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.
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

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

KATHY BERRY
Vice President for Academic Services

KATHIE WESTERFIELD
Dean of Admissions and Records

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

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

JOHN LAU
Vice President for Business Services

TED CEASAR
Associate Dean of Disabled Student Programs & Services

GONZALO HUERTA
Dean of Instruction, Applied Sciences

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

JANIS L. MAGNO
Dean of Financial Aid and State Programs

SERGIO LOPEZ
Associate Dean of Student Affairs

EFRAIN SILVA
Dean of Instruction, Extended Campus

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

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August</td>
<td>17</td>
<td>Friday</td>
<td>Orientation (Non-Instructional Service Day)</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Monday</td>
<td>Fall Semester Begins</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>Saturday</td>
<td>First Day of Saturday Classes</td>
</tr>
<tr>
<td>September</td>
<td>3</td>
<td>Monday</td>
<td>Holiday (Labor Day)</td>
</tr>
<tr>
<td>November</td>
<td>12</td>
<td>Monday</td>
<td>Holiday (Veterans Day)</td>
</tr>
<tr>
<td></td>
<td>22-24</td>
<td>Thursday-Saturday</td>
<td>Recess (Thanksgiving)</td>
</tr>
<tr>
<td>December</td>
<td>3-8</td>
<td>Monday-Saturday</td>
<td>Final Exams</td>
</tr>
<tr>
<td></td>
<td>10-14</td>
<td>Monday-Friday</td>
<td>No Classes - Campus Open</td>
</tr>
<tr>
<td></td>
<td>17-31</td>
<td>Campus Closed</td>
<td>Winter Recess</td>
</tr>
</tbody>
</table>

#### 2008

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>1</td>
<td>Tuesday</td>
<td>Holiday (New Year's Day)/Last Day of Winter Recess</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Thursday</td>
<td>Winter Intersession Begins</td>
</tr>
<tr>
<td></td>
<td>21</td>
<td>Monday</td>
<td>Holiday (Martin Luther King's Birthday)</td>
</tr>
<tr>
<td>February</td>
<td>5</td>
<td>Tuesday</td>
<td>Winter Intersession Ends/Final Exams</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Friday</td>
<td>Holiday (Abraham Lincoln's Birthday)</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Monday</td>
<td>Spring Semester Begins</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Saturday</td>
<td>First Day of Saturday Classes</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>Monday</td>
<td>Holiday (President's Day)</td>
</tr>
<tr>
<td>March</td>
<td>23</td>
<td>Sunday</td>
<td>Easter</td>
</tr>
<tr>
<td></td>
<td>24-29</td>
<td>Monday-Saturday</td>
<td>Spring Recess</td>
</tr>
<tr>
<td>May</td>
<td>26</td>
<td>Monday</td>
<td>Holiday (Memorial Day)</td>
</tr>
<tr>
<td>June</td>
<td>2</td>
<td>Monday</td>
<td>Final Exams Begin</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Friday</td>
<td>Final Exams End</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Saturday</td>
<td>Graduation (Non-Instructional Service Day)</td>
</tr>
</tbody>
</table>
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 Heath Sciences Program and the Disabled Students Program and Services. The Heath 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 Officer 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 BIO 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

**SECOND SEMESTER:**
NURS 231 Nursing Process & Application III ............ 8.5
NURS 211 Nursing Skills Lab III ............................... 1

**THIRD SEMESTER:**
NURS 240 Nursing Process & Application IV ............. 8.5
NURS 221 Nursing Skills Lab IV ............................... 1
NURS 230 Nursing Trends ....................................... 1

**FOURTH SEMESTER:**
NURS 202 Psychiatric Nursing Application .............. 1.5
NURS 200 Psychiatric Nursing ................................ 2.5

**SUMMER/WINTER SESSION**:
NURS 121 Nursing Skills Lab II ................................ 1

**SECOND SEMESTER:**
NURS 230 Nursing Trends ....................................... 1

**SUMMER/WINTER SESSION**:
NURS 121 Nursing Skills Lab II ................................ 1

**SECOND SEMESTER:**
NURS 230 Nursing Trends ....................................... 1

Second, 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.sdsebackground.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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>Reading &amp; Composition</td>
<td>3</td>
</tr>
<tr>
<td>BIO 220</td>
<td>General Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 200</td>
<td>Human Anatomy &amp; Physiology Pt. 1</td>
<td>4</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 202</td>
<td>Human Anatomy &amp; Physiology Pt. 2</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 204</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 206</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

Pre-admission requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Fulfillment of Math Competency*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fulfillment of Reading Competency*</td>
<td></td>
</tr>
</tbody>
</table>

*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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 100</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>American Institutions Requirement</td>
<td>3-6</td>
</tr>
<tr>
<td></td>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>PE 100</td>
<td>Lifetime Exercise Science</td>
<td>2</td>
</tr>
<tr>
<td>PE</td>
<td>Activity Course</td>
<td>1</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 231</td>
<td>Nursing Process &amp; Application III</td>
<td>8.5</td>
</tr>
<tr>
<td></td>
<td>(Combined theory/clinical)</td>
<td></td>
</tr>
<tr>
<td>NURS 211</td>
<td>Nursing Skills Lab III</td>
<td>1</td>
</tr>
</tbody>
</table>
| Summer/Winter Session:
| NURS 200  | Psychiatric Nursing                        | 2.5   |
| NURS 202  | Psychiatric Nursing Application            | 1.5   |

Fourth Semester:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 241</td>
<td>Nursing Process &amp; Application IV</td>
<td>8.5</td>
</tr>
<tr>
<td></td>
<td>(Combined theory/clinical)</td>
<td></td>
</tr>
<tr>
<td>NURS 221</td>
<td>Nursing Process IV</td>
<td>1</td>
</tr>
<tr>
<td>NURS 230</td>
<td>Nursing Trends</td>
<td>1</td>
</tr>
</tbody>
</table>
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.sdnebackground.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:

- 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 are not eligible for the degree under this option.

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.sdnebackground.com. The minimum fee is $65.00.

12. Work Experience

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

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment Fee*</td>
<td>$20.00 per Unit</td>
</tr>
<tr>
<td>Foreign and Non-Resident Tuition*</td>
<td>$173.00 per Unit</td>
</tr>
<tr>
<td>Student Representation Fee</td>
<td>$1.00 per Term</td>
</tr>
<tr>
<td>Student Health Fee</td>
<td></td>
</tr>
<tr>
<td>Fall/Spring</td>
<td>$14.00 per Term</td>
</tr>
<tr>
<td>Winter/Summer</td>
<td>$11.00 per Term</td>
</tr>
<tr>
<td>Parking Fee#</td>
<td></td>
</tr>
<tr>
<td>Fall/Spring</td>
<td>$20.00 per vehicle</td>
</tr>
<tr>
<td>Winter/Summer</td>
<td>$15.00 ea. add’l vehicle</td>
</tr>
<tr>
<td></td>
<td>$10.00 per vehicle</td>
</tr>
<tr>
<td></td>
<td>$7.00 ea. add’l vehicle</td>
</tr>
</tbody>
</table>

*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.

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. 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 Artechi 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/she maintained 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 parent’s 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 granted 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 returns, if he/she has sufficient income to have a personal income tax liability.

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. Exceptions 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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points per Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
</tr>
<tr>
<td>F</td>
<td>0</td>
</tr>
<tr>
<td>CR</td>
<td>0</td>
</tr>
<tr>
<td>NC</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>0</td>
</tr>
<tr>
<td>IP</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>0</td>
</tr>
</tbody>
</table>

Students 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.)
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 Table

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score</th>
<th>Credit Allowed Toward IVC Associate Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Art Studio</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>General</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Drawing</td>
<td>3,4,5</td>
<td>Four (4) semester units</td>
</tr>
<tr>
<td>Biology</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Economics</td>
<td>3,4,5</td>
<td>Three (3) semester units</td>
</tr>
<tr>
<td>Macro</td>
<td>3,4,5</td>
<td>Three (3) semester units</td>
</tr>
<tr>
<td>Micro</td>
<td>3,4,5</td>
<td>Three (3) semester units</td>
</tr>
<tr>
<td>English</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Lang &amp; Comp</td>
<td>3,4,5</td>
<td>Three (3) Semester Units</td>
</tr>
<tr>
<td>Lang &amp; Comp</td>
<td>5</td>
<td>Six (6) Semester Units</td>
</tr>
<tr>
<td>Comp &amp; Lit</td>
<td>3,4,5</td>
<td>Three (3) Semester Units</td>
</tr>
<tr>
<td>Com &amp; Lit</td>
<td>5</td>
<td>Six (6) Semester Units</td>
</tr>
<tr>
<td>French Language</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>History</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>American</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>European</td>
<td>3,4,5</td>
<td>Three (3) semester units</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3,4,5</td>
<td>Five (5) semester units</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Calculus AB &amp; BC</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Statistics</td>
<td>3,4,5</td>
<td>Three (3) semester units</td>
</tr>
<tr>
<td>Music</td>
<td>3,4,5</td>
<td>Five (5) semester units</td>
</tr>
<tr>
<td>Music-Learning/Lit</td>
<td>3,4,5</td>
<td>Three (3) semester units</td>
</tr>
<tr>
<td>Physics B</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>C (Mech)</td>
<td>3,4,5</td>
<td>Five (5) semester units</td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
<td>Five (5) semester units</td>
</tr>
<tr>
<td>Gov/Pol Am</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Gov/Pol Comp</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Gov/Pol Am &amp; Comp</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
<tr>
<td>Psychology</td>
<td>3,4,5</td>
<td>Three (3) semester units</td>
</tr>
<tr>
<td>Spanish Lang</td>
<td>3,4,5</td>
<td>Six (6) semester units</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>If Complaint is About</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty</td>
<td>Division Chair/Associate Dean/ Dean</td>
</tr>
<tr>
<td>Division Chair</td>
<td>Vice President for Academic Services</td>
</tr>
<tr>
<td>Administrator</td>
<td>Dean/Vice President or President</td>
</tr>
<tr>
<td>Another Student</td>
<td>Associate Dean of Student Affairs</td>
</tr>
</tbody>
</table>

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

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 educational 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 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. LANGUAGE AND RATIONALITY

1. English Composition (3 units required)
   (with a grade of “C” or better)
   ENGL 101 Reading & Composition 3
## C. HUMANITIES (3 units required)

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

### +Ethnic Study Courses

## D. SOCIAL AND BEHAVIORAL SCIENCES (3 units required)

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

## 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)

   (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 (3)  *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)
   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)  *HIST 131 (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)
   *HIST 100 (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.
      **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)
   - ANTH 214 (3)
   - ART 100 (3)
   - ART 102 (3)
   - ART 104 (3)
   - ART 106 (3)
   - **MUS 100 (3)**
   - MUS 102 (3)

   **HUMANITIES COURSES**
   - **AMSL 102 (4)**
   - AMSL 200 (3)
   - AMSL 202 (3)
   - **ENGL 102 (3)**
   - **ENGL 122 (3)**
   - **ENGL 220 (3)**
   - **ENGL 221 (3)**
   - **ENGL 222 (3)**
   - **ENGL 223 (3)**
   - **ENGL 224 (3)**
   - **ENGL 225 (3)**
   - **ENGL 228 (3)**
   - **ENGL 260 (3)**
   - **ENGL/SPAN 260 (3)**
   - **ENGL 270 (3)**
   - **FREN 110 (5)**

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

   - ADS/SOC 150 (3)
   - ANTH 102 (3)
   - ANTH 104 (3)
   - ANTH 106 (3)
   - ANTH 108 (3)
   - **CFCS/PSY 106 (3)**
   - **ECON 101 (3)**
   - ECON 102 (3)
   - **GEOG 100 (L) (3)**
   - **GEOG 102 (3)**
   - **GEOG 104 (3)**
   - HIST 100 (3)
   - **HIST 101 (3)**
   - **HIST 104 (3)**
   - **HIST 110 (3)**
   - **HIST 111 (3)**
   - **HIST 120 (3)**
   - **HIST 121 (3)**
   - **HIST 130 (3)**
   - **HIST 131 (3)**
   - **HIST 132 (3)**
   - **HIST 140 (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)
   - ASTR 100 (3)
   - **CHEM 100 (L) (4)**
   - **CHEM 140 (L) (4)**
   - **CHEM 200 (L) (5)**
   - **CHEM 202 (L) (5)**
   - **CHEM 204 (L) (5)**
   - **CHEM 206 (L) (5)**

   **BIOLOGICAL SCIENCE COURSES**
   - AG 170 (L)
   - ANTH 100 (3)
   - **BIOL 100 (L) (4)**
   - **BIOL 120 (L) (4)**
   - **BIOL 122 (L) (4)**
   - **BIOL 140 (3)**
   - **BIOL 150 (3)**
   - **BIOL 180 (L) (4)**

   - **FREN 200 (3)**
   - **FREN 210 (4)**
   - **FREN 220 (4)**
   - **HIST 100 (3)**
   - **HIST 101 (3)**
   - **HIST 110 (3)**
   - **HIST 111 (3)**
   - **HIST 200 (3)**
   - **HIST 210 (4)**
   - **HIST 220 (3)**
   - **HIST 222 (3)**
   - **HIST 223 (3)**
   - **HIST 224 (3)**
   - **HIST 225 (3)**
   - **HIST 228 (3)**
   - **HUM 100 (3)**
   - **PHIL 100 (3)**
   - **PHIL 104 (3)**
   - **PHIL 108 (3)**
   - **SPAN 111 (2.5)**
   - **SPAN 112 (2.5)**
   - **SPAN 200 (5)**
   - **SPAN 210 (5)**
   - **SPAN 220 (5)**
   - **SPAN 221 (5)**
   - **SPAN 225 (3)**
   - **SPAN 262 (3)**
   - **SPAN 111 (2.5)**
   - **SPAN 112 (2.5)**
   - **SPAN 200 (5)**
   - **SPAN 210 (5)**
   - **SPAN 220 (5)**
   - **SPAN 221 (5)**
   - **SPAN 225 (3)**
   - **SPAN 262 (3)**
   - **SPAN 111 (2.5)**
   - **SPAN 112 (2.5)**
   - **SPAN 200 (5)**
   - **SPAN 210 (5)**
   - **SPAN 220 (5)**
   - **SPAN 221 (5)**
   - **SPAN 225 (3)**
   - **SPAN 262 (3)**
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) *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 continue 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 invaluables 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 inscribirá 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 el colegio. Los servicios de la escuela de una escuela de una escuela 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, personas con discapacidades visuales, de oído, habla, ortopedicas, problemas de aprendizaje, psicologicos, 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.

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 estudiantes 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 al 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.

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 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, psicologicos, 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 Filosofia 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 previo 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:
  - Otoño/Primavera: $14.00 por semestre
  - Invierno/Verano: $11.00 por semestre
- Cuota por el permiso de estacionamiento#:
  - Otoño/Primavera: $20.00 por vehículo
  - Vehículo Adicional: $15.00 por vehículo
- Invierno/Verano:
  - Vehículo Adicional: $10.00
  - Vehículo 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 matricula 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 inscripción a todo estudiante por cada semestre que se inscribe.

**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 Comision on Recognition of Postsecondary Accreditation y U.S. Departament 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 officina de el Superintendent/President.
SERVICIOS DE ASESORAMIENTO ACADÉMICO
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

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 exámen. 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 bilíngues 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 ACADÉMICO
El colegio requiere que todo estudiante que planea inscribirse en una clase de lectura, escritura, o matemáticas, tome los exámenes de ubicación para determinar su nivel académico en dichas áreas, 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 cuál 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 or 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 confirmarse 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. Habrá 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 crea que están equivocados o perdiéndose. Los estudiantes pueden solicitar al Colegio la enmienda del expediente académico que ellos consideran 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 qué esto está 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 contenido 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 comités 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 periodo 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 apegación 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 Artechi, P.O. Box 158, Imperial, CA 92251, (760) 352-8320, Ext. 289 o 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 reuna los requisitos de cierto programa especial.

Toda persona inscrita o que este solitando 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 esta 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 considera 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 a 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 al 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 pue de 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 matrículación 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 periodo 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 esté 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 exacto; y que no se hagan cambios al archivarse 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 entregarán 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 deseen la calificación de “CR” deberán notificarlo al maestro dentro de la sexta semana del semestre:

   a. La calificación de “CR” refleja una calificación de “C” o más 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 será 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 mayor deben 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 mas bajo del que ya tomó en la misma área. Por ejemplo: Un estudiante no debe inscribirse en Inglés 101 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 Peticion Para Repetir la Clase y aprobará la petición del estudiante para que la calificación, unidades, y los puntos de la clase original no se utilizan 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 examen será de $20.00 dólares por unidad mas $10.00 dólares de costos administrativos. La forma de petición para créditos por medio de un examen 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 participar en este programa deberán hacer los arreglos necesarios con sus escuelas, y deberán indicar en el momento que tomen el examen que desean que sus calificaciones sean enviadas al Colegio del Valle Imperial. Para obtener 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 página 45 para información más detallada.
9. **Credito Otorgado por medio de Programas y Cursos de Ocupación Regional**

**Poliza:**
El Colegio del Valle Imperial otorga credito 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 credito 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 minima 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 credito 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 seccion en Ingles 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 reevaluar materias de enfermería que ha tomado durante los pasados cinco años. Las 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. **Credito Otorgado a 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 usarse 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 que 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 busca 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 deberan de ser alentados a desarrollar una opinion crítica y de ejercitar sus derechos de investigación y expresión de manera responsable y sin violencia.

Los estudiantes deberan de asumirse a la obligación de conducirse de manera compatible con la función educacional. Los estudiantes deberan de observar el reglamento del Colegio y deberan 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 esten presentes, es propensa a las siguientes acciones disciplinarias, pero no limitadas a las siguientes:

(1) Desobediencia mal intencionada hacia oficiales del Colegio desenvolviendo sus deberes.

(2) Violación al reglamento del Colegio; incluyendo el 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) Falcificación, 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 obcena, desordenada e indecente.

(10) Asalto o amenaza directa hacia un miembro del Colegio o visitante.

(11) Fabricar ilicitamente, distribuir, dispensar, posesión o uso de substancias 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 armur) 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 culquer 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 sí mismos o de motor, que no pertenescan al distrito, con la excepción de sillas de ruedas, no son permitidos en las aceras y canchas de juego.

PERIODO DE PRUEBA ACADÉMICA

El Período de Prueba Académica (Academic Probation) es un sistema que se utiliza para identificar el progreso del estudiante que está experimentado alguna dificultad en progresar en su programa de estudio, y a la misma vez ofrece asistencia al estudiante para reevaluar objetivos académicos y asesoria 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 Periodo 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 Escolastica (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 porciento 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 porciento 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, quien es la persona designada para coordinar el procedimiento de audiencia.

ASISTENCIA Y RETIRO DE CLASE
AUTOMÁTICAMENTE
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 departe 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 departe 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 Inscripciones (Registration Office) para seguir los procedimientos apropiados. (Ver “Calificaciones de Retiro de Clases”)

EXPULSIÓN ACADÉMICA
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 sera 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 continue 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 pruebas 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).
IMPERIAL VALLEY COLLEGE
GENERAL CATALOG 2007 - 2008

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 vetarinos 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 tennis, pantalón corto, patrones de entrenamiento, camiseta u otros artículos similares para actividad rigorsa.

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 matriculación con la condición que mantenga su estado de inscripción continuo durante cada semestre (excluyendo las sesiones de inverno y verano).

GRADUACION

Titulo de Profesional Asociado

Llenandose los siguientes requisitos, los estudiantes del colegio recibirán el diploma de Asociado en Filosofias y Letras (A.A.) o Asociado en Ciencias (A.S.), dependiendo en su área 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.

50
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.

CURRICULUM VOCACIONAL/OCUPACIONAL (CIENCIAS APLICADAS)

El Colegio del Valle Imperial a 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 cuales 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.
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 limitations on enrollment. 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 prerequisites, 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 which may include the following:

a. 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.

b. Demonstrations of skill or knowledge for enrollment in an honors course or an honors section of a course.

c. 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:

1. The prerequisite or corequisite has not been established in accordance with the district policy.

2. The prerequisite or corequisite is in violation of Title 5.

3. The prerequisite or corequisite is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.

4. The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite.

5. 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:

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

**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 electrical burner assemblies and ignition systems, 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)

ACR 107 (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 108 (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 course of study covers 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)
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 complements 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, 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, obtention 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)
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. Stress 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 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 SEQA = 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 SEQA = 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, burned 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 publicizing 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 formulating and decorating techniques. Additional materials fee applies: $15.00. (CSU, UC)

ART 260 (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 deferralential 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)
AUT 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)

AUT 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)

AUT 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)

AUT 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 troubleshooting 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)

AUT 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)

AUT 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 intervertebrates. 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 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.
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 majors, health care, and science educators 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 circulatory 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 cultivating, 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.  (Nontransferable, 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)

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 SALESMAVENSHIP
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, 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)
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 204 (5 UNITS)
ORGANIC CHEMISTRY I
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 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 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 208 (4 UNITS)
QUANTITATIVE ANALYSIS
TERM HOURS: 36 LEC, 108 LAB
Prerequisite: CHEM 202 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. (Non-transferable, 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 science and math 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:  Concurrent enrollment in a course requiring computer support. A practical course in installing and upgrading common PC hardware, software and peripherals. The student learns 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)

78
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 multi-page 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 100 and/or 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 formatting, 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, burned 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 specific 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 089 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)

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. (Nontransferable, 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 022.  
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)

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)

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)

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, 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, guy ing 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, and APSC 103)(Nontransferable, 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, 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)  

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)
The paramedic student must realize that more than usual study and TBA requirements must be met throughout the program. This course is an intensive 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. (CSU)

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 (5 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, pathophysiolog, 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 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, and 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 808March 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 the patient care as well as the interventions added to the EMT I scope of practice. 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 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 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.  
4. Student Intern may enter/re-enter EMTP 245 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.  
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 808March 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)
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.

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.

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 EMT, 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.

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 EMT, 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.

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 EMT, 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 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. 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 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 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 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, UC)

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 En-
GLISH 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 consider-
ation 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 indus-
try, 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 permis-
sion 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. Recom-
mended Preparation: ENGL 102 Study and application of the prin-
ciples of literary construction, plus exercises in the writing of imagi-
native 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 Mexi-
can American historical backgrounds, and by contrasting and com-
paring the works of Mexican Americans with their familiar Anglo
American counterparts, as well as with the works of familiar Mexi-
can 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 Mexi-
can 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 clas-
sification, dialectal variation, psycholinguistics, sociolinguistics,
semantics. Specific work on English sounds, grammar, and dia-
lектs. Recommended for teachers, teacher aides, students of for-
EIGN languages, and anyone interested in extending their knowl-
edge of language. Suitable for English speaking and bilingual stu-
dents. (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 solu-
tions. (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 op-
opportunities in fire protection; fire loss analysis; organization and
function of public and private fire protection services; fire depart-

mental as a part of local government; laws and regulations affect-

ing the fire service; fire service nomenclature; specific fire protection
functions; basic fire chemistry and physics; introduction to fire pro-
tection 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 certification 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. Ventilation 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 overhaul, 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 extinguishing flammable 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 firefighter. 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 firefighter; 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 or current affiliation with a fire agency. An introduction into fire investigation. This intensive 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 as 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 1 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 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 (2 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: 54 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.

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.
The 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 than 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)
LEG 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)

LEG 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)

LEG 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 accounting, 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 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 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)
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, 36 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, UC)

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 MUSICIANSHP 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 MUSICIANSHP 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 of 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 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 I. 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 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, psychologic, and sociocultural environments. Variations in nursing care for individuals of different socioeconomic 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 pathophysiologic and psychopathologic 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.
Corequisite: 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 base 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 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 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 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 emergent 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 Erikson) 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 their 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 HREL 062)

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 108  (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 accom-
companyment 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 the-
atre 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 re-
lated to movement, movement fundamentals and dance skills, cre-
ative 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 partic-
ipation upon a golf course and the worthy use of leisure time and
emphasized. Maximum credit four units. (CSU) (UC credit lim-
ited. 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; in-
cludes rules of the game and emphasis on strategies and tourn-
ament 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 ele-
ments 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 interme-
diate 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 Life-
guard 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 tournament play 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 credit 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 experience, test 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 tournament play 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 tournament play 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. Theory and practice of women's tennis. 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. Theory and practice of volleyball. The course should help develop a relationship of athletics to other matters such as exercise, recreation, sportmanship, 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 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 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, UC)

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, preschool 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 2)

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 I A
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 I B
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 II A
TERM HOURS: 45 LEC, 0 LAB
This course is one-half the content of the regular SPAN 110 course. Completion of 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 II
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, conversa-
tional 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 pro-
fessions. (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 reten-
tion should enable the student to succeed in SPAN 200. A continu-
ation 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 read-
ing 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 Span-
ish natively or nearly natively, but who have difficulty in reading
and/or writing standard Spanish. The course will address the spe-
cific 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 lan-
guage skills of listening, speaking, reading, and writing with a con-
stant 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 con-
temporary culture of Spain, Latin America, and the Spanish speak-
ning 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. Concur-
rent 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 specifically for students who speak Span-
ish natively or nearly natively, but who have difficulty in reading
and/or writing standard Spanish. The course will address the spe-
cific problems native speakers of Spanish have regarding spelling,
accent marks, punctuation and the mechanics of writing paragraphs.
(CSU, UC)

SPAN 225 (3 UNITS)
INTRODUCTION TO SPANISH AMERICAN LITERA-
TURE
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/AUT 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, resume 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

<table>
<thead>
<tr>
<th>APPRENTICESHIP - ELECTRICIAN</th>
<th>APPRENTICESHIP - GENERATION MECHANIC</th>
<th>APPRENTICESHIP - METER TECHNICIAN</th>
<th>APPRENTICESHIP - POWER LINEMAN</th>
<th>APPRENTICESHIP - RELAYS TECHNICIAN</th>
<th>APPRENTICESHIP - SCADA/TELECOMMUNICATIONS TECHNICIAN</th>
<th>APPRENTICESHIP - SUBSTATION ELECTRICIAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTT 101</td>
<td>ELTT 101</td>
<td>ELTT 101</td>
<td>ELTT 101</td>
<td>ELTT 101</td>
<td>ELTT 101</td>
<td>ELTT 101</td>
</tr>
<tr>
<td>ELTT 102</td>
<td>ELTT 102</td>
<td>ELTT 102</td>
<td>ELTT 102</td>
<td>ELTT 102</td>
<td>ELTT 102</td>
<td>ELTT 102</td>
</tr>
<tr>
<td>ELTT 103</td>
<td>ELTT 103</td>
<td>ELTT 103</td>
<td>ELTT 103</td>
<td>ELTT 103</td>
<td>ELTT 103</td>
<td>ELTT 103</td>
</tr>
<tr>
<td>ELTT 104</td>
<td>ELTT 104</td>
<td>ELTT 104</td>
<td>ELTT 104</td>
<td>ELTT 104</td>
<td>ELTT 104</td>
<td>ELTT 104</td>
</tr>
<tr>
<td>APEL 105</td>
<td>APLN 105</td>
<td>APLN 105</td>
<td>APLN 105</td>
<td>APLN 105</td>
<td>APLN 105</td>
<td>APLN 105</td>
</tr>
<tr>
<td>APEL 106</td>
<td>APLN 106</td>
<td>APLN 106</td>
<td>APLN 106</td>
<td>APLN 106</td>
<td>APLN 106</td>
<td>APLN 106</td>
</tr>
<tr>
<td>APEL 107</td>
<td>APLN 107</td>
<td>APLN 107</td>
<td>APLN 107</td>
<td>APLN 107</td>
<td>APLN 107</td>
<td>APLN 107</td>
</tr>
<tr>
<td>APEL 109</td>
<td>APLN 109</td>
<td>APLN 109</td>
<td>APLN 109</td>
<td>APLN 109</td>
<td>APLN 109</td>
<td>APLN 109</td>
</tr>
<tr>
<td>APEL 110</td>
<td>APLN 110</td>
<td>APLN 110</td>
<td>APLN 110</td>
<td>APLN 110</td>
<td>APLN 110</td>
<td>APLN 110</td>
</tr>
</tbody>
</table>

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)

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: APEL 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: APEL 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 APEL 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: APEL 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: APEL 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: APEL 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: APEL 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 watthour 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, APLN 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, APLN 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, APLN 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 basic wiring for meter installations, working on de-energized lines, rigging for high voltage work, troubleshooting and testing for meter failures. (Nontransferable, nondegree applicable)

APLN 106 (4 UNITS)
POWER LINEMAN VI
TERM HOURS: 54 LEC, 54 LAB
Prerequisite: APLN 105 - Power Lineman V.
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 106, APGN 106, APLN 106, APRL 106, APSB 106, APSC 106, and ELTT 106) (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)  

APRN 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.  
(Same as APEL 107, APGN 107, APLN 107, APMT 107, APSB 107, APSC 107, and ELTT 107)  
(Nontransferable, nondegree applicable)  

APLR 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, guyed 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.  
(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  
Prerequisite: 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)
APRC 108 (4 UNITS)
RELAYS TECHNICIAN VIII
TERM HOURS: 54 LEC, 54 LAB
Prerequisite: APRC 107 - Relays Technician VII.
Advanced review in types of relays for generators, transmission applications, transformers and substation bus 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, APRC 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 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, APRC 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, APRC 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, APRC 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, APRC 101, APSB 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 dis-
tribution line maintenance (i.e., transmission structures, transmis-
sion 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 sub-
stations). (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 sub-
station construction and maintenance, transmission line installation,
working on de-energized lines, rigging for high voltage work, ap-
propriate 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, re-
view of local and state construction requirements. (Nontransfer-
able, 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 100</td>
<td>Intro to the Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ/CSI 102</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 104</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 106</td>
<td>Principles and Procedures of the</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Justice System</td>
<td></td>
</tr>
<tr>
<td>AJ 110</td>
<td>Police Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>AJ/CSI 120</td>
<td>Public Safety Communications</td>
<td>3</td>
</tr>
<tr>
<td>AJ 100</td>
<td>Intro to Admin of Justice</td>
<td>3.0</td>
</tr>
<tr>
<td>AJ/CSI 102</td>
<td>Concepts of Criminal Law</td>
<td>3.0</td>
</tr>
<tr>
<td>AJ 104</td>
<td>Legal Aspects of Evidence</td>
<td>3.0</td>
</tr>
<tr>
<td>AJ 106</td>
<td>Prin &amp; Proced of the Justice System</td>
<td>3.0</td>
</tr>
<tr>
<td>AJ 110</td>
<td>Police Community Relations</td>
<td>3.0</td>
</tr>
<tr>
<td>AJ/CSI 120</td>
<td>Public Safety Communications</td>
<td>3.0</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major

(6 units from the following courses).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 080</td>
<td>Security Guard (Arrest)</td>
<td>0.5</td>
</tr>
<tr>
<td>AJ 121</td>
<td>Police Field Operations</td>
<td></td>
</tr>
<tr>
<td>AJ 122</td>
<td>Criminal Investigation</td>
<td></td>
</tr>
<tr>
<td>AJ 123</td>
<td>Juvenile Control</td>
<td></td>
</tr>
<tr>
<td>AJ/SOC 124</td>
<td>Criminology</td>
<td></td>
</tr>
<tr>
<td>AJ 141</td>
<td>Arrest and Firearms</td>
<td></td>
</tr>
<tr>
<td>CSI 100</td>
<td>Introduction to Corrections</td>
<td></td>
</tr>
<tr>
<td>CSI 104</td>
<td>Concepts of Probation &amp; Parole</td>
<td></td>
</tr>
</tbody>
</table>

III. Recommended as electives (do NOT fulfill major requirements)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 142</td>
<td>Reserve Officer III</td>
<td>10</td>
</tr>
<tr>
<td>AJ 144</td>
<td>Reserve Officers Level II</td>
<td>13.5</td>
</tr>
<tr>
<td>AJ 150</td>
<td>Advanced Officers Course</td>
<td>5-3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 130</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AG/BUS 132</td>
<td>Business Management</td>
<td>3</td>
</tr>
<tr>
<td>AG 134</td>
<td>Agricultural Bus Organization</td>
<td>3</td>
</tr>
<tr>
<td>AG 136</td>
<td>Agricultural Sales and Service Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Intro to Microeconomics</td>
<td></td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major

(select a minimum of 6 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 080</td>
<td>Pesticide Safety</td>
<td>1</td>
</tr>
<tr>
<td>AG 120</td>
<td>Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>AG 138</td>
<td>Computer Applications in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AG 160</td>
<td>Food &amp; Fiber in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>BUS 126</td>
<td>Business and the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210</td>
<td>Principles of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 220</td>
<td>Principles of Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 100</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
</tbody>
</table>

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.
I. Required courses for the major (27 units)

Thirty-six (36) units required for the major providing higher degrees with the social service majors.

This program prepares students for transfer to institutions providing higher degrees with the social service majors. Additional Courses will be added to this section - see class schedule!

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 students 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

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).
II. Acceptable courses for the major

I. Required courses for the major

Thirty-nine (39) units required for the major

COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

II. Recommended courses for the major

AUTOMOTIVE COLLISION REPAIR
(MAJOR CODE: 1000)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 100</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Introductory Statistics with Applications</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY/CFCS 106</td>
<td>Developmental Psychology of Children</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 120</td>
<td>Introduction to Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSY 142</td>
<td>Psychology of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY 144</td>
<td>The Psychology of Interpersonal Relationships</td>
<td>3</td>
</tr>
<tr>
<td>PSY 146</td>
<td>Psychology of Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 200</td>
<td>Biological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 202</td>
<td>Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 204</td>
<td>Developmental Psychology: Conception to Death</td>
<td>3</td>
</tr>
<tr>
<td>PSY/SOC 206</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 208</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 220</td>
<td>Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Recommended as electives (do NOT fulfill major requirements)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Prin of Biological Science</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122</td>
<td>General Zoology II</td>
<td>4</td>
</tr>
<tr>
<td>CFCS 104</td>
<td>Early Child Social: Children, Family, and Community</td>
<td>3</td>
</tr>
<tr>
<td>CFCS 260</td>
<td>Principles of Parenting</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

BEHAVIORAL SCIENCE
(MAJOR CODE: 0889)

AMERICAN INDIAN STUDIES
(MAJOR CODE: 0888)

Archaeology

ANTH 100 Physical Anthropology
ANTH 102 Cultural Anthropology

Psychology

PSY 101 Introduction to Psychology
PSY/CFCS 106 Developmental Psychology of Children
PSY/ADS 120 Introduction to Counseling
PSY 142 Psychology of Adjustment
PSY 144 The Psychology of Interpersonal Relationships
PSY 146 Psychology of Human Sexuality
PSY 200 Biological Psychology
PSY 202 Learning
PSY 204 Developmental Psychology: Conception to Death
PSY/SOC 206 Social Psychology
PSY 208 Abnormal Psychology
PSY 212 Research Methods in Psychology
PSY/ADS 220 Practicum

Sociology

SOC 101 Introductory Sociology
SOC 102 Contemp Social Problems
SOC 110 Marriage and the Family
SOC/AJ124 Criminology
SOC/ADS 150 Sociology of Minority Groups
SOC/PSY 206 Social Psychology

II. Recommended as electives (do NOT fulfill major requirements)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Prin of Biological Science</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122</td>
<td>General Zoology II</td>
<td>4</td>
</tr>
<tr>
<td>CFCS 104</td>
<td>Early Child Social: Children, Family, and Community</td>
<td>3</td>
</tr>
<tr>
<td>CFCS 260</td>
<td>Principles of Parenting</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 164</td>
<td>3</td>
</tr>
<tr>
<td>BUS 167</td>
<td>1</td>
</tr>
<tr>
<td>BUS 169</td>
<td>2</td>
</tr>
<tr>
<td>BUS 172</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210 **</td>
<td>4</td>
</tr>
<tr>
<td>CIS 101</td>
<td>4</td>
</tr>
<tr>
<td>CIS 108</td>
<td>3</td>
</tr>
<tr>
<td>CIS 124</td>
<td>1</td>
</tr>
<tr>
<td>CIS 125</td>
<td>1</td>
</tr>
<tr>
<td>WE 201 *</td>
<td>1</td>
</tr>
<tr>
<td>WE 220 *</td>
<td>1</td>
</tr>
</tbody>
</table>

* 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 010</td>
<td>3</td>
</tr>
<tr>
<td>BUS 061</td>
<td>3</td>
</tr>
<tr>
<td>BUS 124</td>
<td>3</td>
</tr>
<tr>
<td>BUS 220</td>
<td>4</td>
</tr>
</tbody>
</table>

III. 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.)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 126</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210</td>
<td>4</td>
</tr>
<tr>
<td>BUS 220</td>
<td>4</td>
</tr>
<tr>
<td>ECON 101</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (select a minimum of one course)

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 260</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>3</td>
</tr>
<tr>
<td>CIS 108</td>
<td>3</td>
</tr>
<tr>
<td>MATH 120</td>
<td>3</td>
</tr>
<tr>
<td>MATH 122</td>
<td>4</td>
</tr>
<tr>
<td>MATH 170</td>
<td>4</td>
</tr>
</tbody>
</table>

BUSINESS ADMINISTRATIVE ASSISTANT  
(MAJOR CODE: 0207)

This program provides student 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 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 26</td>
<td>3</td>
</tr>
<tr>
<td>BUS 136</td>
<td>3</td>
</tr>
<tr>
<td>BUS 167</td>
<td>1</td>
</tr>
<tr>
<td>BUS 172</td>
<td>3</td>
</tr>
<tr>
<td>BUS 176</td>
<td>1</td>
</tr>
<tr>
<td>BUS 180</td>
<td>4</td>
</tr>
<tr>
<td>BUS 210 **</td>
<td>4</td>
</tr>
<tr>
<td>CIS 101</td>
<td>3</td>
</tr>
<tr>
<td>WE 201 *</td>
<td>1</td>
</tr>
<tr>
<td>WE 220 *</td>
<td>1</td>
</tr>
</tbody>
</table>

* 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
CIS 108 Computer Accounting ....................... 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 144 Principles of Marketing .................... 3
BUS 148 Personal Finance ............................ 3
BUS 220 Prin of Managerial Accounting .......... 4
BUS/AG 132 Business Management .................. 3
BUS 126 Bus & the Legal Environment .............. 3
BUS 148 Principles of Financial Accounting ....... 3
BUS 124 Introduction of Business .................. 3

* 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 124 Introduction of Business ................. 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 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
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 institution.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 060</td>
<td>Practical English for the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>BUS 060</td>
<td>Essential in Workplace Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 061</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>BUS 164</td>
<td>Office Tech &amp; Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 167</td>
<td>Machine Calculation</td>
<td>1</td>
</tr>
<tr>
<td>BUS 169</td>
<td>Records Management</td>
<td>2</td>
</tr>
<tr>
<td>BUS 172</td>
<td>Office Tech &amp; Procedures II</td>
<td>3</td>
</tr>
<tr>
<td>BUS 176</td>
<td>Office Transcription</td>
<td>1</td>
</tr>
<tr>
<td>BUS 180</td>
<td>Microsoft Office for the Workplace</td>
<td>4</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>WE 201</td>
<td>Employment Readiness</td>
<td>1</td>
</tr>
<tr>
<td>WE 220</td>
<td>Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 100</td>
<td>Oral Communications</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 110</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 180</td>
<td>Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>JRN 100</td>
<td>Introduction to Journalism</td>
<td>3</td>
</tr>
<tr>
<td>JRN 102</td>
<td>Newspaper Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 100</td>
<td>Introduction to Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 120</td>
<td>Fundamentals of Acting</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>PSY 144</td>
<td>Psych. of Interpersonal Relationships</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 210</td>
<td>Prin of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 202</td>
<td>Programming in Visual Basic</td>
<td>3</td>
</tr>
<tr>
<td>CIS 204</td>
<td>Programming in C</td>
<td>3</td>
</tr>
<tr>
<td>CIS 208</td>
<td>Programming in JAVA</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Programming in Fortran</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Select at least seven (7) elective units

(programming courses taken above may not be used to satisfy this requirement):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 102</td>
<td>Computer Applications Lab-1 Unit Max</td>
<td>1</td>
</tr>
<tr>
<td>CIS 104</td>
<td>Intro to Telecommunications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 106</td>
<td>PC Maintenance &amp; Repair</td>
<td>3</td>
</tr>
<tr>
<td>CIS 107</td>
<td>Computer Networking</td>
<td>3</td>
</tr>
<tr>
<td>CIS 108</td>
<td>Computer Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CIS 110</td>
<td>Windows Operating System</td>
<td>1</td>
</tr>
<tr>
<td>CIS 121</td>
<td>Microsoft Word II</td>
<td>1</td>
</tr>
<tr>
<td>CIS 125</td>
<td>Excel II</td>
<td>1</td>
</tr>
<tr>
<td>CIS 128</td>
<td>Access</td>
<td>1</td>
</tr>
<tr>
<td>CIS 130</td>
<td>Power Point I</td>
<td>1</td>
</tr>
<tr>
<td>CIS 132</td>
<td>Front Page I</td>
<td>1</td>
</tr>
<tr>
<td>CIS 202</td>
<td>Programming in Visual Basic</td>
<td>3</td>
</tr>
<tr>
<td>CIS 204</td>
<td>Programming in C</td>
<td>3</td>
</tr>
<tr>
<td>CIS 208</td>
<td>Programming in JAVA</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Programming in Fortran</td>
<td>3</td>
</tr>
<tr>
<td>WE 201</td>
<td>Employment Readiness Class</td>
<td>1</td>
</tr>
<tr>
<td>WE 220</td>
<td>Internship</td>
<td>1-4</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSI 100</td>
<td>Intro to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CSI/AJ 102</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CSI 106</td>
<td>Correctional Interviewing &amp; Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CSI 108</td>
<td>Control &amp; Supervision of Inmates</td>
<td>3</td>
</tr>
<tr>
<td>CSI/AJ 120</td>
<td>Public Safety Communications</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Select nine (9) units from the following courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 080</td>
<td>Security Guard (Arrest)</td>
<td>0.5</td>
</tr>
<tr>
<td>AJ 100</td>
<td>Intro to Admin of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 110</td>
<td>Police Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>AJ 122</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 123</td>
<td>Juvenile Control</td>
<td>3</td>
</tr>
<tr>
<td>AJ 141</td>
<td>Arrest &amp; Firearms</td>
<td>3.5</td>
</tr>
<tr>
<td>CSI 104</td>
<td>Concepts of Probation &amp; Parole</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFCS 100</td>
<td>Introduction to Early Childhood</td>
<td>2</td>
</tr>
<tr>
<td>CFCS 101</td>
<td>Health, Safety &amp; Nutrition for Teachers of Young Children</td>
<td>2</td>
</tr>
<tr>
<td>CFCS/HT 102</td>
<td>First Aid &amp; CPR for Teachers of Young Children</td>
<td>2</td>
</tr>
<tr>
<td>CFCS 104</td>
<td>Early Childhood Socialization: Children, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>CFCS/PSY 106</td>
<td>Developmental Psychology of Children</td>
<td>3</td>
</tr>
<tr>
<td>CFCS 108</td>
<td>Advanced Developmental Psychology &amp; Observation</td>
<td>3</td>
</tr>
<tr>
<td>CFCS 110</td>
<td>Early Childhood Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>CFCS 200</td>
<td>Field Experience</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Select four (4) to five (5) units from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFCS 112</td>
<td>Language and Literature for Early Childhood</td>
<td>2</td>
</tr>
<tr>
<td>CFCS 114</td>
<td>Art for Young Children</td>
<td>2</td>
</tr>
<tr>
<td>CFCS 116</td>
<td>Science and Math for Early Childhood</td>
<td>2</td>
</tr>
<tr>
<td>CFCS 118</td>
<td>Music and Math for Early Childhood</td>
<td>2</td>
</tr>
<tr>
<td>CFCS 262</td>
<td>Multilingual &amp; Multicultural Curriculum for Young Children</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMTP 200</td>
<td>EMT - Paramedic Didactic 1</td>
<td>9</td>
</tr>
<tr>
<td>EMTP 210</td>
<td>EMT - Paramedic Didactic 2</td>
<td>9</td>
</tr>
<tr>
<td>EMTP 215</td>
<td>EMT - Paramedic Didactic 3</td>
<td>5</td>
</tr>
<tr>
<td>EMTP 225</td>
<td>EMT - Paramedic Clinical 1</td>
<td>3.5</td>
</tr>
<tr>
<td>EMTP 245</td>
<td>EMT - Paramedic Field 2</td>
<td>4.5</td>
</tr>
<tr>
<td>BUS 134</td>
<td>Mgt Concepts &amp; Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 136</td>
<td>Human Relations in Management</td>
<td>3</td>
</tr>
</tbody>
</table>

ENGLISH  
(MAJOR CODE: 0510)

Eighteen (18) units required for the major

I. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>Reading &amp; Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 201</td>
<td>Advanced Composition</td>
<td>3</td>
</tr>
</tbody>
</table>

Select One Sequence

ENGL 220-221 Survey of American Literature I- II ....... 3-3
ENGL 224-225 Survey of English Literature ............... 3-3
ENGL 222-223 Survey of World Literature ................ 3-3
ENGL 226-227 Survey of English Literature ............... 3-3

II. Acceptable courses for the major

(3 units from the following courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 220</td>
<td>Survey of American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 221</td>
<td>Survey of American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 222</td>
<td>Survey of World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 223</td>
<td>Survey of English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 224</td>
<td>Survey of English Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 225</td>
<td>Survey of American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 228</td>
<td>Introduction to the Bible as Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL/HUM 230</td>
<td>Introduction to Film Hist &amp; Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 250</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 260</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 270</td>
<td>Intro to Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

*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.

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

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 & Wrt ......................................... 3
FREN 230 Inter Conversational French ..................................... 3
FREN 232 Inter Conversational French ..................................... 3

IMPERIAL VALLEY COLLEGE
GENERAL CATALOG 2007 - 2008
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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 100</td>
<td>Early World History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101</td>
<td>Modern World History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 120</td>
<td>United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 121</td>
<td>United States History</td>
<td>3</td>
</tr>
</tbody>
</table>

### II. Electives - Select nine (9) units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 110</td>
<td>Early Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>Modern Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 122</td>
<td>History of the Imperial Valley</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>Early Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 132</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIST 140</td>
<td>East Asian History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 150</td>
<td>Survey of African History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 160</td>
<td>Middle Eastern from 600</td>
<td>3</td>
</tr>
<tr>
<td>HIST 220</td>
<td>Women in American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 222</td>
<td>History of California</td>
<td>3</td>
</tr>
<tr>
<td>HIST 223</td>
<td>History of the American West</td>
<td>3</td>
</tr>
<tr>
<td>HIST 226</td>
<td>Mexican American History, 1821-1930</td>
<td>3</td>
</tr>
<tr>
<td>HIST 227</td>
<td>Mexican American History Since 1930</td>
<td>3</td>
</tr>
</tbody>
</table>

### III. Capstone - Three (3) units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 280</td>
<td>Research Topics in History</td>
<td>3</td>
</tr>
</tbody>
</table>

### IV. Must select three units (3) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 100</td>
<td>Intro to Philosophy I</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 102</td>
<td>Intro to Philosophy II</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 108</td>
<td>Religions of the Modern World</td>
<td>3</td>
</tr>
</tbody>
</table>

### V. Must select six units (6) from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMSL 100</td>
<td>American Sign Language 1</td>
<td>4</td>
</tr>
<tr>
<td>AMSL 102</td>
<td>American Sign Language 2</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Intro to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 222</td>
<td>Survey of World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 223</td>
<td>Survey of World Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 250</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL/SPAN 260</td>
<td>The Mexican American in Literature</td>
<td></td>
</tr>
<tr>
<td>FREN 100</td>
<td>Elementary French I</td>
<td>5</td>
</tr>
<tr>
<td>FREN 110</td>
<td>Elementary French II</td>
<td>5</td>
</tr>
<tr>
<td>MUS 176</td>
<td>Rehearsal &amp; Performance</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 100</td>
<td>Elementary Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 110</td>
<td>Elementary Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 220</td>
<td>Bilingual Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 221</td>
<td>Bilingual Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>SPCH 100</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101</td>
<td>Intro to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 142</td>
<td>Psych of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 120</td>
<td>Intro to Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 220</td>
<td>Practicum</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 134</td>
<td>Mgmt Concepts of Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 136</td>
<td>Human Relations in Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>CFCS 260</td>
<td>Principles of Parenting (Was ECE 26)</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>PD 100</td>
<td>Personal &amp; Career Development</td>
<td>3</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Intro Statistics w/App (Was Math 12)</td>
<td>3</td>
</tr>
<tr>
<td>PSY/CFCS 106</td>
<td>Develop Psych of Children (Was ECE 20)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 144</td>
<td>The Psych of Interpersonal Relationships</td>
<td>3</td>
</tr>
<tr>
<td>PSY 200</td>
<td>Biological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 202</td>
<td>Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSY 204</td>
<td>Dev Psych: Conception to Death</td>
<td>3</td>
</tr>
<tr>
<td>PSY/SOC 206</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 208</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 210</td>
<td>Crisis Intervention &amp; Referral Tech</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Contemp Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Marriage &amp; the Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC 150</td>
<td>Sociology of Minority Groups</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRN 100</td>
<td>Introduction to Journalism</td>
<td>3</td>
</tr>
<tr>
<td>JRN 102</td>
<td>Newspaper Production</td>
<td>3</td>
</tr>
<tr>
<td>JRN 104</td>
<td>Career Journalism</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major

(minimum of 12 units from the following courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 154</td>
<td>Keyboarding &amp; Doc Formatting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Intro to Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Intro to Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>Intro to Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL/HUM 230</td>
<td>Intro to Film Hist &amp; Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 250</td>
<td>Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>JRN 106</td>
<td>Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>POLS 100</td>
<td>Intro to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 102</td>
<td>Amer Government &amp; Politics</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Contemp Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 100</td>
<td>Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ/CSI 106</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>BUS 126</td>
<td>Bus &amp; the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>LEGAL 121</td>
<td>Legal Research</td>
<td>3</td>
</tr>
<tr>
<td>LEGAL 122</td>
<td>Civil Procedures &amp; Family Law</td>
<td>3</td>
</tr>
<tr>
<td>LEGAL 123</td>
<td>Civil Discovery &amp; Torts</td>
<td>3</td>
</tr>
<tr>
<td>LEGAL 124</td>
<td>Corporations &amp; Bankruptcy</td>
<td>3</td>
</tr>
<tr>
<td>LEGAL 125</td>
<td>Real Estate Law for Legal Assistants</td>
<td>3</td>
</tr>
<tr>
<td>LEGAL 126</td>
<td>Wills,Trusts, Probate and Estate Admin</td>
<td>3</td>
</tr>
</tbody>
</table>

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.
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 Intro 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 .......................................... 1
   MUS 242  Intermediate Group Piano II ....................................... 1
   MUS 250  Intermediate Voice ................................................... 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 background 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.
Courses required for the AS Degree must be completed with a
Track I, Associate Degree Nursing Curriculum (LVN-RN)

- Graduate from an accredited LVN/RN program or Armed
- Successfully complete NURS 204, Transition Course
- Meet all requirements for admission as identified in the
- Hold a valid, active LVN License in the state of California

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
- Successfully complete NURS 204, Transition Course
- Graduate from an accredited LVN/RN program or Armed

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
BIO 202 or 206 (Human Physiology) .......................... 4
BIO 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

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)

### Required courses for the major
- Nineteen (19) units required for the major

### Recommended courses for the major (not required)
- Twenty-four (24) units required for the major

### I. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP 100</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>AHP 102</td>
<td>Medical Insurance</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 090</td>
<td>Anat &amp; Phys for Health Occupations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 010</td>
<td>Practical Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 061</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>BUS 134</td>
<td>Mgmt Concepts &amp; Supervision</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 108</td>
<td>Computer Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

### II. Recommended courses for the major (not required)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 136</td>
<td>Human Relations in Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 060</td>
<td>Essential in Workplace Communication</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 260</td>
<td>Business Communications</td>
<td>3</td>
</tr>
</tbody>
</table>

### PHYSICAL EDUCATION
(MAJOR CODE: 0311)

### I. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE 100</td>
<td>Health Education</td>
<td>3</td>
</tr>
<tr>
<td>HE 104</td>
<td>First Aid</td>
<td>3</td>
</tr>
<tr>
<td>PE 122</td>
<td>Lifeguard Training/Advanced Lifesaving</td>
<td>2</td>
</tr>
<tr>
<td>PE 210</td>
<td>Intro to Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>PE 211</td>
<td>PE in the Elementary School</td>
<td>3</td>
</tr>
</tbody>
</table>

### II. Select six (6) units from the following courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 204</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>PE 102</td>
<td>Physical Fitness</td>
<td>1</td>
</tr>
<tr>
<td>PE 103</td>
<td>Physical Fitness-Women</td>
<td>1</td>
</tr>
<tr>
<td>PE 112</td>
<td>Basketball - Men</td>
<td>1</td>
</tr>
<tr>
<td>PE 113</td>
<td>Basketball - Women</td>
<td>1</td>
</tr>
<tr>
<td>PE 114</td>
<td>Dance Theater</td>
<td>2</td>
</tr>
<tr>
<td>PE 121</td>
<td>Swimming</td>
<td>1</td>
</tr>
<tr>
<td>PE 115</td>
<td>Dance-Jazz</td>
<td>1</td>
</tr>
<tr>
<td>PE 116</td>
<td>Dance-Modern</td>
<td>1</td>
</tr>
<tr>
<td>PE 117</td>
<td>Golf</td>
<td>1</td>
</tr>
<tr>
<td>PE 119</td>
<td>Self-defense</td>
<td>1</td>
</tr>
<tr>
<td>PE 120</td>
<td>Softball</td>
<td>1</td>
</tr>
<tr>
<td>PE 123</td>
<td>Water Safety Instructor Train</td>
<td>2</td>
</tr>
<tr>
<td>PE 124</td>
<td>Team Sports</td>
<td>1</td>
</tr>
<tr>
<td>PE 126</td>
<td>Tennis</td>
<td>1</td>
</tr>
<tr>
<td>PE 127</td>
<td>Tennis-Advanced</td>
<td>1</td>
</tr>
<tr>
<td>PE 128</td>
<td>Volleyball</td>
<td>1</td>
</tr>
<tr>
<td>PE 130</td>
<td>Advanced Physical Exercises</td>
<td>1</td>
</tr>
<tr>
<td>PE 150</td>
<td>Intercollegiate Baseball &amp; PE</td>
<td>2</td>
</tr>
<tr>
<td>PE 151</td>
<td>Intercollegiate Basketball &amp; PE</td>
<td>2</td>
</tr>
<tr>
<td>PE 152</td>
<td>Intercollegiate Soccer &amp; PE</td>
<td>2</td>
</tr>
<tr>
<td>PE 153</td>
<td>Intercollegiate Softball &amp; PE</td>
<td>2</td>
</tr>
<tr>
<td>PE 154</td>
<td>Intercollegiate Tennis &amp; PE</td>
<td>2</td>
</tr>
<tr>
<td>PE 155</td>
<td>Intercollegiate Volleyball &amp; PE</td>
<td>2</td>
</tr>
<tr>
<td>PE 163</td>
<td>Song &amp; Cheer</td>
<td>2</td>
</tr>
<tr>
<td>PE 200</td>
<td>Theory of Baseball</td>
<td>2</td>
</tr>
<tr>
<td>PE 201</td>
<td>Theory of Basketball</td>
<td>2</td>
</tr>
<tr>
<td>PE 220</td>
<td>Introduction to Athletic Training</td>
<td>2</td>
</tr>
<tr>
<td>PE 221</td>
<td>Psychology of Coaching</td>
<td>2</td>
</tr>
<tr>
<td>PE 222</td>
<td>Sports Officiating</td>
<td>3</td>
</tr>
</tbody>
</table>

### PHYSICAL SCIENCE
(MAJOR CODE: 0720)

### I. Thirty-five (35) units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 200</td>
<td>General Inorganic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 202</td>
<td>General Inorganic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 192</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 194</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 200</td>
<td>Principles of Physics I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>Principles of Physics II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 204</td>
<td>Principles of Physics III</td>
<td>5</td>
</tr>
</tbody>
</table>

### Five (5) units from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG/ENVS 110</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>ASTR 100</td>
<td>Principles of Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 204</td>
<td>Organic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 206</td>
<td>Organic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CIS 204</td>
<td>Programming in C</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 100</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Introductory Statistics with Applications</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Programming in FORTRAN</td>
<td>3</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Elem Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 230</td>
<td>Intro to Linear Algebra with Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

### PRE-ENGINEERING
(MAJOR CODE: 0604)

### I. Twenty-five (25) units required from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 200</td>
<td>General Inorganic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 192</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 194</td>
<td>Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 200</td>
<td>Principles of Physics I</td>
<td>5</td>
</tr>
</tbody>
</table>

### II. Three (3) units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 220</td>
<td>Elem Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 230</td>
<td>Intro to Linear Algebra with Applications</td>
<td>3</td>
</tr>
</tbody>
</table>

### III. Ten (10) units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 202</td>
<td>General Inorganic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>Principles of Physics II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 204</td>
<td>Principles of Physics III</td>
<td>5</td>
</tr>
</tbody>
</table>

### IV. Five (5) units from (no duplicates from previous categories)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 202</td>
<td>General Inorganic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 204</td>
<td>Organic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 206</td>
<td>Organic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CIS 204</td>
<td>Programming in C</td>
<td>3</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Introductory Statistics with Applications</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Programming in FORTRAN</td>
<td>3</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Elem Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 230</td>
<td>Intro to Linear Algebra with Applications</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>Principles of Physics II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 204</td>
<td>Principles of Physics III</td>
<td>5</td>
</tr>
</tbody>
</table>
PSYCHOLOGY  
(MAJOR CODE: 0103)

Twenty-one (21) units required for the major

I. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101</td>
<td>Intro to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 200</td>
<td>Biological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 202</td>
<td>Learning</td>
<td>3</td>
</tr>
</tbody>
</table>

Minimum of 12 units from any of the following courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 120</td>
<td>Introductory Statistics with Applications</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 120</td>
<td>Intro to Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSY 142</td>
<td>Psy of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY 144</td>
<td>The Psy of Interpersonal Relationships</td>
<td>3</td>
</tr>
<tr>
<td>PSY 146</td>
<td>Psych of Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 204</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY/SOC 206</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 208</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Research Methods in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 220</td>
<td>OR 221 Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

II. A minimum of 6 units must be taken from Section II

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFCS/DSPS 240</td>
<td>Understanding Excep Students</td>
<td>3</td>
</tr>
<tr>
<td>DSPS 242</td>
<td>Practicum Exper to Work with the Disabled Person</td>
<td>2</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

III. Additional units to complete the major may be utilized .. from the courses under Section III

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMSL 104</td>
<td>Fingerspelling and Numbers</td>
<td>3</td>
</tr>
<tr>
<td>AMSL 110</td>
<td>Introduction to Deaf Culture</td>
<td>3</td>
</tr>
<tr>
<td>AMSL 112</td>
<td>Interpreting as a Profession</td>
<td>3</td>
</tr>
<tr>
<td>CFCS/PSY 106</td>
<td>Develop Psych of Children</td>
<td>3</td>
</tr>
<tr>
<td>DSPS 005</td>
<td>Recreation for Special Groups</td>
<td>1</td>
</tr>
<tr>
<td>DSPS 242</td>
<td>Practicum Exper to Work with the Disabled Person</td>
<td>2</td>
</tr>
<tr>
<td>PE 224</td>
<td>PE for Special Olympics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 104</td>
<td>Psych of Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>PSY/ADS 120</td>
<td>Intro to Counseling</td>
<td>3</td>
</tr>
<tr>
<td>PSY/SOC 206</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Contemp Social Problems</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 100</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 104</td>
<td>California Indians</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 106</td>
<td>Indians of North America</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 110</td>
<td>Intro to Arch Site Surveying</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 112</td>
<td>Intro to Arch Excavations</td>
<td>3</td>
</tr>
</tbody>
</table>

Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101</td>
<td>Introduction to Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Introduction to Macroeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

Geography

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 100</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 108</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

History

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 100</td>
<td>Early World History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101</td>
<td>Modern World History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 110</td>
<td>Early Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>Modern Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 120</td>
<td>United States History to 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 121</td>
<td>United States History from 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 122</td>
<td>History of Imperial Valley</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>Early Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 132</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
</tbody>
</table>

Philosophy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 100</td>
<td>Intro to Philosophy I</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 102</td>
<td>Intro to Philosophy II</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 104</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 108</td>
<td>Religions of the Mod World</td>
<td>3</td>
</tr>
</tbody>
</table>

Political Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 052</td>
<td>Intro to American Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 100</td>
<td>Intro to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLS 102</td>
<td>American Govt &amp; Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 104</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 106</td>
<td>Intro to International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

Sociology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 101</td>
<td>Introductory Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 102</td>
<td>Contemp Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110</td>
<td>Marriage &amp; the Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC/ADS 150</td>
<td>Sociology of Minority Groups</td>
<td>3</td>
</tr>
</tbody>
</table>
### 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 American .................. 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 & 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 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 ........... 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
- WELD 220 Arc Welding Processes ................. 5
- WELD 240 Pipe & Structural Welding ............ 5
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-and one half (24.5) units required for the certificate

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 100</td>
<td>Intro to Admin of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ/CSI 102</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 104</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 106</td>
<td>Prin &amp; Proc of the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 110</td>
<td>Police Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>AJ 123</td>
<td>Juvenile Control</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 089 or 111*</td>
<td>Reading</td>
<td>3.5</td>
</tr>
</tbody>
</table>

*A score of 60 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 080</td>
<td>Pesticide Safety</td>
<td>1</td>
</tr>
<tr>
<td>AG 120</td>
<td>Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>AG 130</td>
<td>Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AG/BUS 132</td>
<td>Business Management</td>
<td>3</td>
</tr>
<tr>
<td>AG 134</td>
<td>Agricultural Bus Organization</td>
<td>3</td>
</tr>
<tr>
<td>AG 136</td>
<td>Agri Sales &amp; Service Management</td>
<td>3</td>
</tr>
<tr>
<td>AG 160</td>
<td>Food &amp; Fiber in a Chang World</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one (1) course from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 138</td>
<td>Computer Applications in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AG 170</td>
<td>Entomology</td>
<td>3</td>
</tr>
<tr>
<td>BUS 010</td>
<td>Practical Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 126</td>
<td>Bus &amp; the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUS 144</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 080</td>
<td>Pesticide Safety</td>
<td>1</td>
</tr>
<tr>
<td>AG 120</td>
<td>Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>AG 140</td>
<td>Principles of Plant Science</td>
<td>4</td>
</tr>
<tr>
<td>AG 170</td>
<td>Entomology</td>
<td>3</td>
</tr>
<tr>
<td>AG 230</td>
<td>Fertilizers &amp; Soil Amendments</td>
<td>3</td>
</tr>
<tr>
<td>AG 240</td>
<td>Field &amp; Cereal Crops</td>
<td>4</td>
</tr>
<tr>
<td>AG 250</td>
<td>Vegetable Crops</td>
<td>3</td>
</tr>
<tr>
<td>AG 270</td>
<td>Weeds &amp; Weed Control</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the certificate

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 138</td>
<td>Computer Applications in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>AG 160</td>
<td>Food &amp; Fiber in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>AG 220</td>
<td>Irrigation &amp; Drainage</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACR 101</td>
<td>Air Conditioning/Refrigeration Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACR 102</td>
<td>Residential Air Conditioning Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACR 103</td>
<td>Air Conditioning Electrical Circuits/Controls</td>
<td>3</td>
</tr>
<tr>
<td>ACR 104</td>
<td>Air Conditioning Heating Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACR 105</td>
<td>Heat Load Calculation and Measurements</td>
<td>2</td>
</tr>
<tr>
<td>ACR 106</td>
<td>Air Conditioning Ventilation Duct Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS101</td>
<td>Alcoholsm: Intervention, Treatment, &amp; Recovery</td>
<td>3</td>
</tr>
<tr>
<td>ADS110</td>
<td>Physiological Effects of Alcohol &amp; Drugs</td>
<td>3</td>
</tr>
<tr>
<td>ADS/PSY 120</td>
<td>Intro to Counseling</td>
<td>3</td>
</tr>
<tr>
<td>ADS/PSY 130</td>
<td>Group Leadership &amp; Group Process</td>
<td>3</td>
</tr>
<tr>
<td>ADS 200</td>
<td>Family Counseling Approach to Alcohol &amp; Drug Abuse</td>
<td>3</td>
</tr>
<tr>
<td>ADS/PSY 210</td>
<td>Crisis Intervention &amp; Referral Techniques</td>
<td>3</td>
</tr>
<tr>
<td>ADS/PSY 220</td>
<td>Practicum</td>
<td>3</td>
</tr>
<tr>
<td>ADS/PSY 221</td>
<td>Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>
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
   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

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

I. Required courses for the certificate

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 126</td>
<td>Business and the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUS 136</td>
<td>Human Relations in Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 167</td>
<td>Machine Calculation</td>
<td>1</td>
</tr>
<tr>
<td>BUS 172</td>
<td>Office Tech &amp; Procedures II</td>
<td>3</td>
</tr>
<tr>
<td>BUS 176</td>
<td>Office Transcription</td>
<td>1</td>
</tr>
<tr>
<td>BUS 180</td>
<td>Microsoft Office for the Workplace</td>
<td>4</td>
</tr>
<tr>
<td>BUS 210</td>
<td>Principles of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>WE 201</td>
<td>Employment Readiness</td>
<td>1</td>
</tr>
<tr>
<td>WE 220</td>
<td>Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 124</td>
<td>Introduction of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 126</td>
<td>Bus &amp; the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUS/AG 132</td>
<td>Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210</td>
<td>Principles of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 102</td>
<td>Computer Applications Lab</td>
<td>1</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Intro to Microeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the certificate

(minimum of three units from the following courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 010</td>
<td>Practical Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 060</td>
<td>Essentials in Workplace Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 124</td>
<td>Intro to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 134</td>
<td>Management Concepts of Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 136</td>
<td>Human Relations in Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Business Retailing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 142</td>
<td>Practical Salesmanship</td>
<td>3</td>
</tr>
<tr>
<td>BUS 144</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 148</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUS 220</td>
<td>Principles of Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>CIS 124</td>
<td>Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CIS 125</td>
<td>Excel II</td>
<td>1</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Intro to Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Intro to Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>WE 201</td>
<td>Employment Readiness</td>
<td>1</td>
</tr>
<tr>
<td>WE 220</td>
<td>Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 126</td>
<td>Business and the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUS/AG 132</td>
<td>Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210</td>
<td>Principles of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 102</td>
<td>Computer Applications Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the certificate

(minimum of nine units from the following courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 010</td>
<td>Practical Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BUS 060</td>
<td>Essentials in Workplace Communication</td>
<td>3</td>
</tr>
<tr>
<td>BUS 124</td>
<td>Intro to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 134</td>
<td>Management Concepts of Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 136</td>
<td>Human Relations in Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Business Retailing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 142</td>
<td>Practical Salesmanship</td>
<td>3</td>
</tr>
<tr>
<td>BUS 144</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 148</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUS 220</td>
<td>Principles of Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>CIS 124</td>
<td>Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CIS 125</td>
<td>Excel II</td>
<td>1</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Intro to Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Intro to Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>WE 201</td>
<td>Employment Readiness</td>
<td>1</td>
</tr>
<tr>
<td>WE 220</td>
<td>Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 126</td>
<td>Business and the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BUS/AG 132</td>
<td>Business Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 210</td>
<td>Principles of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 102</td>
<td>Computer Applications Lab</td>
<td>1</td>
</tr>
</tbody>
</table>

STUDENTS WHO INTEND TO PURSUE A FOUR-YEAR BUSINESS DEGREE SHOULD FOLLOW THE BUSINESS ADMINISTRATION MAJOR.
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

NOTE: BUS 060 is recommended before BUS 061.

NOTE: ENGL 060 is recommended before BUS 060.

It is recommended that the work experience courses be taken after completion of at least 12 units in the major.

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.

I. Required courses for the certificate
Seventeen (17) units required for the certificate

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

BUSINESS RETAIL MANAGEMENT
(CERTIFICATE CODE: 5221)

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)

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)

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 Fortran .................. 3
- WE 201  Employment Readiness Class ................. 1
- WE 220  Internship .................................. 1-4

### 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/I .................. 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/CIS 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

### 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

### 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 Role ........................................ 1
   CFCS 052 Family Child Care Licensing & Regs for Teachers of Young Children ................ 1
   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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELTR 120</td>
<td>Electronic Devices</td>
<td>4</td>
</tr>
<tr>
<td>ELTR 140</td>
<td>Electronic Circuits &amp; Semiconductors</td>
<td>4</td>
</tr>
<tr>
<td>ELTR 220</td>
<td>Digital Instrumentation Measurements</td>
<td>3</td>
</tr>
<tr>
<td>ELTR 240</td>
<td>Digital Logic Circuits</td>
<td>3</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMTP 200</td>
<td>EMT Paramedic - Didactic 1</td>
<td>9</td>
</tr>
<tr>
<td>EMTP 210</td>
<td>EMT Paramedic - Didactic 2</td>
<td>9</td>
</tr>
<tr>
<td>EMTP 215</td>
<td>EMT Paramedic - Didactic 3</td>
<td>5</td>
</tr>
<tr>
<td>EMTP 225</td>
<td>EMT Paramedic - Clinical</td>
<td>3.5</td>
</tr>
<tr>
<td>EMTP 235</td>
<td>EMT Paramedic - Field 1</td>
<td>6.5</td>
</tr>
<tr>
<td>EMTP 245</td>
<td>EMT paramedic - Field 2</td>
<td>5.5</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 060</td>
<td>Essentials of Workplace Comm</td>
<td>3</td>
</tr>
<tr>
<td>BUS 167</td>
<td>Machine Calculation</td>
<td>1</td>
</tr>
<tr>
<td>BUS 169</td>
<td>Records Management</td>
<td>2</td>
</tr>
<tr>
<td>CIS 100</td>
<td>Computer Literacy</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 060</td>
<td>Practical English for the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>PD 100</td>
<td>Personal &amp; Career Development</td>
<td>3</td>
</tr>
<tr>
<td>WE 201</td>
<td>Employment Readiness</td>
<td>1</td>
</tr>
<tr>
<td>WE 210</td>
<td>General Work Experience</td>
<td>1</td>
</tr>
<tr>
<td>OR</td>
<td>Internship</td>
<td>1</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the certificate (select a minimum of 2 units)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 152</td>
<td>Basic Keyboarding</td>
<td>1</td>
</tr>
<tr>
<td>CIS 120</td>
<td>Microsoft Word I</td>
<td>1</td>
</tr>
<tr>
<td>CIS 121</td>
<td>Microsoft Word II</td>
<td>1</td>
</tr>
<tr>
<td>CIS 124</td>
<td>Excel I</td>
<td>1</td>
</tr>
<tr>
<td>CIS 125</td>
<td>Excel II</td>
<td>1</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 100</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 102</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 104</td>
<td>California Indians</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 110</td>
<td>Intro to Arch Site Surveying</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 112</td>
<td>Intro to Arch Excavations</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 210</td>
<td>Adv Archaeological Survey</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 212</td>
<td>Adv Archeological Excavations</td>
<td>3</td>
</tr>
</tbody>
</table>

Three (3) units to be selected from the following course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Prin of Biological Science</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 120</td>
<td>General Zoology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122</td>
<td>General Zoology II</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 100</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRE/EMT 105</td>
<td>Emergency Medical Technician I</td>
<td>7.5</td>
</tr>
<tr>
<td>FIRE 120</td>
<td>Hazardous Materials for the First Responder</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 121</td>
<td>ICS 200 Incident Command System</td>
<td>1</td>
</tr>
<tr>
<td>FIRE 122</td>
<td>Confined Space Awareness</td>
<td>5.5</td>
</tr>
<tr>
<td>FIRE 130</td>
<td>Basic Fire Academy I</td>
<td>5.5</td>
</tr>
<tr>
<td>FIRE 131</td>
<td>Basic Fire Academy II</td>
<td>6</td>
</tr>
<tr>
<td>PE 100</td>
<td>Lifetime Exercise Science</td>
<td>2</td>
</tr>
<tr>
<td>PE 104</td>
<td>Weight Training</td>
<td>1</td>
</tr>
</tbody>
</table>
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 .................................

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

CFC 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 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

LEGAL ASSISTANT
(CERTIFICATE CODE: 5230)

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 I ................................. 2
AHP 080  Specimen Collection & Lab Procedures .......... 3.5
AHP 082  Exam Room Procedures ................................. 3.5
AHP 084  Pharmacology & Admin of Medications ......... 3.5
AHP 086  Clinical Externship II ................................. 2
AHP 100  Medical Terminology .................................... 3

MEDICAL ASSISTANT
(CERTIFICATE CODE: 5185)

Fourteen (14) 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 I ................................. 2
AHP 100  Medical Terminology .................................... 3

MEDICAL OFFICE ASSISTANT
(CERTIFICATE CODE: 5181)

Seventeen (17) 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 I ................................. 2
AHP 100  Medical Terminology .................................... 3

MULTIMEDIA
(CERTIFICATE CODE: 5510)

Seventeen (17) units required for the certificate

I. Required courses for the certificate
ART 110  Design ......................................................... 3
ART 160  Graphic Design .............................................. 3
COMM 120  Intro to Video & TV Production ................. 3
CIS 122  Desktop Publishing ....................................... 2
ART/CIS 134  Web Publishing with Dreamweaver 1 ....... 1
ART/CIS 135  Web Publishing with Dreamweaver 2 ....... 1
ART/CIS 136  Web Publishing with Dreamweaver 3 ....... 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 & Physio 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 & Physio 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 .................................. 3
AHP 125 Pharmacy Technician .................................. 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 Counseling .......................... 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT 120</td>
<td>Comp Proc for Treat Plant Oper I</td>
<td>3</td>
</tr>
<tr>
<td>WT 130</td>
<td>Wastewater Treatment I</td>
<td>4</td>
</tr>
<tr>
<td>WT 220</td>
<td>Comp Proc for Treat Plant Oper II</td>
<td>3</td>
</tr>
<tr>
<td>WT 230</td>
<td>Wastewater Treatment II</td>
<td>4</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT 110</td>
<td>Water Treat Plant Oper I</td>
<td>4</td>
</tr>
<tr>
<td>WT 120</td>
<td>Comp Proc for Treat Plant Oper I</td>
<td>3</td>
</tr>
<tr>
<td>WT 210</td>
<td>Water Treat Plant Oper II</td>
<td>4</td>
</tr>
<tr>
<td>WT 220</td>
<td>Comp Proc for Treat Plant Oper II</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 130</td>
<td>Welding Technology</td>
<td>5</td>
</tr>
<tr>
<td>WELD 220</td>
<td>Arc Welding Processes</td>
<td>5</td>
</tr>
<tr>
<td>WELD 240</td>
<td>Pipe &amp; Structural Welding</td>
<td>5</td>
</tr>
<tr>
<td>WELD 250</td>
<td>Welder Qual &amp; Blue Print Reading</td>
<td>3</td>
</tr>
</tbody>
</table>
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

HERRERA, 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
Ed.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 Berkeley
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-SAVA LA, 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  
Instructor, English  
M.A., United States International 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

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

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  
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, 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

PAINE, 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

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

SCHUERELL, 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

SHOKOUIFI, 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
AKERS, H. RUSSELL
Physically Limited 1973-1987

ALBERDA, STANLEY
Dean of Learning Services 1969-1993

ANDERSON, LESLIE
Law Enforcement 1967-1983

ARAGON, RAUL
Counselor, Professor 1973-2006

BACON, JEANNE
Physically Limited 1973-1985

BANKS, STANLEY†
Sociology 1966-1987

BARKALOW, N.C.†
Law Enforcement 1974-1981

BARKER, MICHAEL†
Anthropology 1968-1979

BILLINGS, LANELLE
Business 1974-1999

BILLINGS, ROBERT C.
Physical Ed, Auto Tech 1968-1999

BORCHARD, MARY KAY
Professor, Administration of Justice 1982-1993

BRUNARDT, MARTHA†
Nursing 1972-1985

BUCKEL, EILEEN
Dean of Learning Services 1993-2005

BERNARD, WILLIS C.
Art 1969-1988

CERDA, DANIEL
English 1974-2003

CERDA, ERNESTINE
English 1974-2003

CHAMPAGNE, PHILIP
Welding 1971-1989

DePAOLI, JOHN A.†
Superintendent/President 1965-1995

DOMINGUEZ, GILBERT
Superintendent/President 1996-2002

DUFF, JACK
Counseling 1981-1985

FARRAR, LLOYD†
History 1968-1992

FARRIER, PAUL
History 1970-1994

FIELDS, MAX

FINLEY, LUTHER†
Engineering 1960-1983

FINNEY, DEE†
Physical Education 1967-1981

FUESLER, JACK†
Music 1964-1989

GALAMGAM, ADELE†
Assistant Librarian 1965-1994

GARTIN, HERBERT†
Psychology 1966-1978

GENTRY, GLENN A.†
Work Experience 1967-1981

GERARD, ROBERT†
Coor., Special Populations 1988-1993

GRANADOS, ESTHER
Business 1990-1999

GREVATT, JAMES
Counseling 1975-1996

GRIFFIN, WILLIAM†
Business 1961-1992

HANN, CAROL
Professor, English 1975-2006

HANN, RICHARD
Humanities 1967-2003

HEBERT, ROGER
Physical Education 1968-1994

HILLHOUSE, ROSANNE
English 1963-1999

HINSHAW, JOHN†
Mathematics 1942-1973

HUGHES, MERRILYN
Nursing 1986-1997

JACKLICH, JOEL
Professor, Music 1989-2006

JERGE, MICHAEL

JONES, SHIRLEY
Counseling 1982-1999

KELSOE, LEON
History & Exercise Science 1970-2003

KNOWLTON, ROGER
Mathematics 1976-1999

KOSKI, RAUHA K.†
Nursing 1974-1981

LANFORD, CONWAY
Counseling 1970-1984

LARSSON, HAROLD
Astronomy 1966-1984

LEGRABA, STANLEY
Health Educ./Physical Educ. 1974-1992

LEONARD, THOMAS†
Psychology 1964-1972

LEPTICH, DEAN
Speech 1965-1996

LEWIS, STANLEY II
Ag/Heavy Equip. Mech. 1969-1983

LOPEZ, HECTOR

LOPEZ, RUBEN 0.
Dean of Extended Campus 1974-2001

LOWE, JUANITA
Art 1961-1990

MARKS, BETTY
Nursing 1984-2000

MACCI, BARBARA
Dean of Voc Ed 1976-1996

MELLINGER, ELWOOD
Agriculture 1961-1989

MONTENEGRO, JEAN
English, ESL, and Exercise Science 1966-2000

MONTENEGRO, JEAN
English, ESL, and Exercise Science 1966-2000

MONTENEGRO, JEAN
English, ESL, and Exercise Science 1966-2000

MORRIS, ERNEST†
Business 1970-1978

MOORE, ROBERT

NADEAU, NANCY
English Instructor 1973-2002

NOVAK, RUTH†
Dean of Counseling 1958-1972

OVERMAN, RUTH†
Business 1965-1981

PAULSON, CLARENCE†
Business 1960-1988

PENDLEY, J.R.
Science 1967-2003

PERSKE, GERARD
Science 1960-1994

PETESEN, AVIS
Nursing 1984-1991

RAULSTON, JEAN†
English 1977-1994

RICE, PAULINE BENOIT†
Foreign Language/Humanities 1963-1988

RICHARDS-CROFT, DONNA
Business 1998-2005

RICHWINE, HAROLD
Chemistry/Physical Ed 1960-1999

RODDEN, ROSE†
Health Education 1974-1986

RUDOLPH, WILLIAM†
Dean of Vocational Education 1964-1993

SAMSON, WALTER†
History 1963-1982

SAMUELS, CARMEN
Nursing 1971-1981

SANTOS, RAFAEL†
Business 1975-1999

SAZE, ELLEN
Nursing 1981-1990

SECHRIST, WILLIAM†
VP/Bus Svcs/Deputy Supt 1990-1998

SMITH, MARY M.
English 1975-1996

SMITH, MELVIN†
Disabled Student Programs 1990-2003

SPEER, WILLIAM†
English 1961-1987

SPENCER, TERENCE†
Superintendent/President 1963-1978

STANDFORD, SANDRA
Counseling, Dean of Admissions 1967-2003

STEARNS, HAROLD
Speech 1973-1986

STONE, JAMES
Mathematics/Music 1966-1986

STUART, BARBARA
English 1990-2007

SUCZEK, PETER
Psychology and Sociology 1974-2005

SWANN, MARIE†
English 1964-1980

THOMPSON, BLAINE
Business 1962-1999

THORNBURG, WILLIAM
VP for Business Services 1967-1990

TOLDER, IRENE†
Nursing 1978-1984

UPSON, JOHN†
English 1966-1977

VALENTINE, BARBARA
Early Childhood Education 1978-1999

VALENTINE, MARTIN
English 1976-2003

WASSON, HENRY

WEISSMAN, HARRY
English 1969-1980

WELCH, T. LARRY
Librarian 1994-2004

WENDRICK, MARY
English 1990-1999

WENDRICK, MEL
Director of DSP&S 1973-1999

WHITE, HOWARD†
Law Enforcement 1969-1979

WHITE, RAY
Automotive Technology 1964-1998

WILHELIM, ROBERT
Geography & Political Science 1970-2003

WILLIAMS, RICHARD†
Psychology 1974-1999

WILSON, PATRICIA

† Deceased
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:
Since 1964
Supporting Education With Excellence

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