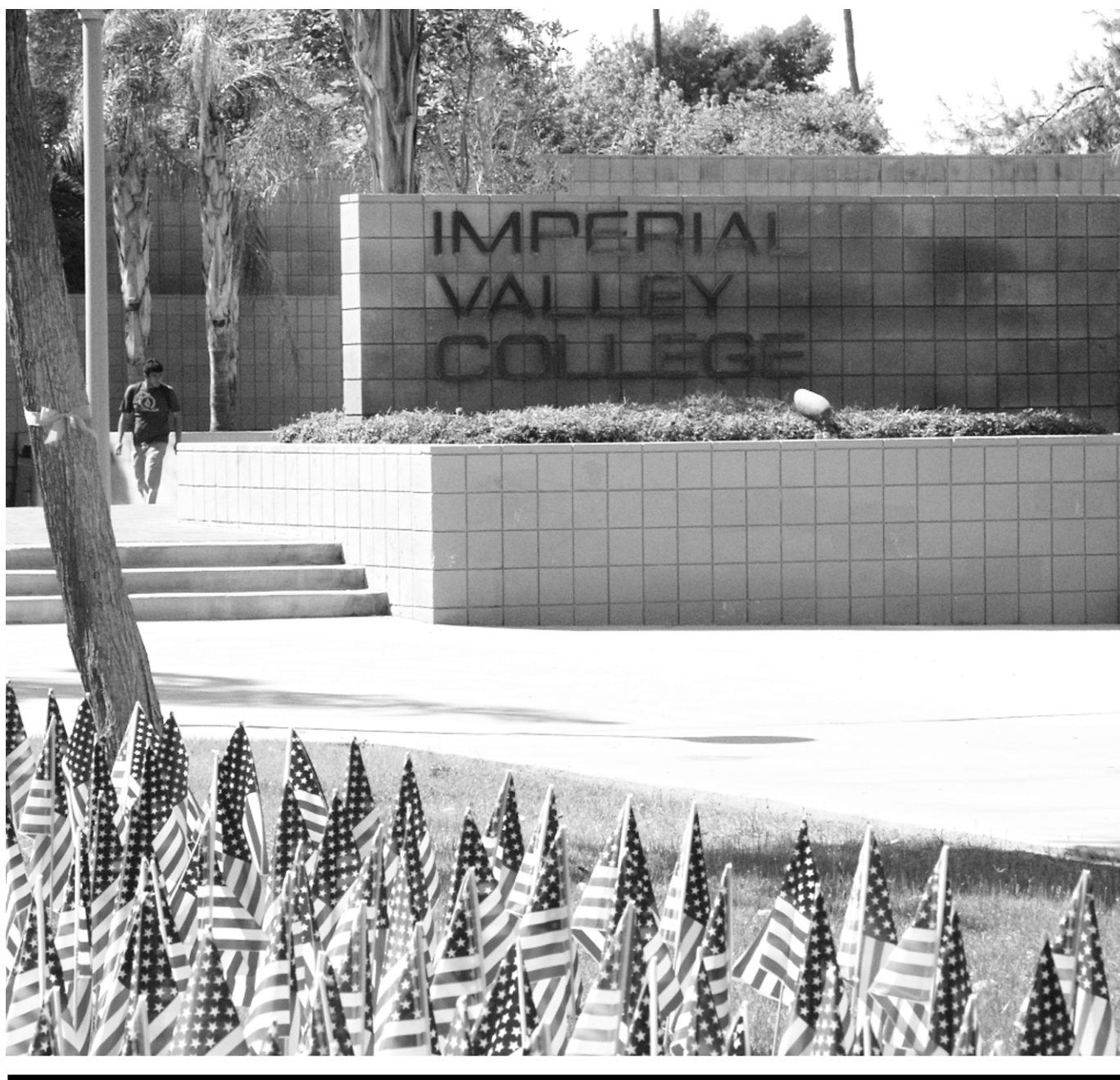
Campus Map & Directory



10 Administration	800 Business	1700 Workforce Development Cntr	2600 Reading/Writing/Language Lab
100 Counseling/Financial Aid	900 Meyer Business Building	1800 Maintenance/Warehouse	2700 Offices -Temporary Building
200 Social Sciences/English	1000 Student Affairs Office	1900 Bookstore	2800 Science Lab -Temporary Building
300 Fine Arts	1100 Auto Tech	2000 Test Ctr/Tal Srch/Up Bd	2900 Classroom - Temporary Building
400 Natural Science	1200 Welding	2100 Health Sci/Disabled Student	3000 Classroom - Temporary Building
500 English/Math/ Reprographics/Parking	1300 Auto Tech/Humanities	2200 Preschool	3100 Classroom - Temporary Building
600 College Center	1400 Tool Storage	2300 Infant Toddler Center	3200 Offices -Temporary Building
700 Gymnasium	1500 Library Media Center	2400 Human Resources	3300 Imperial County Office of Ed.
	1600 Technology Center	2500 Math Lab Center	⊙ Parking/Day Pass
			* Restroom

11/03/06





The 2007-2008 Imperial Valley College Catalog, with planning from the Instruction Office, assisted by the Counseling Department and the Business Department, was produced by the Imperial Valley College Reprographics Department. Printed by Advanced Web Offset, Vista, CA.

NOTES:

.....

Your



Since 1964

Supporting Education With Excellence

FOUNDATION

Helping IVC Students, Faculty, and Staff

Through Fundraising Activities - Providing Scholarships
Allocating Grants - Assisting With Special Campus Projects



Imperial Valley College Foundation, Post Office Box 158, Imperial, California 92251-0158

760.355.6113 www.imperial.edu

THE FOUNDATION MISSION

To develop community resources to enhance educational opportunities for
students of Imperial Valley College