HELP YOURSELF TO FEEL BETTER BY HELPING OTHERS

You never feel better than when you are reaching out to help someone. Exercising the goodness of our human nature gratifies our spirit and brightens our outlook on life today, tomorrow, and into the future.

Imperial Valley College Foundation was founded in 1964 to provide a tax-free channel for friends of IVC and its students to direct their generosity to benefit IVC students, the college, and its programs. Since its inception the Foundation has focused hundreds of thousands of dollars of generosity from individuals, businesses, civic groups, and clubs to help young people enter the college and continue as students. Scholarships, loans, and payment of fees are all part of the Foundation's program.

Additionally, the Foundation has aided in many campus improvements and in introducing elementary school students to the idea of a college experience in their future. More than 10,000 elementary students have participated in this Foundation-sponsored project.

Our ultimate goal is to help students achieve their goal of gaining a college education. The picture below symbolizes that goal - Graduation Day - and receiving an Associate Degree.

So make your move now and FEEL EVEN BETTER. Your gift, donation, annual membership, endowment, annuity, trust fund or other form of giving will brighten your life and enhance the future of one or many.

Write, call, or email

Imperial Valley College Foundation
P.O.Box 158
Imperial, CA 92251-0158
(760) 355-6113
ivcfou@imperial.cc.ca.us
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. In it you will find the information which you must have to succeed. In it also are those rules and regulations which govern not only the college, but you, the student, as well. It is your obligation to become thoroughly familiar with its contents. It has been prepared with your success in mind!
IMPERIAL VALLEY COLLEGE

ACCREDITED by the

Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges
3402 Mendocino Avenue
Santa Rosa, CA 95403
(707) 569-9177

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

California State Department of Education

American Welding Society

Commission on Peace Officers Standards and Training

California Board of Registered Nursing

California Board of Vocational Nurse and Psychiatric Examiners

A MEMBER of

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Association of Community College Trustees
California Association of Community Colleges
California Community Colleges Academic Senate
Community College League of California
Hispanic Association of Colleges and Universities
Imperial County School Boards' Association
International Consortium for Educational and Economic Development
San Diego and Imperial Counties Community Colleges Association

APPROVED for

The Veterans Administration

IMPERIAL VALLEY COLLEGE GENERAL CATALOG 2001-2002

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Imperial Valley
College

Welcomes you

I would like to invite and welcome you to Imperial Valley College. You will find our campus to be open, friendly, and a comfortable place to spend several hours a day, meeting new people, exchanging ideas, broadening your horizons, and learning about the world of work.

The days you spend at Imperial Valley College may be some of the most valuable time spent pursuing your goals toward new skills, a new career, or transferring to another college or university.

Our faculty, staff, administration, and Board of Trustees are very interested in making your success our number one priority. We look forward to seeing you this academic school year.

Gilbert M. Dominguez, Ed.D.
Superintendent/President

THE BOARD OF TRUSTEES
IMPERIAL COMMUNITY COLLEGE DISTRICT

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Trustee from area which includes Brawley Union High School District

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MR. JIM PENDLEY  
Division of Science, Mathematics and Engineering

IMPERIAL VALLEY COLLEGE  
GENERAL CATALOG 2001-2002

IMPERIAL VALLEY COLLEGE  
GENERAL CATALOG 2001-2002

IMPERIAL VALLEY COLLEGE  
2001-2002 SCHOOL CALENDAR

2001

August 17  
Friday  
Faculty Service Day (Orientation)

18  
Saturday  
Fall Semester Begins (First Day of Class)

September 3  
Monday  
Holiday (Labor Day)

October 12  
Friday  
Non-Service Day

November 12-22  
Monday-Thurday-Friday  
Holiday (Veterans Day)

December 12  
Saturday  
Final Exams Begin

24  
Monday  
Last Day of Final Exams

2002

January 4  
Friday  
Last Day of Winter Recess

7-11  
Monday-Friday  
Instructional Flex Days (No Classes)

12  
Saturday  
Spring Semester Begins (First Day of Classes)

21  
Monday  
Holiday (Martin Luther King’s Birthday)

February 15  
Friday  
Holiday (Lincoln’s Birthday)

18  
Monday  
Holiday (Washington’s Birthday)

March 28  
Thursday  
Non-Service Day

29  
Friday  
Holiday (Good Friday)

April 1-5  
Monday-Friday  
Spring Recess

May 18  
Saturday  
Final Exams Begin

24  
Friday  
Last Day of Final Exams

25  
Saturday  
Graduation (Faculty Service Day)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Department</th>
<th>Institution</th>
<th>Degree(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>MILLER, FONDA J.</td>
<td>Instructor, Early Childhood Education</td>
<td>B.A., Otterbein College</td>
<td></td>
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<tr>
<td>MINTER, LYNN E.</td>
<td>Instructor, Agriculture</td>
<td>B.S., University of Florida</td>
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<tr>
<td>MONTENEGRIO, RUTH B.</td>
<td>Director of Human Resources</td>
<td>A.A., Imperial Valley College</td>
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<tr>
<td>NADEAU, NANCY</td>
<td>Professor, English</td>
<td>B.A., Florida State University</td>
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<tr>
<td>OSLOE, AMY E.</td>
<td>Assistant Professor, English</td>
<td>A.B., M.A., San Diego State University</td>
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<tr>
<td>ORENSTEIN, ARMAND</td>
<td>Professor, Mathematics</td>
<td>B.S., M.S., University of Illinois</td>
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<tr>
<td>ORFANOS- woo, STELLA</td>
<td>Associate Professor, Counseling</td>
<td>B.A., University of California, Riverside</td>
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<tr>
<td>ORTEGA, ALICIA Q.</td>
<td>Professor, Spanish and French</td>
<td>A.A., Imperial Valley College</td>
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<tr>
<td>PAINE, THOMAS W.</td>
<td>Instructor, Computer Information</td>
<td>A.S., Grantham College of Engineering</td>
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<tr>
<td>PATTERSON, JAMES DAVID</td>
<td>Associate Professor, Speech and Theatre</td>
<td>B.A., Grand Canyon University</td>
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<tr>
<td>PENDLEY, J.R.</td>
<td>Professor, Science</td>
<td>B.S., M.S., San Diego State University</td>
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<tr>
<td>PLESCANCIA, JOSE J.</td>
<td>Instructor, Counseling</td>
<td>A.A., M.S., Imperial Valley College</td>
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<tr>
<td>POLLOCK-BLEVINS, DIEDRE</td>
<td>Professor, Nursing</td>
<td>B.S.N., Consortium of California Universities</td>
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<td>PONCE, GREGORIO</td>
<td>Associate Professor, Mathematics</td>
<td>A.A., Imperial Valley College</td>
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<tr>
<td>RAMSEY, TINA D.</td>
<td>Instructor, English</td>
<td>B.A., M.A., California State University, San Diego</td>
<td>Ed.D., University of San Diego</td>
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<tr>
<td>RAPS, FRANK</td>
<td>Professor, English</td>
<td>B.A., M.A., San Diego State University</td>
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<tr>
<td>RICHARDS-CROFT, DONNA</td>
<td>Instructor, Business</td>
<td>B.B.A., National University</td>
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<tr>
<td>RODGERS, GARY R.</td>
<td>Professor, Administration of Justice</td>
<td>A.B., San Diego State University</td>
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<td>RODGERS, VALERIE</td>
<td>Professor, Business</td>
<td>B.S., San Diego State University</td>
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<tr>
<td>ROMERO, YOLANDA</td>
<td>Associate Professor, Counseling</td>
<td>B.A., M.A., California State University, San Diego</td>
<td>M.A., Webster University</td>
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<td>RUZ, ANGELICA</td>
<td>Instructor, Business</td>
<td>A.A., Imperial Valley College</td>
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<td>SANTIVIVETE, JUDY</td>
<td>Instructor, Business</td>
<td>A.S., Imperial Valley College</td>
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<tr>
<td>SCHOURELL, EDWARD</td>
<td>Instructor, English</td>
<td>B.A., M.A., University of Illinois</td>
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<tr>
<td>SIMPSON, SCOTT</td>
<td>Instructor, English</td>
<td>B.A., University of Maine</td>
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<td>SMITH, MELVIN</td>
<td>Associate Professor, Disab. Students &amp; Services</td>
<td>A.B., San Diego State University</td>
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<td>STANDFORD, SANDRA</td>
<td>Associate Professor</td>
<td>A.A. Kansas City Junior College</td>
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<td>STRoud, V. Jean</td>
<td>Professor, Nursing</td>
<td>B.S.N., University of Missouri</td>
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<td>STUART, BARBARA</td>
<td>Associate Professor, English</td>
<td>B.A., M.A., San Diego State University</td>
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<tr>
<td>TIBODEAUX, MARIALENA</td>
<td>Instructor, Medical Technology</td>
<td>A.S., B.S., Imperial Valley College</td>
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<tr>
<td>TORRES, GABRIEL</td>
<td>Instructor, Spanish</td>
<td>A.S., West Hills Community College</td>
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<td>TRAX, DANIEL</td>
<td>Instructor, Business</td>
<td>B.A., University of California, Davis</td>
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<td>TUCKER, JILL</td>
<td>Instructor, Exercise Science, Wellness &amp; Sport</td>
<td>B.A., Eastern New Mexico University</td>
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<td>VALENTINE, MARTIN</td>
<td>Professor, English</td>
<td>A.B., Agnus State University</td>
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<td>VOLDMAN, ALEKSANDR</td>
<td>Instructor, Mathematics</td>
<td>B.S., Northeastern University</td>
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<tr>
<td>WELCH, THOMAS L.</td>
<td>Assistant Professor, Assistant Librarian</td>
<td>B.A., California State University, Sacramento</td>
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<tr>
<td>WEST, JUNE J.</td>
<td>Research Lab, Technical Specialist</td>
<td>A.A., Point Loma Nazarene College</td>
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<tr>
<td>WILHELM, ROBERT L.</td>
<td>Professor, Geography &amp; Political Science</td>
<td>B.S., M.A., Ph.D., St. Louis University</td>
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<tr>
<td>ZHAO, LIJUNA</td>
<td>Assistant Professor, English</td>
<td>A.B., M.A., San Diego State University</td>
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<tr>
<td>ZIELINSKI, DAVID</td>
<td>Associate Professor, English</td>
<td>B.S., Brigham Young University</td>
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<td>ZORELLI, SHERRY</td>
<td>Instructor, Mathematics</td>
<td>B.S., Weber State University</td>
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<tr>
<td>ZUG, EDWARD</td>
<td>Instructor, Business</td>
<td>B.A., M.S., San Diego State University</td>
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</tbody>
</table>
EMERITUS FACULTY

ANDERSON, LESLIE
Law Enforcement
1967-83
LEWIS, STANLEY H.
Agriculture/Environ. Tech.
1969-83
LANFORD, CONWAY
Constitutional Law
1970-84
LARSSON, HAROLD
Astronomy
1966-84
TOPPER, IRENE
Nursing
1972-85
DUFF, JACK
Constitutional Law
1981-85
RODDEN, ROSE
Health Education
1974-86
STEARNs, HAROLD
Speech
1973-86
THORNHURST, WILLIAM
VP for Business Services
1967-90
POWERS, JEFF
Psychology
1964-89
MELLINGER, ELWOOD
Agriculture
1961-89
LOWE, JUANITA
Art
1961-90
SAXE, ELLEN
Nursing
1981-90
THORNHURST, WILLIAM
VP for Business Services
1967-90
POWERS, JEFF
Psychology
1964-89
MELLINGER, ELWOOD
Agriculture
1961-89
LOWE, JUANITA
Art
1961-90
SAXE, ELLEN
Nursing
1981-90

SANTOS, RAFAEL
Business
1975-99
THOMPSON, BLAINE
Business
1962-99

VALENTE, BARBARA
Early Childhood Education
1978-99
WENDRICK, MARY
English
1990-99

WENDRICK, MEL
Director of DSPS
1973-99
MONTENEGRO, JEAN
English, ESL, and Exercise Science, Wellness & Sport
1966-2000

* Deceased
The Imperial Valley College is located in the Imperial Valley, long recognized as one of the richest, most productive agricultural regions in the country. The mild, delightful winters have made the region attractive to tourists and helped it to become an outstanding recreational area.

The campus is located on a 160-acre site at the intersection of High-way 111 and Aten Road. This location is in the heart of Imperial County and is within reasonable commuting distance of all of the cities of the Valley.

HISTORY OF IMPERIAL VALLEY COLLEGE

The Imperial Valley College is an integral part of the public school system of California and functions as a public community college for lower-division college work.

It had its beginning on May 9, 1922, when the Board of Trustees of the Central Union High School District of El Centro passed a resolution establishing the Central Junior College. This institution formally opened for instruction in September, 1922.

Two years later, in the fall of 1924, the Brawley Union High School District opened classes at the Brawley Junior College. Enrollments increased in both schools until the war years, when attendance dropped. The Brawley Junior College was forced, by lack of attendance, to discontinue classes at the close of the 1945-46 school year.

The Associate in Arts degree was first conferred by Central Junior College in 1934. 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, for 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 followed the steady rise in enrollment and in the diversity of courses and curricula that was offered.

One of the Board of Trustees' recommendations was to enlarge the number of courses and curricula offered by the college, and the name was changed to Imperial Valley College in 1934. The college grew and added a number of buildings, and by 1947 it was an outstanding college.

On October 4, 1960, an all-time state record was set by the Imperial County when they voted thirtieth 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 Valley Junior College District in order to further emphasize the close relationship the college has with its service area.

On October 29, 1961, an impressive ground-breaking service was held for the new campus. Building projects included planning and providing equipment to break ground for the project. The new buildings included a library, science laboratories, fine arts rooms, student activity building, academic classrooms, administration and faculty offices, social science rooms, physical education spaces, the Activities Building, academic classrooms, and the new campus opened in 1962.

A steady growth pattern began in April of 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. Other projects followed which were completed through community donations: The Janey Jackson Memorial Fountain, 1964; 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 a ceremonies conjunction the 50th anniversary of the Imperial Community College District. Also recognized the same day was the opening of the orchestral museum at 442 Main Street in El Centro in buildings donated by H. P. Meyer and the new agricultural welding complex. The museum was named the Bachelor Museum, honoring Michael Barker, deceased. Mr. Barker was an IVC agricultural instructor.

Other buildings projects which followed were: Associated Students Activities Building, 1971; the new Library/ Media Center, 1975, which was later named the Spencer Library Media Center, honoring Terrel Spencer, President Emeritus; the swimming pool complex, 1975; remodeling of the Student Union and the cafeteria into the Imperial College complex, 1977; and the preschool, 1981, which was completed.

In 1975, the Board of Trustees changed the name of the Junior College District Board of Trustees, one of whom comes from the each of the seven high school 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 part of the Coachella Valley Community College District.

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

The college celebrated its 25th anniversary in its current location by recognition ceremonies and programs relating to the signing of the U.S. Constitution two hundred years ago.

A 2.5 million dollar General Obligation Bond for IVC was approved by 73% of the voters in November, 1987. The monies developed by the Bond have allowed the college to do major campus refurbishing and other general improvements such as: Constructing and opening the Health Technologies Building in 1988; more than doubling the number of parking spaces; improving campus lighting; opening an off-campus center in El Centro for the External Campus program; 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.

The Reading/Writing Lab began operating from the Spencer Library. In 1975 a single computer was moved to the IVC campus and this building was dedicated as the Jean Raulston Reading/Writing Lab. In January of 2002, the Reading & Writing Lab and the Language Lab are scheduled to open at a new IVC campus.

Jean Raulston was an English professor. She served IVC for 17 years. She was instrumental in the Reading and Writing Lab programs.

The Child Development Education Center celebrated their 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 established to provide higher educational opportunities for IVC students and train future Early Childhood and Multi-Subject Teachers in the field of Child Education.

The gymnasium was dedicated on May 26, 1996 at the John "Buck" DePaulo Sports Complex. Dr. John DePaulo had served IVC for 30 years. He served as the IVC Superintendent/President for 14 years.

The IVC Desert Museum property is located in Ocotillo, CA just 30 miles from the IVC Campus. The museum property is open to the public and serves the educational needs of IVC students and train future Early Childhood and Multi-Subject Teachers in the field of Child Education.

The institution exists for the benefit of the students of and to the community. It is a special district, one of whom serves as the official representative for the community.

The goals for Imperial Valley College are as follows:

1. Provide quality teaching that is responsive and sensitive to the needs of the individuals served by the college.
2. Provide the staff, particularly the faculty, with the opportunity for advanced education and training for the many of the staff.
3. Provide a quality vocational and professional education for the citizens of Imperial County.
4. Provide the Imperial Valley College with the means to equip the student with marketable skills and to allow members of the work force to upgrade their skills.
5. Provide a two-year degree program, certificate program with specific focus, continuing education courses.
6. Develop a well-rounded formal academic program.

The urban isolation experienced by Imperial Valley College has created the opportunity for the institution to become a leader in instituting a wide range of educational programs, services, and innovations.

In view of this privileged role, the overriding mission of Imperial Valley College is to give the community opportunity and leadership in the future. We are both a leader for new ideas and a servant fulfilling the population's needs. Our offerings must reflect community interests and also present new ideas that will be of significance in the years ahead.

To fulfill this mission, we must know our constituency well. It is a unique institution of the high desert, diamond, and the area is predominantly agricultural with a large minority population, and statistically, it is a low economic sector with Imperial Valley College providing the best opportunity for advanced education and training for many of the residents.

As an educational institution, our primary responsibility is to offer high quality instruction with open access to all adults. Through our offerings, Imperial Valley College seeks to enrich the lives of our students, enhance the quality of life, and provide new opportunities that must be sensitive to the individual and to his/her needs, with the belief that educated people build a strong community.

Our offerings must extend outside of the classroom. Through counseling, special programs, presentations and services, Imperial Valley College strives to contribute to the lives of as many citizens of Imperial County as possible.

The College exists for the benefit of the students and our programs must be relevant to his/her needs.

PROCESS - Close communication between departments, personal contact between staff and students, input by community members of operation, accessibility of services and personnel, diverse programs designed for a diverse population, staff training and sharing of ideas.

We provide a quality vocational and professional education for the citizens of Imperial County.

A major community today is the Imperial Valley College in order to equip the student with marketable skills and to allow members of the work force to upgrade their skills.

PROCESS - Two-year degree programs, certificate programs with specific focus, continuing education courses.

We provide a two-year degree program, certificate program with specific focus, continuing education courses.

We develop a well-rounded formal academic program. Imperial Valley College offers an associate degree program comparable to that offered by colleges throughout the United States.

PROCESS - Staff commitment to high standards and intellectual development, state program with lower division courses, developmental program to prepare students for the mainstream of college work with special assistance for those with academic and economic needs, preprofessional courses and learning aids for students deficient in educational skills.

The Ray White Tool Distribution Center aids the Industrial Technologies and Construction Technology programs.

We provide a high quality instruction with open access to all adults. Through our offerings, Imperial Valley College seeks to enrich the lives of our students and to give the community opportunity.
4. Provide enrichment and special interest programs. Education is a lifelong endeavor; students should not require only regular classes, but rather make 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.

TYPES OF COURSES AND PROGRAMS

In order that Imperial Valley College may achieve its goal of serving all learners, it has to be dedicated to the development, evaluation, improvement, and coordination of all programs and activities as one believes will result in a well-organized general education program. 

I. The Evening College

The Evening College, composed of regular college classes that meet at night, offers an opportunity to work for the Associate in Arts degree or Associate in Science degree, to complete regular division work in a four-year program, to take additional classes of interest that will add to general education.

Although evening college programs require more time to complete than those in regular classes, students find that with adequate planning and the assistance of a counselor, they are able to attain their higher education goals in a surprisingly short time.

II. The Extended Campus

The Extended Campus program provides Imperial Valley County residents practical and convenient access to college courses for continuing education at off-campus locations. The network of centers throughout the district provides daytime and evening classes staffed by part-time faculty members of the main campus faculty, two counselors.

The goal of the evening program is to offer expanded delivery capability, flexibility, and quality instruction to the 14 communities comprising the Imperial Valley District. These community-based classes help solve the problems of isolation experienced by Imperial Valley residents. All classes are scheduled in frequent cycles throughout the year. Students may include Legal Assistant, Hospital Nursing Assistant, Emergency Medical Technician, Microcomputer Operations, Spanish, ESL classes, Administration of Justice, and Fire Science.

Innovations include special training projects funded by the Private Industry Council for a variety of agencies in the County. Classroom facilities are made available through various agencies, churches, school districts, and San Diego State University, Imperial Valley campus.

3. Cooperative Work Experience

Cooperative 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 (work stations) and on-the-job training which has educational value for the students. The units of credit earned may be used to meet some of the graduation requirements.

4. 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 to observe college classes, 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 credit for 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 person who is an entering 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 making the recommendation. The student is authorized to attend community college as a special part-time student pursuant to this section and shall receive credit for credit for community college courses completed in the same manner as if regularly enrolled at the community college.

Each special part-time student shall attend high school classes for at least the minimum school day.

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 school in which the student completed the 11th grade. A principal of a high school may 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 1st 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 counted as credits earned at the community college for the purposes of allowances and apportionments from the State School Fund and the student shall receive credit for college credit in community college courses completed, in the same manner as if a regularly enrolled community college student. (E.C. 76001)

5. Disabled Student Programs and Services

The Disabled Student Programs and Services program is designed to provide supportive services to students with physical disabilities, learning disabilities, psychological disabilities, and health problems. The program provides preferential registration, counseling, class scheduling, tutoring, mobility assistance, interpreters, braille transcribing, adaptive physical education, special parking, and nursing assistance.

6. Imperial Valley College Developmental Preschool & Infant Toddler Center

The preschool is open five days a week from 7:45 a.m. to 4:00 p.m., concurrent with the college calendar. Child care services are available for newborn children to 5 years of age whose parent(s) are TVC students.
DEGREES
The Board of Trustees, on recommendation of the president and faculty of the college, is authorized in accordance with Article 12, Section 102, of the State Administrative Code, Title 5, to confer the Associate in Arts (A.A.) and the Associate in Science (A.S.) degrees. Conditions under which the degrees are granted are outlined in the section on graduation requirements.

The community college degree is awarded to a student who fulfills a two-year organized program of work, either occupational-vocational 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 accorded 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.

Alpha Gamma Sigma (Inactive)

Initial Membership: A person may attain initial membership if the person has:
1. Completed 12 units in a maximum of 3 semesters. No units acquired more than two years prior to application for initial membership shall be used.
2. A cumulative grade point average of 3.5.

Continuing Membership: An initial member may attain continuing membership by:
1. Achieving for the previous semester not less than 3.25 GPA in courses of recognized college standing.
2. Maintaining a cumulative GPA of 3.25 or better in courses of recognized college standing.

Continuing members will receive one semester’s grace for every semester of continuing membership. If a continuing member’s GPA falls below 3.25 but remains above 2.5 (either semester or cumulative), he/she may apply one semester’s grace earned to maintain continuing membership for the semester the earned GPA would apply. There shall be no two consecutive grace periods.

Permanent Member: Any person who has completed a minimum of 60 units of recognized college courses with a minimum of 30 units completed at a community college who applies for permanent membership and who meets either of the following requirements:
1. A person who has maintained a cumulative grade point average of 3.5 or above in all recognized college work.
2. Any continuing member who has maintained a cumulative GPA of 3.25 or better in all recognized college work and has been a member of AGS, Inc., for a minimum of two semesters.

Any courses completed two years prior to application for permanent membership, whether at a community college or other institution of higher education, shall not be used to prohibit any person from becoming a permanent member.

FINANCIAL ASSISTANCE
Imperial Valley College believes that no student who has the ability to profit from instruction should be denied an education due to a lack of financial means.

There are several types of aid available to needy, deserving students each year. 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.

Imperial Valley College determines the amount of federal financial aid that a student is eligible for in accordance with federal law. 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 Assistance Office located in the Counseling Center.

EXPENSES
All Fees and Tuition are due and payable at the time of registration. Registration in courses WILL NOT be finalized until the college has received full payment.

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

FEES
Enrollment Fee (Subject to Change) $11.00 per unit
Parking Fee $15.00 per vehicle
First vehicle
After last registration
Each additional vehicle $20.00 per vehicle
$15.00 per vehicle

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

EXPLANATION OF FEES
The Enrollment Fee mandated by the California State Legislature, with the approval of the Governor, 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.

TUITION
Nonresident and international students are required to pay tuition charges of $134.00 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, 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 $10.00 for checks returned to the college because of insufficient funds.

REFUND POLICY
Upon completion of refund request form, reimbursement in full will be made for the following:
1. Fee or tuition collected in error
2. Fee or tuition for a discontinued class

A student refund request form must be completed and filed prior to the close of the registration in order to receive reimbursement for the following:
1. Enrollment Fee
2. Parking Fee
3. Tuition

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 registration packet.

ACCREDITATION
The college is officially accredited by the Accrediting Commission for Junior Colleges, Western Association of Schools and Colleges, American Welding Society, the State Department of Education, and the Commission on Peace and Security in the Americas. Accreditation reports are available and may be reviewed at the office of the President.

COUNSELING AND GUIDANCE SERVICES
It is the aim of Imperial Valley College to provide all students with pertinent information which they will need in the formulation of their goals and objectives and to assist them in making the most of their potentialities and training. Counseling is made available by professional counselors, well-trained 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 8:00 p.m., Monday through Thursday, and 8:00 a.m. and 5:00 p.m. on Friday, during the school year. A Career Center is located in the Counseling Center and provides extensive 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. In the Counseling Center students have access to a reference library of catalogs from various colleges and universities.

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 agreement 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, MiraCosta, Palomar, San Diego City, San Diego Mesa, and Southwestern Colleges.
**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 Imperial Valley College 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. Fax transcripts will cost $12.00 each and will be unofficial.

**FOREIGN TRANSCRIPTS**

Imperial Valley College does not evaluate foreign transcripts. An enrolled student may request a form from the Admissions Office to have a foreign transcript evaluated by:

- International Education Research Foundation, Inc.
  P.O. Box 66940
  Imperial, CA 92251
- Los Angeles, CA 90066

By student petition, Imperial Valley College may accept lower division course work recommended by I. E. R. F. W. if appropriate.

**FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974**

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

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

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

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

If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information concerning 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 support staff position (including law enforcement unit personnel and health staff), a person or company with whom the College has entered into a service or marketing agreement, a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

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

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 any alleged failure of the 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 Office on each 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 with/without withdrawal dates, and 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.

**AFFIRMATIVE ACTION POLICY**


**NONDISCRIMINATION POLICY**

Imperial Valley College does not discriminate in the admission nor in the offering of programs and activities because of race, color, religion, age, marital status, national origin, sex, or handicap.

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

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

The coordinator for Imperial Valley College's compliance with Section 504 of the Rehabilitation Act of 1973 is Rut H. Montenegro, P.O. Box 158, Imperial, CA 92251, (760) 352-8320, Ext. 212,TTY (760) 355-4714. The Title IX officer for Imperial Valley College is Norma Nava, P.O. Box 158, Imperial, CA 92251, (760) 352-8320, Ext. 260.

**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 maintains his/her last place of abode. The minor may establish his/her residence when both parents are deceased and a legal guardian has not been appointed.

5. The residence of an unmarried minor, who has a parent living, cannot be changed by his/her own act, by the appointment of a legal guardian, or by relinquishment of a parents' right of control, unless the student qualifies for the self-supporting exception.

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

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 residence determination date, may add their pre-18-years-of-age residence to their post-18-years-of-age residence to obtain the duration 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.

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

5. Adults who hold the following classification are to be able to establish residency using the same criteria as would be applied when evaluating any United States citizen:
   a. Career Diplomat Visa
   b. Broad Visa

6. A student holding a valid credential authorizing service in a public school and employing a certificated position by a community college district will be given resident classification.

7. A student who is an apprentice within the meaning of Section 3077 of the Labor Code, is entitled to resident classification.

8. 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.

9. 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 return, if he/she has sufficient income to have a personal income tax liability.

10. A student may be classified as a district resident if he/she earns a livelihood primarily by performing agricultural labor for hire in California and other states, and he/she has performed such labor in this state for at least two months per year in each of the two preceding years.

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

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

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

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

STUDY LIST LIMITATIONS

A regular full-time program is 12 to 18 units. An average of 15 to 16 units must be taken in two years or four semesters.

A regular full-time program for summer session is six (6) units.

The maximum load allowed for students is 18 units, including an activity course in physical education. 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.

A student who is currently enrolled in another school or college (including correspondence courses or independent study) must report this enrollment to the Registration Office. The total number of units carried during a semester for all college work may not exceed the 18 unit limit.

5. Enroll in short-term classes up to one-tenth of the way through the class.

6. The last day to drop a short-term class with a "W" grade is seventy-five percent of the way through the class.

7. Fees may be refunded up to one-tenth of the way through the class.

8. Units and grades for the class 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.

CHANGES IN CLASS SCHEDULES

When registering, it is expected that a student's registration schedule shall not be completed on a trial basis; therefore, students are expected, at the time they file their registration, to make no further changes. If a change must be made, students may add classes within a designated period at the beginning of each semester. Changes will be made by obtaining an add card and approval of the instructor and then filing with the Registration Office.

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. GRADERS
   a. A Excellent
   b. B Better Than Average
   c. Average
   d. Below Average
   e. Failing
   f. Incomplete

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 semester, shall be converted to a letter grade. The letter grade shall be used in computing grade point average.

2. CREDIT GRADE

Certain courses designated by the appropriate divisions may be taken for a Cr grade. Students must declare their intentions to the instructor by the sixth week of the semester.

a. Cr will reflect a letter grade of C or higher.

b. NC will reflect incompleteness of a credit class.
6. Grade Points

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

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

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

7. 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.

8. Credit for Advanced Placement Examinations

Imperial Valley College grants credit toward its associate degree 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 ten 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>
<thead>
<tr>
<th>Exam Score</th>
<th>Credit Allowed Toward IVC Associate Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Art Studio</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>General Drawing</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Biology</td>
<td>3.45 Four (4) semester units</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Computer Science</td>
<td>3.45 Three (3) semester units</td>
</tr>
<tr>
<td>Economics</td>
<td>3.45 Three (3) semester units</td>
</tr>
<tr>
<td>Macro</td>
<td>3.45 Three (3) semester units</td>
</tr>
<tr>
<td>Micro English</td>
<td>3.45 Three (3) semester units</td>
</tr>
<tr>
<td>Lang &amp; Comp</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Comp &amp; Lit</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>French Language</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>History</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>American</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>European</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>3.45 Five (5) semester units</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3.45 Six (6) semester units</td>
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<tr>
<td>Calculus AB &amp; BC</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Statistics</td>
<td>3.45 Three (3) semester units</td>
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<tr>
<td>Music</td>
<td>3.45 Five (5) semester units</td>
</tr>
<tr>
<td>Music Listening/Lit</td>
<td>3.45 Three (3) semester units</td>
</tr>
<tr>
<td>Physics B</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>(Mech)</td>
<td>3.45 Five (5) semester units</td>
</tr>
<tr>
<td>(Elect/Eng)</td>
<td>3.45 Five (5) semester units</td>
</tr>
<tr>
<td>Political Science</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Govt/Poli Art</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Govt/Poli Comp</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Govt/Poli Am &amp; Comp</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Psychology</td>
<td>3.45 Six (6) semester units</td>
</tr>
<tr>
<td>Spanish Lang</td>
<td>3.45 Six (6) semester units</td>
</tr>
</tbody>
</table>

9. College Credit for Regional Occupational Program Courses

**Policy**

Imperial Valley College grants credit toward the associate degree for completion of specific Regional Occupational Program (ROP) courses and high school courses which have been articulated with Imperial Valley College courses. IVC credit is granted for those courses only when:

1. The ROP course has been completed with at least a "B" grade.
2. The High School/ROP instructor has recommended the student.
3. The higher level course is completed at IVC with at least a "C" grade for a Business Office Technology or a Nursing course and at least a "B" grade for an Administration of Justice course.

Students who intend to participate in this program should follow the procedure listed below.

**Procedure**

1. The student must be currently enrolled at Imperial Valley College.
2. The student must file an official ROP Certificate or an official high school transcript, which will include course grade and High School/ROP instructor recommendation with the Registrar at Imperial Valley College.
3. After the higher level course is completed at IVC with the required grade, the student must petition to receive credit for the articulated course. An IVC counselor must sign the petition and attach a copy of the ROP Certificate or high school transcript as well as a copy of the IVC transcript to the petition.

**Institutions with Articulated Courses**

- Brawley High School
- Calixto High School
- Calipatria High School
- Central Union High School
- Holtville High School
- Regional Occupational Program (ROP)
- Southwestern High School

For specific courses, see articulation agreements which are on file in the Applied Sciences Office and the Counseling Center Office.

10. Nursing - Advanced Placement Policy

**Policy**

Imperial Valley College offers two advanced placement tracks for LVN students wishing to advance their RN level. Advanced placement applies to ALL LVNs including IVC VN graduates. Admission is based on a space available basis.

**Track I**

Applicants who meet the admission criteria of the Imperial Valley College Nursing Program will be granted advanced placement upon meeting all of the following requirements:

1. Copy of high school transcript or diploma or GED.
2. Hold current license to practice as a Vocational Nurse in California.
3. Complete one year of employment after being licensed as an LVN.
4. Complete the following courses with a grade of "C" or better before applying:
   - Anatomy
   - (or ANAT End PHYSIO1) 5 units
   - BOL1, 21 3 units
   - ENGL 1A 3 units
   - PSYCH 1A** 3 units
   - PSYCH 35** 3 units
   - Humanities Elective 3 units
   - Oral Communication 3 units
   - American Institutions (may be completed in the fourth semester or before)
   - (may be completed in the fourth semester or before)

   **Courses must be taken within the prior five (5) years.
   **Courses must be taken within the past 10 years.

Students are advised to meet with their counselor to confirm both Nursing and Degree requirements for graduation.

A minimum grade point average of 2.0 (C) on completed college work is required.

5. Pass the National League for Nursing (NLN) Mobility Profile Exam:
   - **Foundations of Nursing** (to pass through NURS 1AR, 1BR, and 2BR)
   - **Nursing Care of Childbearing and Nursing Care of the Child** (to pass through NURS 2AR)

**Application Procedure**

After completion of entrance requirements:

1. Make an appointment with the director of nursing to determine admission.
2. Apply to Nursing Program. DEADLINES are August 1st for Spring admission and March 1st for Fall admission. Attach copies of LVN license and CPR certification. Letters of recommendation are not required.
3. Submit official transcripts of previous college courses including Imperial Valley College.
4. Submit two letters of work employment as an LVN.
5. Complete necessary health forms.
6. Complete the NURS 5, Transition Course, offered in the Summer only.
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.

- Presentation of the DD214 (minimum of 180 days active duty to include basic training) to the Veterans Assistant may allow the veterans 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).
- Additional military credit will be considered by petition and presentation of proper documentation.
- 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.

SEMINSTER GRADE REPORTS
An end-of-the-semester grade report will be issued to the student by the Registration Office.

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 Life.
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.

If Complaint is About: Faculty: Division Chairperson/Director
Division Chairperson/Vice President for Academic Services
Administrator: Dean/Vice President
An Other Student: Dean of Admissions

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 of the Dean of Admissions regarding non-academic matters.

The Vice President for Academic Services or the Dean of Admissions will respond in writing to the complaint within ten (10) instructional days of receipt of complaint.

Students’ Complaint forms are available from:
Dean of Admissions Office Ext. 201
Director of Disabled Student Services Office Ext. 312
Programs & Services
Title IX Officer Counseling Ext. 314

Step 4: If a student is not satisfied with the decision made by the Vice President for Academic Services or Dean of Admissions; 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 Life Committee.


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 Dean of Admissions 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 make its decision by majority vote and prepare a written statement containing findings of fact, conclusions and its recommendation to the President/Superintendent for his/her approval, rejection or modification. The student will be instructed to contact the Dean of Admissions 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 President/Superintendent, 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 President/Superintendent within five (5) instructional days of the hearing.

The President/Superintendent 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 President/Superintendent, 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 (a) 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 at Imperial Valley College. All nondistrict, self-propelled and/or any motor driven means of movement, other than wheelchairs, are prohibited from using campus sidewalks and playing courts.

Step 7 Petition Process

The petition process is used to request exemptions 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 nonattendance 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. Further, an instructor may drop any student adjudged to be a disturbing element in the class. 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”)

ACADEMIC DISMISSAL

Academic Dismissal is a system of forced interruption in attendance at Imperial Valley College in those instances where a student is unable to maintain satisfactory progress in achieving academic programs within the limit of available resources of the college.

Students are subject to the following two types of academic dismissal:
Scholastic Dismissal

Evaluation for Scholastic Dismissal occurs at the end of both the Fall semester and the Spring semester when a student has previously been placed on Scholastic Probation, and has a cumulative grade point average of 1.75 or less in the last three consecutive semesters of enrollment. The student will be notified by letter as soon as possible after the semester in which the dismissal evaluation occurs. The dismissed student will not be allowed to enroll during the next semester (the exception being a student who is dismissed for the Fall semester but remains registered for the Spring semester). That student will be allowed to continue classes for the Spring semester, at the end of which the student will be reevaluated for Dismissal. The dismissed student will not be allowed to enroll for the next semester (except by special approval upon petition to the Admissions, Registration and Petition’s Committee).

Lack-of-Progress Dismissal

Evaluation for Lack-of-Progress Dismissal occurs at the end of both the Fall semester and the Spring semester when a student has previously been placed on Lack-of-Progress Probation, and has 50% or more of recorded enrollment of "W", "I", or "NC" in the last three consecutive semesters of enrollment. The dismissed student will not be allowed to enroll during the next semester (the exception being a student who is dismissed for the Fall semester but has registered for the Spring semester). That student will be allowed to continue classes for the Spring semester, at the end of which the student will be reevaluated for Dismissal. The dismissed student will not be allowed to enroll for the next semester (except by special approval upon petition to the Admissions, Registration and Petition’s Committee).

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 many rules, regulations, and procedures that influence the benefit process. FAILURE TO TAKE THE PROPER CLASSES CAN RESULT IN THE REDUCTION OR TERMINATION OF BENEFITS.

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

Military Credit

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

A. Presentation of the DE224 (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 Lack-of-Progress Probation. Students who have previously been placed on Lack-of-Progress 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, 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, 2022 Camino del Río North, San Diego, CA 92108 for necessary forms. Students who have previously been placed on Lack-of-Progress Probation and have 50% or more enrollment grades of "F", "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.

DVA Service Connected Disability Benefits Programs

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

Veteran's 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 of the state of California. Inquiries regarding these benefits should be made through the DVA Regional Office at 2022 Camino del Río North, San Diego, CA 92108.
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 6th week of each semester. Summer graduates must petition no later than the end of the fourth week of the Spring semester. A $10.00 non-refundable fee must accompany the petition for graduation.

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.

A. 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.

B. 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.

D. Settlement of all financial obligations to the college.

A. A.A.S. Business Office Tech.: Administrative Assistant
A. A.S. Business Office Tech.: Office Technician
A. A.S. Computer Information Systems
A. A.S. Correctional Science
A. A.S. Early Childhood Education
A. A.S. Early Childhood Education Infant/Toddler
A. A.S. Emergency Medical Services
A. A.S. English
A. A.S. Environmental Technology
A. A.S. Fire Technology
A. A.S. French
A. A.S. General Major
A. A.S. General Science
A. A.S. Human Relations
A. A.S. Interdisciplinary
A. A.S. Journalism
A. A.S. Legal Assistant
A. A.S. Liberal Studies - Elementary Teacher Preparation
A. A.S. Life Science
A. A.S. Mathematics
A. A.S. Music
A. A.S. Nursing (Associate Degree-Registered)
A. A.S. Nursing (Vocational)
A. A.S. Patient Services Administration
A. A.S. Physical Education
A. A.S. Physical Science
A. A.S. Pre-Engineering
A. A.S. Psychology
A. A.S. Real Estate
A. A.S. Recreation
A. A.S. Rehabilitation Technician for the Physically Limited
A. A.S. Social Science
A. A.S. Spanish: Native
A. A.S. Spanish: Non-Native
A. A.S. Transfer Studies
A. A.S. Water Treatment Technology
A. A.S. Welding Technology

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III. INSTITUTIONAL REQUIREMENTS

A. American Institutions (select one sequence)
   1. HIST 17A and HIST 17B
   2. POL 51 and POL 52
   3. HIST 17A and POL 51
   4. HIST 17B and POL 52
   5. SOCI 52 (Nontransferable; A/AAS degree only)

B. Health Education: Health Education 1 or Health Education 3 (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-295 forms covering all periods of military service must be on file in the Veterans Office to officially request Health education credit.

C. Physical Education 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-295 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: Score of 35 or higher on the Elementary Algebra Test or Math 080 (formerly Math X) with a grade of "C" or better or a higher level Math with a grade of "C" or better. NOTE: The Elementary Algebra Test is NOT the placement examination.

B. Reading Competency: Score of 64 or higher on the Diagnostic Reading Power (DRP) or ENGL 11B with grade of "C" or better or ENGL 11 with a grade of "C" or better.

V. GENERAL EDUCATION

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

B. A general education course may be used to satisfy both a general education requirement and a major requirement.

A. LANGUAGE AND RATIONALITY

1. English Composition (3 units required)
   (with grade of "C" or better)

   ENGL 1A Reading & Composition

   OR

   ENGL 2B Basic English Composition

C. HUMANITIES

A. A.S. Behavioral Science
A. A.S. Business Administration
A. A.S. Business Financial Services
A. A.S. Business Management
A. A.S. Business Marketing
A. A.S. Business Retailing
A. A.S. Business Office Tech.: Accounting Technician

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2. Communication & Analytical Thinking

   (3 units required)

   CIS 1 Intro. to Information Systems
   CIS 10 Programming in Cobol
   CIS 12 Programming in Basic
   ENGL 3 Survey of American Literature
   ENGL 50 Advanced Composition
   ENGL 52 Introduction to Linguistics
   ENGL 53AB Creative Writing
   ENGL 55 Intro. to Tech & Report Writing
   JRN 1 Introduction to Journalism
   MATH 090 Intermediate Algebra
   MATH 190 Advanced Algebra & Trigonometry
   MATH 192 Calculus I
   MATH 110 Number Systems in Elementary Education
   MATH 120 Intro Statistics w/Applications
   MATH 124 Intro Calculus w/Applications
   MATH 130 Programming in Fortran
   PEIL 10 Logic
   SPCH 1 Oral Communication
   SPCH 10 Argumentation and Debate

B. NATURAL SCIENCE

A. A.A.S. American Sign Language
A. A.S. Anatomy
A. A.S. Anthropology
A. A.S. Art
A. A.S. Automotive Body Repair and Painting
A. A.S. Automotive Technology
A. A.S. Behavior Science
A. A.A.S. Business Administration
A. A.A.S. Business Financial Services
A. A.A.S. Business Management
A. A.A.S. Business Marketing
A. A.A.S. Business Retailing
A. A.S. Business Office Tech.: Accounting Technician

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## D. SOCIAL AND BEHAVIORAL SCIENCES

(3 units required)

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<tr>
<td>AG 30</td>
<td>Food &amp; Fiber in a Changing World</td>
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<td>Introduction to Counseling</td>
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<td>Human Svcs in a Changing Society</td>
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<td>Elementary Anthropology</td>
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<td>ANTH 3B</td>
<td>Intro to Archaeological Excavations</td>
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<td>ANTH 4</td>
<td>Cultural Indians</td>
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<td>ANTH 6</td>
<td>Indians of North America</td>
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<td>ANTH 8</td>
<td>Indians of the Southwest</td>
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<td>Understanding Exceptional Students</td>
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<td>MUS 10</td>
<td>Chamber Singers</td>
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<td>MUS 20A</td>
<td>The Mexican American in Literature</td>
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<td>MUS 20B</td>
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<td>Psychology of Effective Behavior</td>
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<td>PSYC 30</td>
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<td>SOC 2</td>
<td>Social Problems</td>
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<td>SOC 17</td>
<td>Social Psychology (same as PSYC 17)</td>
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<td>SOC 33</td>
<td>Marriage and the Family</td>
</tr>
<tr>
<td>SOC 50</td>
<td>Human Svcs in a Changing Society</td>
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</tbody>
</table>

## E. ELECTIVE (3 units required)

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

## TRANSFER REQUIREMENTS

Two principal requirements must be met in order to attain full junior standing as a California State University or the University of California, or other institutions maintaining equivalent standards to which the student expects to transfer. These are as follows:

1. The completion of the specified requirements for junior standing in the proposed senior college or university; and
2. The completion of the lower-division prerequisites for upperdivision majors and minors.

These vary according to the requirements of the institution of higher education in which the student expects to enroll. A STUDENT EXPECTING TO TRANSFER TO SUCH AN INSTITUTION SHOULD CONSULT THE UNIVERSITY CATALOG OF THAT机构 REGARDING SPECIFIC REQUIREMENTS and plan their Imperial Valley College work so that these requirements will be met. Additional information is available in the Counseling Center.

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

A student planning to transfer to the California State University system and/or the University of California 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 formation; the social sciences category; and the humanities category; 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 (1 course required)
   - SPCH 1 (3)
2. Written Communication (1 course required)
   - ENGL 1A (3)
3. Critical Thinking (1 course required)
   - ENGL 11 (3.5)
   - PHIL 10 (3)
   - ENGL 50 (3)
   - SPCH 10 (3)

### B. PHYSICAL UNIVERSE AND ITS LIFE FORMS (9 semester or 12 quarter units at least one lab course marked with an L)

1. Physical Science (1 course required)
   - AGENVY S (3)
   - CHEM 12A (5)
   - AGENVY B (3)
   - CHEM 12B (5)
   - ASTR 21 (3)
   - GEOG 1 (3)
   - CHEM 1A (3)
   - PHYS 4A (3)
   - CHEM 2A (3)
   - PHYS 4B (3)
   - CHEM 3A (4)
   - PHYS 5C (4)
   - CHEM 5A (4)
   - PHYS 10 (4)
2. Life Science (1 course required)
   - AG 14 (3)
   - BIOL 21 (5)
   - ANAT 8 (4)
   - BIOL 1 (4)
   - ANTH 1 (3)
   - ZOOL 1A (3)
   - BIOL 34 (4)
   - ZOOL 1B (4)
3. Math/Quantitative Reasoning (1 course required)
   - MATH 110 (3)
   - MATH 100 (5)
   - MATH 112 (3)
   - MATH 192 (5)
   - MATH 160 (3)
   - MATH 154 (3)
   - MATH 122 (3)
   - MATH 210 (5)
   - MATH 24 (4)
   - MATH 220 (3)
   - MATH 230 (3)

### C. ARTS, LITERATURE, PHILOSOPHY, AND FOREIGN LANGUAGE (9 semester or 12 quarter units)

3 courses must be completed with at least 1 course from the Arts category and 1 course from the Humanities category.

### Arts Category

- ART 3A (3)
- MUS 7 (3)
- ART 3B (3)
- MUS 20A (3)
- ART 4 (3)
- MUS 20B (3)
- ART 5 (3)
- MUS 30 (3)
- HUM 21/PSE 63 (3)
- MUS 31 (3)
- TRBA 1 (3)

### Humanities Category

- AMST 10 (4)
- ENGL 41B (3)
- AMST 11 (4)
- HIST 4A (3)
- AMST 12 (3)
- HIST 4B (3)
- ENGL 1B (3)
- HIST 50A* (3)
- ENGL 41A (3)
- HIST 50B* (3)
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 of 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.

ENGL 1A (3)

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 1A (3)

B. Critical Thinking/English Composition - 3 semester/4-5 quarter units.

ENGL 50 (3)

C. Oral Communication - 3 semester/4-5 quarter units.

PSCH 1** (3)

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

MATH 122 (5) MATH 210 (5)

MATH 190 (5) MATH 220 (3)

MATH 192 (5) MATH 230 (3)

MATH 194 (5) MATH 120 (3)

HUM 124 (4)

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.

ART COURSES

ANTH 16A (3) MUS 9B (3)

ANTH 16B (3) MUS 9C (3)

ART 3A (3) MUS 9D (3)

ART 2B (3) MUS 20A (3)

ART 5 (3) MUS 36 (3)

MUS 7** (3) MUS 31 (3)

MUS 9A 9 (THEA 1 (3)

HUMANITIES COURSES

ENGL 1B (3) HIST 45B* (3)

ENGL 42A (3) HIST 50A* (3)

ENGL 42B (3) HIST 50B* (3)

ENGL 43A (3) HUM 1A (3)

ENGL 43B (3) HUM 1B (3)

ENGL 46A/SNAP 28A (3) HUM 25 (3)

ENGL 46B/SNAP 28B (3) HUM 26 (3)

ENGL 47 (3) PHI 1A (3)

ENGL 32 (3) PHI 1B (3)

FREN 2** (5) PHI 11 (3)

FREN 2A-2B** (2.5, 2.5) PHIL 25 (3)

FREN 4 (3) SPAN 2** (5)

FREN 4 (3) SPAN 2A-2B** (2.5-2.5)

FREN 5 (3) SPAN 3** (5)

GERM 2 (3) SPAN 4** (5)

HIST 4A* (3) SPAN 20A** (5)

HIST 4B* (3) SPAN 20B** (5)

HIST 45A* (3) SPAN 45A** (5)

HUM 1** (3) SPAN 45B** (5)

HIST 17A* (3) SOC 3 (3)

HIST 17B* (3) SOC 3 (3)

HUM 45A* (3) SOC 1 (3)

HIST 45A (3) SOC 2 (3)

HIST 45B** (3) SOC 10 (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

ASTR 21 (3) CHEM 12B (L) (4)

CHEM 1A (L) (5) GEOL 1* (3)

CHEM 1B (L) (5) PHYS 4A** (5) (L)

CHEM 2A** (L) (5) PHYS 4B** (5) (L)

CHEM 5 (L) (4) PHYS 4C** (5) (L)

CHEM 12A (L) (4)

BIOLOGICAL SCIENCE COURSES

AG 14 (L) (3) BIOL 21 (L) (5)

ANTH 8** (L) (4) PHYSIO 1** (4) (L)

ANTH 10** (L) (5) PSYCH 2* (3)

ANTH 11 (3) ZOOL 1A (L) (4)

BIOL 34** (L) (4) ZOOL 1B (L) (4)

6. LANGUAGE OTHER THAN ENGLISH

(UC Requirement Only)

Complete 2 years of the same foreign language in high school with a grade of C or better OR earn a score of 3 or higher in the College Board Advanced Placement exams in languages other than English OR earn a satisfactory score on the SAT II: Subject Test in languages other than English, (see 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 1** (3) JPN 1A-1B** (3-3)

FREN 1A-1B** (2.5-2.5) SPAN 1** (3)

GERM 1A-1B** (2.5-2.5) SPAN 1** (3)

*A indicates course may only be counted in one area.

** Indicates course completed in D, Part 1.

*** Indicates course completed in D, Part 2.
7. CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION AND AMERICAN IDEAS

(Not part of IGEC; may be completed prior to transfer)
Courses used to meet this requirement may NOT be used to satisfy requirements for IGEC.
6 units, choose 1 sequence from list below.

1. HIST 17A-HIST 17B (3-3)
2. POL S 1-POL S 2 (3-3)
3. HIST 17A-POL S 1 (3-3)
4. HIST 17B-POL S 2 (3-3)

*Courses designated with an 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 IGEC credit.

SUPPLEMENTARY CURRICULUM

Imperial Valley College has developed career programs which reflect emerging 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. It is recommended that students 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.

CERTIFICATES

Occupational 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 an Occupational Certificate, a student must:

1. Complete all courses listed for a particular certificate.
2. Achieve a "C" grade average (2.0 GPA) for all courses used to complete the certificate.
3. File a certificate petition with the Registrar not later than the end of the fourth week of each semester and the first week of the summer session.

Certificates are offered in the following areas:
- Administration of Justice
- Agricultural Business Management
- Agricultural Engineering Technology
- Alcohol and Drug Studies
- Automotive Air Conditioning
- Automotive Body Repair and Painting
- Automotive Brakes, Suspension and Wheel Alignment
- Automotive Electromechanics
- Automotive Power Train
- Automotive Technology
- Basic Computer Skills
- Business Financial Services
- Business Management
- Business Marketing
- Business Office Technologies: Accounting Technician
- Business Office Technologies: Administrative Assistant
- Business Office Technologies: Office Technician
- Business Retailing
- Computer Information Systems
- Correctional Science
- Crop Science
- Early Childhood Assistant
- Early Childhood Associate Teacher
- Early Childhood Education
- Early Childhood Education Infant/Toddler
- Early Childhood Education Family Child Care
- Electronics
- Emergency Medical Technician I
- Emergency Medical Technician II
- Emergency Medical Technician-Paramedic
- Engine Mechanic
- Ergonomics
- Environmental Technology
- Field Archaeology
- Fiber Technology
- Health Assistant
- Hemodialysis Technician
- Home Health Aide
- Human Relations
- Legal Assistant
- Library Technology
- Medical Assistant
- Medical Office Assistant
- Nutrition Management - Dietary Manager
- Nutrition Management - School Food Services Manager
- Patient Services Administration Specialist
- Pharmacy Technician
- Real Estate
- Recreation
- Rehabilitation Technician for the Physically Limited
- Vocational Nutrition
- Waste Water Technology
- Water Treatment Technology
- Welding Technology

For that course of the College Imperial may logar meta de servir a todo estudiante que desea una educaci6n, una variedad de cursos asiste a la disposici6n del estudiante. Algunos de los cursos pueden ofrecer al estudiante destrezas para obtener un trabajo. Otros cursos ofrecen educaci6n general, la cual ayuda a todo estudiante a vivir vidas productivas dentro de una sociedad compleja como la nuestra. Además, otros tipos de cursos proponen el conocimiento básico para que el estudiante continúe sus estudios en instituciones superiores de cuatro años.

Un estudiante puede cursar los primeros dos anos del estudio universitario en el colegio, tomando clases de educaci6n general. Asi, el estudiante tiene la oportunidad de iniciar sus estudios superiores mientras vive cerca de su hogar. Esta oportunidad no s610 permite que el estudiante ahonde dinero sino que tambien ofrece al estudiante un transici6n de la preparatoria a un recinto de estudio de dos anos y posteriormente a una instituci6n de cuatro anos. La ambiente amigable y colegial presenta la oportunidad a cada estudiante para que se familiaricen con sus maestros y participen en el programa de asesoramiento acad6mico; estas invaluables oportunidades estan disponibles para el estudiante, oportunidades que tal vez no esten disponibles en otras instituciones debido al alto indice de poblaci6n estudiantil. El estudiante no s610 recibe asistencia personal de un asesor acad6mico, pero tam­bién tiene las oportunidades de liderazgo en asuntos estudiantiles.

El programa de asesoramiento acad6mico, asiste en la determinaci6n y recomendaci6n de las clases en las cuales se inscriba el estudiante. Esto permite al estudiante fijarse metas acad6micas en una forma sistem6tica e incluir cursos de estudio que mas le benefician. Muchas de las necesidades del estudiante (empleo, escuela secundaria, etc.) pueden ser satisfactoriamente terminado al segundo curso de estudio del colegio en el programa de estudio para quienes se benefician de un curso de estudios vocacionales que ofrece el colegio. El estudiante tambien ofrece un programa completo y organizado en educaci6n general para el estudiante que solo desea cursos preparatorios para ingresar a una instituci6n de estudio superiores de cuatro anos.

El programa de estudio es el colegio tambien incluye cursos de estudio para personas que no pudieron terminar los requisitos para 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 determinaran si la persona seguiran tomando cursos en el futuro.

Existen cinco programas diseñados para los siguentes grupos de estudiantes: estudiantes que solo pueden tomar clases de noche; estudiantes que no pueden asistir al colegio tiempo completo; estudiantes que deseen coordinar su programa de estudio con algun trabajo en el colegio; estudiantes sobresalientes del onceno o doceavo grado; estudiantes de la preparatoria que deseen cursar clases especiales a nivel de colegio; y por ultimo a los estudiantes que tengan alguna incapacidad física.

Un programa de estudio de turno vespertino toma m6s tiempo que un programa de estudio matutino y vespertino. La facultad del curso externo es de media jornada. El curso externo tambien cuenta con personal administrativo y tres asesores acad6micos.

La meta del Colegio Extendido es de ofrecer un programa de estudio extenso, flexible, y de calidad a las 14 comunitades que se encuentran en el Distrito del Colegio Imperial. Estas clases ayudan a minorar el problema de aislamiento, que afecta a un gran numero de residentes del Valle Imperial. Las clases se ofrecen de una forma constante y sistemtica durante todo el ano. Se ofrecen clases en las siguientes areas de estudio: Técnico Médico de Emergencias, Bienes y Raices, Operaciones de Microcomputadoras, Españoles, y clases de legfica. Tambien se ofrecen clases de introduccion en el campo de Tecnologicas en Salud, Administracion de Justicia, y Ciencia de Extincion de Incendios.

Los programas incorporan incluyen proyectos de capacitacion costeados por el Concilio del Sector Privado para una variedad de actividades estudiantiles que busca aplantar y desarrollar, y la Universidad de San Diego en el Valle Imperial facilitan el uso de sus instalaciones para llevar acabo tal capacitacion.

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 publicos o privados de la comunidad. El colegio provee la organizacion y la coordinacion de los distintos lugares con distintos empleos que emplean a los estudiantes ofrecen las localidades donde pueden trabajar y capacitarse. Las unidades que obtengan pueden utilizarse para rehuar algunos de los requisitos para su diploma de graduacion.

4. 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 academico tienen un papel de expectador en actividades estudiantiles y extracurriculares. Si el estudiante desea puede solicitar asesoramiento academico en el colegio, pero se recomienda que haga un esfuerzo por pedir la ayuda de un asesor academico en su propia escuela.
El presidente de cualquier colegio comunitario está autorizado para admitir a los estudiantes de preparatoria de medio tiempo que hayan terminado el otoño semestre. El director de la preparatoria puede recomendar a un estudiante de tiempo parcial para algunos cursos que también pueda mantener un promedio acumulativo de 3.5 o mejor en todas las clases avanzadas. En el caso de los estudiantes externos que no puedan contratar 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 transporte.

**Cuota de Matrícula**

Los estudiantes no residentes del estado o extranjeros tienen que pagar la cuota de matrícula de $13,000 dólares por unidad más las cuotas de pago citadas.

El colegio aceptará los pagos de estudiantes no residentes o extranjeros en efectivo, giros postales, cheques de bancos, cheques de viajeros, o cheques de país.

El colegio no aceptará los pagos de estudiantes no residentes o extranjeros mediante transferencia bancaria.

**Otros Gastos/Cuotas**

Habrá un cobro de $12,000 por cada cheque que sea devuelto al colegio por falta de fondos.

**POLIZA DE REEMBOLSO**

El colegio no reembolsará la matrícula por cualquier razón. El estudiante se quedará con el estudiante de matrícula.

La cuota de matrícula para un estudiante que se reincorpore a la matrícula puede otorgarse a la oficina de Asistencia Financiera ubicada en el Centro de Asesoramiento.

**GASTOS**

Los cobros y cuotas de inscripción se pagan cuando se inscribe. Inscripciones no reembolsables.

**Cuotas**

- Cuota de Inscripción (Procesa a cambio): $11,00 por unidad
- Cuota por el permiso de estacionamiento:
  - Primer vehículo: $15,00 por vehículo (antes de las últimas inscripciones)
  - Segundo vehículo: $20,00 por vehículo
- Vehículo Adicional: $15,00 por vehículo

**Responsabilidades Financieras**

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

**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 adjunta al paquete de inscripción.

**ACREDITACION**

El colegio está oficialmente acreditado por Accrediting Commission of Junior Colleges, Western Association of Schools and Colleges, American Weather Service, State Department of Education, y Comision de Peace Officers Standards and Training. La Universidad de California, y otros colegios y universidades aceptan las unidades obtenidas en este colegio.

**SERVICIOS DE ASERRERAMIENTO ACADEMICO**

Es la intención del Colegio ofrecer a todos los estudiantes información pertinente a la cual necesitarán en el formación de sus metas y objetivos, y asistirle a aprovechar al máximo sus potenciales y entremeses. El asesoramiento académico se ofrece a profesores y tutores, profesionales y entrenadores en áreas académicas, vocacionales, y asesoramiento personal. El Centro de Asesoramiento está abierto de 8:00 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 localizada en el Centro de Asesoramiento. El Centro de Carreras provee extensa información vocacional y de carreras.

Además 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. El estudiante puede ser asumida por cada estudiante. En el Centro de Asesoramiento los alumnos llenen acceso a una biblioteca de referencias y catálogos (Center 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 interesa tratar con el público encontrarán una oportunidad de desarrollar esta habilidad en clubes y eventos sociales durante el año. Los estudiantes que estén interesados en la música, perfección, o administración de los asuntos estudiantiles, encontrarán la oportunidad para participar en estas actividades.

**LIBRERÍA Y CENTRO COLEGIAL**

La librería del colegio es mantenida por el director 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 cual ofrece al estudiante comida y refrescos.

**ATLETISMO**

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

**CENTRO DE APRENDIZAJE**

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

Además, se ofrecen servicios bilingües para estudiantes que hablen poco Inglés y desean ayudar 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 extender y enriquezcan su vocabulario.

**OFICINA DE ASEROMENTAMIENTO DE SU NIVEL ACADÉMICO**

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

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**CONTRIBUCIÓN Y ACREDITACION**

Matriculación es un proceso que promueve y sostiene los esfuerzos de administradores de colegios para que logran sus metas educacionales mediante un programa coordinado de instrucción y el uso apropiado de programas y servicios. Inscrito en el colegio consiste en una inscripción de acuerdo en el estudiante es responsable de lo siguiente:

- Asistir al estudiante que de entrada se establezca en medios de comunicación.
- Asistir a aquel que quiera tomar una buena base en educación correcta.
- Ofrecer servicios y curso para seleccionar 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 de que el estudiante se quiera 15 unidades.
- Inscribirse en clases.
- Asistir a clases.
- Tomar sus exámenes en serio.
- Consultar con un asesor académico para desarrollar un plan de estudio.
- Solicitar servicios adicionales cuando sea necesario.
- Lograr su meta educativa.

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

**REGLAMENTOS**

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

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

1. Graduado de preparatoria (High School) o su equivalencia (General Educational Development o California High School Proficiency Examination).
2. No-graduado de preparatoria que tenga 18 años de edad.
3. Estudiante de preparatoria recomendado por el director de la escuela que se inscriba a nuevas partes de la escuela. (Tiene que entrenar documentación de que está inscrito en la preparatoria.) Participación en actividades extra-curriculares debe confinar a la preparatoria. Estos estudiantes tendrán que asistir a la preparatoria. (High School) tiempo medio.
4. Estudiantes que se transfieran de colegios y registran reglamentos de calificaciones oficiales (preparatoria y colegio) se les dará preferencia.
5. Estudiantes extranjeros o de otros estados se les puede aceptar para inscripción, pero se les cobrará costo de matrícula. Para más informes acerca de esta cuota comuníquese con la Oficina de Inscripción.

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La siguiente información estará disponible en las oficinas de Admisiones y de Concejores para cada uno de los estudiantes inscritos: nombre, dirección, número de identificación, fecha y lugar de nacimiento, matrícula y fecha de matrícula, fecha y lugar de nacimiento, matrícula y fecha de matrícula. La matrícula se realizará en la Oficina de Admisiones.
riesgos de residencia legal

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

Toda persona inscrita o que esté solicitando admisión a un colegio comunitario, con el propósito expreso de ser admitido o matriculado se clasifica como "residente" o "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 el término de clases vacacionales.

La política de residencia requiere que el estudiante radique físicamente en California con el propósito de establecer permanentemente su residencia.

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 clase de residencia.
2. Solo puede admitirse un lugar de residencia.
3. La residencia puede cambiarse por medio de un acta de unión o divorcio.
4. La residencia de un padre con el cual un menor no casado vive se determina por el lugar en el que el menor reside dentro de la comunidad. Los niños menores de 18 años de edad que se caracterizan como hijos de tiempo completo, tienen el derecho de ser clasificado como residente.
5. El menor no podrá cambiar su residencia si uno de sus padres sigue viviendo en el hogar familiar. Los niños menores de 18 años de edad pueden ser inscritos en esta clasificación.
6. Se puede pasar por alto algunos 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 mudaron de California y que aún sigan siendo ciudadanos de California mientras que sus 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 cumplió 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 un estado de California en función activa, excepto aquellos que fueran 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 función activa militar en el estado en la fecha de determinación de residencia.

5. El extranjero adulto que no sea excluido de establecer su residencia en Estados Unidos por un otorgamiento de residencia, un estudiante tiene que pagar por la cuota de no-residente.
6. Un extranjero adulto que no sea excluido de establecer su residencia en California por un otorgamiento de residencia, un estudiante tiene que pagar por la cuota de no-residente.
7. A un estudiante que sea un aprendiz dentro de los reglamentos de un instituto o una escuela, el tiempo en el que el estudiante haya sobresalido en sus estudios se ha exonerado del curso.

LISTA DE LIMITACIONES DE ESTUDIO

Un programa de estudios normal equivalente de 12 a 18 unidades. Por lo menos se tendrán que tomar de 15 a 16 unidades para poder graduarse en un período de dos años o cuatro semestres.

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

El máximo de unidades que puede tomar un estudiante es de 18, incluyendo los créditos por escritura. Hay excepciones en cuanto al número de unidades que un estudiante puede tomar mientras que la administración (a través de una petición) otorga un permiso especial debido a que tienen pruebas que el estudiante ha 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) tendrá que reportar tal inscripción a la Oficina de Inscripción. No se podrá exceder el número de 18 unidades por semestre.

CLASES DE CORTA DURACION

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 décimo 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 décimo de la duración del curso.
4. Se registrará las unidades en el último semestre que termina las clases. Por ejemplo, si la clase empieza durante el semestre de primavera que termina el semestre de primavera y las unidades y clasificaciones se registraran en el semestre de primavera.

CAMBIOS EN LOS HORARIOS DE CLASES

Se inscribirá en cursos, se espera que el horario de clases que entregue el estudiante sea exacto; y que no se hagan cambios al archivarla la inscripción. Si se tiene que hacer un cambio, el estudiante puede agregar clases después del horario 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 entregaría en la Oficina de Inscripción.

SISTEMA DE CALIFICACIONES PARA BECAS

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

Un promedio de 2.0 (C) o mejor tendrá que obtenerse en la clase.

1. Calificaciones
A. Excelente
B. Mejor que el Promedio Medio
C. Promedio Medio
D. Bajo Promedio
E. Reprobado
I. Clase No Terminada (Incompleto)

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

Una indicación de Incompleto (I), que no se termine al finalizar las seis semanas del semestre, se convertirá automáticamente en una calificación. La calificación no se utiliza para obtener el promedio de las calificaciones.

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 desean una calificación de "C" deberán notificarlo al maestro dentro de las seis semanas del semestre:

La calificación de "C" refleja una calificación de "C" o más alto.
La calificación de "NC" indica la clase incompleta.
Calificaciones de "O" se permiten en la especialización del estudiante en el Colegio del Valle Imperial con la autorización del departamento.
Los estudiantes que soliciten una calificación de "CR" deberán apoyarse en el mismo criterio y reglas del estudiante que va a recibir una calificación.
Un máximo de 16 unidades pueden tomarse como "CR" y pueden utilizarse para el título.
Una calificación de "CR" satisface el requisito que se debe tomar para el premio para la enseñanza de una clase.

3. Dejar Una Clase (Withdrawal Grade)
Un estudiante puede dejar clases de tiempo completo en el colegio con una calificación de "W" al finalizar la semestre 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 del primer número 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 excusivas 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
- Aprobación de "W" (No credit)
- Aprobación de "W" en cursos de Tecnología de Negocios o de Enfermería y una calificación mínima de "B" en cursos de Administración de Justicia. Estudiantes que deseen participar en este programa deben de seguir este procedimiento:

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

2. Bajo circunstancias especiales, un estudiante puede repetir un curso en el cual obtuvo una calificación de una "C" o más alto. La repetición de este curso es permitida por medio del proceso de Petición. Las calificaciones que se obtengan de clases repetidas no podrán utilizarse para calcular el nuevo promedio de calificaciones previamente obtenidas.

6. Puntaje de Calificaciones (Grade Points)

- 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, es cualquier semestre, si las calificaciones obtenidas son un total de 28 y el total de unidades que tomó menos los créditos es equivalente a 14, el promedio es de 2.0.

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

Un estudiante inscrito puede hacer petición para tomar un examen en lugar de tomar la clase entre la sexta y decima 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 más $10.00 dólares de costos administrativos. La forma de petición debe de estar firmada por el estudiante durante las primeras 14 semanas de cada semestre. La calificación de una "C" o mejor es necesaria para obtener crédito 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 planen participar en este programa deberán hacer los arreglos necesarios con sus escuelas, y deberán indicar en el momento de tomar 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 conversar con un asesor académico en el Colegio del Valle Imperial.

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

Política:
El Colegio del Valle Imperial otorga crédito para el título (A.A. o A.S.) al completo cursos específicos del Programa de Ocupación Regional (ROP) y cursos de la preparatoria que han articulado con cursos del Colegio del Valle Imperial. El colegio otorga crédito solo si:
1. El curso de ROP ha sido terminado con calificación de "B" o mejor.
2. El instructor de ROP ha recomendado al estudiante.
3. El curso de nivel más avanzado es terminado en el Colegio del Valle Imperial con una mínima calificación de "B".

10. Calificaciones para los estudiantes de la Escuela de enfermería (PFAF)

La escuela de enfermería recomienda cursos de 15 unidades por semestre. El costo para obtener un título (A.A. o A.S.) es de $20.00 dólares. Se considera el costo de la educación en el Colegio Imperial. Los estudiantes son alentados a desarrollar la capacidad de opinar. Esto requiere una buena base basada en la honestidad.

11. Crédito Otorgado a Militares


a. Al presentar la forma DD214 (mínimo de 180 días de participación activa incluye entrenamiento básico) al Registro de Veteranos, el estudiante debe comunicarse a la Oficina de Inscripción para que se otorgue el crédito para el curso.

b. Los créditos de militares no tendrá que exceder 16 unidades.

12. Crédito Obtenido en Cursos Universitarios

Créditos obtenidos en cursos universitarios no podrá usarse para obtener un título (A.A. o A.S.). La excepción es cuando el semestre universitario se ofrezca a nivel de colegio comunitario.

13. Renovación Académica (Academic Renewal)

Esta es una política que excluye calificaciones bajas sin tener el estudiante que repetir clases. Un estudiante puede hacer una petición de Renovación Académica después de un periodo de cinco años. Para aprobar los cursos se obtuvieron 12 unidades con un promedio de 2.0 o más alto.

Consejo: 4 de estas 5 o semestres completos pueden ser excluidos. Un máximo de dos semestres o 30 unidades pueden ser excluidos. Se tiene que consultar con un asesor académico para hacer una petición de Renovación Académica. Una vez que se ha finalizado este proceso, las calificaciones que han sido excluidas no podrá volver a reinstalar.

CÁLIFICACIONES 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 un estudiante se le descubra haciendo trampa o plagio 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 entregado de los Reglamentos de Conducta para los Estudiantes.

NORMAS DE CONDUCTA ESTUDIANTE

El propósito del Colegio del Valle Imperial es 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. Como miembros de la comunidad del Colegio, los estudiantes deberán de ejercitar sus derechos deome o menos de crédito. Estos derechos son derechos de investigación y expresión de manera responsable y sin violencia.
REGLAMENTOS DEL COLEGIO

Velocidad de 10 m.p.h. en la escuela será estrictamente enforzada. Esta prohibida fumar en todos los edificios del colegio.

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

PERIODO DE PRUEBA ACADÉMICA

El Período de Prueba Académica (Academic Probation) es un sistema en que se utiliza para identificar el progreso del estudiante que está experimentado alguna dificultad en progresar en su programa de estudio, y la misma vez ofrece asistencia al estudiante para reevaluar objetivos académicos y asesoría para que logre sus metas académicas.

El estudiante que esté en el período de prueba académica será identificado lo más pronto posible al finalizar cada semestre y será referido al Centro de Asesoramiento Académico (Counseling Center). Hay dos clases de Período de Prueba Académica:

- Prueba Escolástica: Cualquier estudiante que inicie más de seis unidades en el semestre de otoño o primavera y obtenga un promedio menor de 2.0 se pondrá bajo Prueba Escolástica (Scholastic Probation). El estudiante permanecerá bajo Prueba Escolástica hasta que obtenga un promedio de 2.0 o mejor en el siguiente semestre regular. Seis sesiones de examen no cambian la prueba escolástica.

- Baja Prueba por Falta de Progreso: Al final de cada semestre, cualquier estudiante que se halle inscrito en 12 unidades o más y que halle obtenido calificaciones de W’s, y’s y NC’s en el 50 por ciento o más de esas unidades, será puesto bajo prueba por falta de progreso (Lack-of-progress-probation). Un estudiante que está bajo-prueba por falta de progreso, no será removido de esa prueba hasta que el porcentaje de unidades en W’s, y’s, y NC’s ya terminadas sean de un 50 por ciento o más de la inscripción registrada del estudiante. Seis sesiones de examen no cambian la prueba escolástica.

ESTADO PROVISIONAL

Un estudiante nuevo que esté inscrito en más de seis unidades y que esté en una de las siguientes categorías será admitido bajo estado provisional:

1. Adversaria.
2. Reprimenda.
3. Acción disciplinaria.
4. Reparación, multa por daño al propiedad.
5. Suspensión o depósito por instructor.

Las solicitudes 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.
REGULACIONES DEL COLEGIO

EL Período de Prueba Académica (Academic Probation) es un sistema que se utiliza para identificar el progreso del estudiante que está experimentando alguna dificultad en progresar en su programa de estudio, y a la misma vez ofrece asistencia al estudiante para revaluar objetivos académicos y aseoría para que logre sus metas académicas.

El estudiante que este bajo período de prueba académica será identificado lo más pronto posible al finalizar cada semestre y será referido al Centro de Asesoramiento Académico (Counseling Center).

Hay dos clases de Período de Prueba Académica:

1. **Prueba Escolástica**

   Cualquier estudiante que termine más de seis unidades en el semestre de otorgo o primavera y obtenga un promedio menor de 2.0 se le pondrá bajo Prueba Escolástica (School 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 escolástica.

2. **Baja Prueba por Falta de Progreso**

   Al final de cada semestre, cualquier estudiante que se halle inscrito en 12 unidades o más y que haya obtenido calificaciones de Ws, Is y NCs en el 50 por ciento o más de esas unidades, será puesto bajo prueba por falta de progreso (Lack-of-progress-probation). Un estudiante que está bajo-prueba por falta de progreso, no será removido de esa prueba hasta que el porcentaje de unidades en Ws, Is y NCs ya terminadas sean de un 50 por ciento o más de la inscripción registrada del estudiante. Sesiones de verano no cambian la prueba escolástica.

**ESTADO PROVISIONAL**

Un estudiante nuevo que esta inscrito en más de seis unidades y que esté en una de las siguientes categorías será admitido bajo estado provisional.

1. Advenedencia.
2. Reprímenda.
3. Acción disciplinaria.
4. Reparación, reembolso por daño a propiedad.
5. Suspensión o depósito por instructor.

Las polícas 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.

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

EXPULSION ACADEMICA

**Proceso de otorgamiento**

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

El estudiante no está satisfecho con la resolución tomada. Si el estudiante no está satisfecho con la resolución tomada, puede hacer otra petición, esto está bajo un comité.

**Proceso Para Hacer Una 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 tomada, puede hacer otra petición, esto está bajo un comité.

**Proyecto para Una Audiencia**

Hay tres áreas establecidas de las cuales se requiere que un estudiante o organización signen las reglas establecidas para poder una audiencia. Estas son:

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

Procedimientos Para Una Audiencia

A un estudiante o organización se le solicita que escriba un resumen de los puntos de petición o que desee discutir y entregarlos a la Oficial de Inscripciones, quien es la persona designada para coordinar el procedimiento de audiencia.

**ASISTENCIA Y RETIRO DE CLASE AUTOMATICAMENTE**

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

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

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

Establece el colegio que el estudiante que no asista a la clase, tal estudiante será automáticamente dado de baja de la clase.
IDEUCACION 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 está 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)
2. Un tiempo próximo de la clase de PE 25 más aparte una clase electiva de PE en la unidad de actividad (3 unidades requeridas).

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

CAMBIOS EN EL CATALOGO
Cualquier reglamento adoptado por la administración del Colegio del Valle Imperial tendrá la misma validez que cualquier reglamento impreso en el catálogo, con una notificación pública, la decisión que se halle sobre el tema, esto aparecerá en el catálogo o es boletines oficiales del colegio.

REQUISITOS PARA TRANSFERIRSE
Estudiantes que tengan planeado ir a una Universidad Estatal de California, Universidad de California, o colegios y universidades privadas deben reunir los siguientes requisitos:
1. Terminar los cursos apropiados que requiere el colegio o universidad.
2. Transferir los requisitos de cursos preparatorios en su especialización.

Estos requisitos varían según las instituciones de estudios superiores. Para obtener más información, consulte con un asesor académico.

CURRICULUM OCUPACIONAL
El Colegio del Valle Imperial a desarrollado programas de carreras que reflejan las oportunidades de empleo de su región. Consiste de apoyo proporcionan ayuda al colegio para poder asegurar que los estudiantes reciban la mejor educación y oportunidades de empleo después de su graduación del colegio.

Para desarrollar el estudiante su programa de especialización, el estudiante deberá planear su programa de estudio incluyendo cursos de educación general. Es de suma importancia que el estudiante consulte con un asesor académico durante su primer semestre para planear un programa de estudios que muestre una secuencia apropiada de cursos. La responsabilidad en la selección final de los cursos apropiados es del estudiante.

CERTIFICADOS
Los titulados (Associate Degree) pueden obtener un certificado para ciertos grados. Los horarios y las requisitos varían según la especialización. Para obtener más información, consulte con un asesor académico.

2. Lograr calificación de un promedio de "C" (2.0 GPA) en cada curso que se utilice para poder obtener un certificado.
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 recibir un certificado deben presentar la solicitud designada en el General Catalog 2001-2002.
PREREQUISITE, COREQUISITE, ADVISORIES ON RECOMMENDED PREPARATION AND LIMITATIONS ON ENROLLMENT

The Imperial Community College District has adopted a policy in order to provide for the establishing, reviewing and challenging of prerequisites, corequisites, advisories on recommended preparation, and certain limitations on enrollment in a manner consistent with law and good practice. The board recognizes that, if these prerequisites, corequisites, advisories, and limitations are established unnecessarily or inappropriately, they constitute unjustifiable obstacles to student access and success and, therefore, the board adopts this policy which is consistent with careful and careful scrutiny in establishing them. Nonetheless, the board realizes that it is essential to have prerequisites in place where they are a vital factor in promoting or maintaining academic standards as it is in avoiding establishing prerequisites were 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 readiness for enrollment in a course or educational program that the prerequisite must be completed with a grade of “C” or better.

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

LIMITATIONS ON ENROLLMENT

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

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

Course numbers followed by an AB sequence indicate that the course may be taken more than once, covering the same materials, to gain proficiency in the subject matter. Course numbers which have an A and B sequence with different course descriptions indicate that new or advanced materials are to be covered.

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

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INTRODUCTION TO ADMINISTRATION OF JUSTICE

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better.

This course will cover the philosophy of Administration of Justice in America and identify its various subsystems. 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 orient the student to career opportunities. Ethics, education and training for professionalism in the system are discussed.

(CSU, UC)

CONCEPTS OF CRIMINAL LAW

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. The course covers the historical development of law and constitutional provisions; definitions and classification of crime and their application to the system of Administration of Justice in America and identify its various subsystems. The concepts of crime causations, punishment and rehabilitation are introduced. This basic course provides a better understanding of the criminal justice system and orient the student to career opportunities. Ethics, education and training for professionalism in the system are discussed.

(CSU, UC)

LEGAL ASPECTS OF EVIDENCE

3 Hrs. Rec.
Recommended Preparation: AJ 21 completion of ENG 2B and ENGL 12B with a grade of "C" or better. Origin, development, philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting rights and case studies.

(CSU, UC)

PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B 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 procedures, from initial entry to final disposition, and the relationship each segment maintains with its system member.

(CSU, UC)

POLICE COMMUNITY RELATIONS

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B 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 with the community and 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)

CRIMINOLOGY

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B 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 systems response to crime, and societal reaction to crime. (Same as SOC 32) (CU)

PолICE FIELD OPERATIONS

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B 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 investigations, searches and arrests, notarizing and police report essentials. Familiarization with basic police equipment and handling of community crime incidents.

(CSU, UC)

CRIMINAL INVESTIGATION

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. Fundamentals of investigation: techniques of crime scene recording and search; collection and preservation of physical evidence; modes of investigation; sources of information; interview and interrogation; follow-up and case preparation.

(CSU, UC)

TRAFFIC ACCIDENT INVESTIGATION AND REPORTING

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. This course is designed to provide the student with the basic knowledge required to investigate, interview and complete a traffic incident report. Emphasis on investigation, interrogation, and report writing that is required by law enforcement officers in the course of their duties.

(CSU, UC)

JUVENILE CONTROL

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. Techniques of handling juvenile offenders and victims, prevention and repression of delinquency, diagnosis and referral, organization of community resources, juvenile law and juvenile procedure.

(CSU, UC)

WILDFIRE LAW ENFORCEMENT

3 Hrs. Rec.
Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. This course is designed to provide the student with the basic knowledge necessary to understand the importance of wildfire law enforcement as an essential tool of wildfire management in the perpetuating, protecting, and managing of fish, wildlife, and other natural resources.

(CSU, UC)

IMPERIAL VALLEY COLLEGE

GENERAL CATALOG 2001-2002

ARREST AND FIREARMS

3.5 Hrs. Rec.
Prerequisites as required by P.O.S.T.: No felony or domestic violence convictions, able to successfully participate in physical requirements of course. Admission to the Peace Officer Program is expected.

Corequisite: Department of Justice firearms clearance. Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. Designed to satisfy training standards set forth by the Commission on Peace Officers Standards and Training (P.O.S.T.) as required by Penal Code Section 832 for Peace Officers; includes all state arms and firearms standards, including the armament of methods of armament, discretionary decision making, and, where applicable, use and care of firearms. Supply fee may be charged.

(CSU, UC)

RESERVE OFFICER PROGRAM

Imperial Valley College offers a Level III and Level II extended Reserve Peace Officer program. The courses satisfy the training standards set forth by the California Commission on Peace Officer Standards 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: control, security and patrol activities, and sporting events, report writing, evidence transportation, parking enforcement, and other duties that are not likely to result in physical arrests. May 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 the P.O.S.T. Regular Basic Course. The Level II Reserve Officer also perform limited support duties authorized for Level III officer, without immediate supervision.

Admission to the Program -- The program is sequential and AJ 41, or Arrest and Firearm certification is required to enter into Level III, AJ 43. 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 no felony or domestic violence convictions, have no felony or domestic violence convictions, have no prior suspension from the Peace Officer Standards and Training (P.O.S.T.) includes professionalism, law, communication, vehicle operations, prisoner and evidence transportation, report writing, parking enforcement, First Aid/CPR, force and weaponry, traffic control, psychological fitness and defensive tactics. Supply fee may be charged.

Designed to prepare student to be hired by a law enforcement agency as a Reserve Officer, Level III. Nontransferable, AA/AS degree only.

(AJ 44 (13.5)
RESERVE OFFICER LEVEL II

13.5 Hrs. Rec.
Prerequisite as required by P.O.S.T.: Current 832 certificate, AJ 41, no felony or domestic violence convictions, valid California driver’s license, and ability to successfully participate in physical requirements of course. Admission to the Peace Officer Program is expected.

Corequisite: Department of Justice firearms clearance. Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. Designed to satisfy training standards set forth by the Commission on Peace Officers Standards and Training (P.O.S.T.) includes professional orientation, discretionary decision making, law, laws of arrest and search, preliminary investigation overview, communication, community relations and arrest control techniques.

(CSU, UC)

Recommended Preparation: Completion of ENG 2B and ENGL 12B with a grade of "C" or better. Students entering the program must be at least 18 years old.

All Reserve Officer classes require some attendance and grades are strictly monitored.
Agricultural Engineering Technology

AG 24 (4) POWER EQUIPMENT OPERATION AND MAINTENANCE 3 Hrs. Lec. 3 Hrs. Lab. Selection, operation, adjustment and the maintenance of wheel and track type equipment commonly used in agriculture and industry. (CSU)

AG 25 (4) POWER TRANSMITION SYSTEMS 3 Hrs. Lec. 3 Hrs. 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)

Small Gasoline Engines

AG 37 (3) SMALL GASOLINE ENGINES 2 Hrs. Lec. 2 Hrs. Lab. The theory of design, structure, and mechanical function of the small gasoline engine, including tune-up and major repair of the electrical and mechanical systems. (Same as AUTO T 59) (CSU)

Fundamentals of Diesel Power

AG 39 (4) FUNDAMENTALS OF DIESEL POWER 3 Hrs. Lec. 3 Hrs. Lab. The study of diesel engine theory, design, construction, and repair of heavy diesel power units. (CSU)

Basic Shop Skills

AG 75 (3) BASIC SHOP SKILLS 3 Hrs. Lec. 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 AUTO TWELD 73) (Nontransferable, AA/AS degree only)

Agriculture

Many of the courses in the field of agriculture are offered on alternate years only. Students should keep this in mind as they plan their long range programs of study with the assistance of their counselors.

AG 1 (1) AGRICULTURE LITERACY 1 Hr. Lec. This course will present a broad overview of agriculture. It will include agricultural terminology and practices from initial production of agricultural products through consumption. World-wide, 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 agricultural information that will help them in the workplace. (Non-transferable/non degree applicable)

AG 5 (3) MAN AND HIS ENVIRONMENT 3 Hrs. Lec. This course is designed to provide students with an overview and understanding of the relationships between human populations and the environment. In this course, we will focus on fundamental concepts of society and ecosystem theory, human impacts on the air, water, and land in the environment problems faced by the Imperial Valley that have regional and global consequences, and some of the proposed solutions. (Same as ENVIS 5) (CSU, UC)

AG 14 (3) ENTOMOLOGY 2 Hrs. Lec. 2 Hrs. Lab. A basic study of insects with emphasis on identification, anatomy and physiology, and ecology. An insect collection is required. (CSU, UC)

AG 15 (1) PESTICIDE SAFETY 1 Hr. Lec. Pesticide safety training for employees who handle and use chemical pesticides. (Nontransferable, AA/AS degree only)

AG 20 (3) ANIMAL SCIENCE 3 Hrs. Lec. A survey of the sources of the world’s supply of animal products. The distribution of animal factors influencing domestic animals in the United States. The origin, characteristics, and adaptation of the important breeds and the influence of environment upon their development. Selection, feeding, housing, and utilization of sheep, swine and cattle on California farms. (CSU, UC)

AG 21 (3) FEEDS AND FEEDING 3 Hrs. Lec. Recommended Preparation: AG 20. The basic principles of animal nutrition as they are applied to livestock feeding; the composition and use of feed stuffs in their relation to feeding of farm animals; ration balancing, identification and classification of feeds, methods of preparing feeds; relative value for each class of livestock. Digestion and utilization of feeds; feeding standards; economy in feeding; vitamins and minerals and feed sources. (CSU)

AG 22 (3) INTRODUCTION TO AGRICULTURAL ECONOMICS 3 Hrs. Lec. 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 23 (3) ANIMAL DISEASES 3 Hrs. Lec. The symptoms, diagnosis and treatment of animal diseases. (CSU)

AG 24 (3) HORSE HUSBANDRY 3 Hrs. Lec. Status of the horse industry; types and breeds; selection, care and management and economics of the light horse; their place and use in California and the United States. (CSU)

AG 25 (3) AGRIBUSINESS MANAGEMENT 3 Hrs. Lec. Recommended Preparation: BUS 2. A study of management theories and processes as they apply in the contemporary business world. The course is based on the application of the basic principles commonly used in the field 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 BUS 3) (CSU)

AG 26 (3) AGRICULTURAL BUSINESS ORGANIZATION AND MANAGEMENT 3 Hrs. Lec. Recommended Preparation: AG 25. Study of farm technological advance, marketing, consumer demand and other such factors as determine growth, types and forms of agricultural business organization. Farm and farm-related businesses considered from standpoint of primary functions, services and problems including investments, working capital requirements, credit and collections, business with banks, failures and reorganization. Emphasis on California farm-related industries. (CSU)

AG 27 (3) AGRICULTURAL SALES AND SERVICE MANAGEMENT 3 Hrs. Lec. Supervision of people who sell agricultural products and services. Selection, training, directing and evaluating personnel. Methods of payment, use of advertising, promotion, incentives and service. (CSU)

AG 29 (3) COMPUTER APPLICATIONS IN AGRICULTURE 2 Hrs. Lec. 2 Hrs. Lab. Introduction to terminology, programs, and commands used in computer application programs as applied to agriculture business and production. (CSU)

AG 30 (3) FIBER AND FIBER IN A CHANGING WORLD 3 Hrs. Lec. 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 32 (3) IRRIGATION AND DRAINAGE 2 Hrs. Lec. 2 Hrs. Lab. Recommended Preparation: AG 40. Fundamental principles and practices of irrigation. Soil-moisture relationships, water measurement, methods of irrigation, crop requirements, farm irrigation structures. Pumps and pumping and problems of the irrigation system. Land preparation and irrigation methods, problems of irrigation, farm irrigation structures including investigation of drainage problems. Types of drainage systems and layout of farm drains, and drainage requirements for land reclamation and irrigation agriculture. (CSU)

AG 36 (3) AGRICULTURAL CONSTRUCTION 2 Hrs. Lec. 2 Hrs. Lab. A study of the materials and processes most suited to farm situations. Practical concrete design, farm layout and fabrication. (CSU)

AG 38 (3) POWER ELECTRICITY 2 Hrs. Lec. 2 Hrs. Lab. Fundamentals of electric wiring; circuit layout and problems, motor and branch circuit protection, safe use of electricity, motor maintenance, wiring buildings and homes. (CSU)

AG 40 (3) SOILS 2 Hrs. Lec. 3 Hrs. Lab. Recommended Preparation: MATH 080 (formerly Math X and CHEM 2A). Physical, chemical and biological properties of soils as related to agriculture. Principles of soil-plant interrelationships, development of the soil as a natural body, soil moisture, effect of management practices on soil properties; composition, and use of fertilizers. (CSU, UC)

AG 41 (3) FERTILIZERS 3 Hrs. Lec. Recommended Preparation: AG 40. The nature of fertilizers and soil amendments for their properties, methods of application, and reaction upon soils and plants. Composition, value and use of fertilizer materials and soil correctives. Methods employed in the manufacture, distribution, and application of fertilizers. (CSU)

AG 42 (4) INTRODUCTION TO CROP SCIENCE 3 Hrs. Lec. 3 Hrs. Lab. Principles and practices of crop improvement, propagation, production processing, storage, marketing, harvesting and utilization of principal California crops. Field laboratory work required. (CSU, UC)

AG 43 (3) FIELD AND CEREAL CROPS 3 Hrs. Lec. 3 Hrs. Lab. 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 44A (2) VEGETABLE GARDENING - COOL WEATHER 6 Hrs. Lab. Organic and inorganic production in vegetable gardening. Cultural practices, harvesting, grading and processing, marketing, disease and pest control of California vegetable crops. (CSU)

AG 44B (2) VEGETABLE GARDENING - WARM WEATHER 6 Hrs. Lab. Organic and inorganic production in vegetable gardening. Cultural practices, harvesting, grading and processing, marketing, disease and pest control of California vegetable crops. (CSU)

AG 45 (3) VEGETABLE PRODUCTION 3 Hrs. Lec. Recommended Preparation: AG 40. Principles involved in seasonal truck crop production, including the scope, value, harvesting, packaging and marketing of the major truck crops grown in California. (CSU)
ALCOHOL AND DRUG STUDIES

ADS 9 (3) INTRODUCTION TO COUNSELING
3 Hrs. Lec. (Same as PSYCH 9) (CSU)

ADS 19 (3) SOCIETY OF MINORITY GROUPS
3 Hrs. Lec. (Same as SOC 10) (UC, CSU)

ADS 11 A (3) PRACTICUM
1 Hr. Lec. 6 Hrs. Lab. field experience per week
(Same as H REL/PSYCH 11A) (CSU)

ADS 11 B (3) PRACTICUM
1 Hr. Lec. 6 Hrs. Lab. field experience per week
(Same as H REL/PSYCH 11B) (CSU)

ADS 15 (3) SOCIAL AND PSYCHOLOGICAL DYNAMICS OF DRUG USE
3 Hrs. Lec. (Same as PSYCH/SOC 15) (CSU)

ADS 59 (3) HUMAN SERVICES IN A CHANGING SOCIETY
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

ADS 51 (3) ALCOHOLISM: INTERVENTION, TREATMENT AND REHABILITATION
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

ADS 52 (3) PSYCHOLOGICAL EFFECTS OF ALCOHOL AND DRUGS
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

ADS 53 (3) GROUP LEADERSHIP AND GROUP PROCESS
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

ADS 54 (3) FAMILY COUNSELING APPROACHES TO ALCOHOL AND DRUG ABUSE
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

ADS 55 (3) CRISIS INTERVENTION AND REFERRAL TECHNIQUES
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

ADS 56 (3) PROGRAM MANAGEMENT TECHNIQUES
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

AMERICAN SIGN LANGUAGE

AMSL 10 (4) AMERICAN SIGN LANGUAGE 1
3 Hrs. Lec. 2 Hrs. Lab. (Same as PSYCH/SOC 59) (CSU)

AMSL 11 (4) AMERICAN SIGN LANGUAGE 2
3 Hrs. Lec. 2 Hrs. Lab. (Same as PSYCH/SOC 59) (CSU)

AMSL 12 (3) AMERICAN SIGN LANGUAGE 3
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

AMSL 13 (2) AMERICAN SIGN LANGUAGE 4
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

AMSL 14 (3) AMERICAN SIGN LANGUAGE 5
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

AMSL 16A (2) INTERPRETING AMERICAN SIGN LANGUAGE 1
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)

AMSL 16B (3) INTERPRETING AMERICAN SIGN LANGUAGE 2
3 Hrs. Lec. (Same as PSYCH/SOC 59) (CSU)
ANATOMY

Prerequisites may be satisfied by taking the required courses at Imperial Valley College or a comparable course at another college, or in some cases, a high school equivalent course. 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 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.

ANAT 6 (3)
HUMAN ANATOMY AND PHYSIOLOGY FOR HEALTH OCCUPATIONS
3 Hrs. 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 ANAT 8 or ANAT 10 or equivalent with a grade of "C" or better. (Nontransferable; AAS degree only)

ANAT 8 (4)
HUMAN ANATOMY
2 Hrs. Lab. 6 Hrs. Lab.
Prerequisite: ZOOI 1A or BIOL 3 with a grade of "C" or better or current California LVN license. Lecture and laboratory course designed to study the fundamental principles of the human body structure at the cellular, tissue, organ and systems level of organization, including the cat and organ dissections, study of the human skeleton, structural-functional relationships, and appreciation of related human diseases and aging. (CSU, UC)

ANAT 10 (5)
HUMAN ANATOMY & PHYSIOLOGY
3 Hrs. Lab. 6 Hrs. Lab.
Prerequisites: CHEM 3A and BIOL 3. With a grade of "C" or better or current California LVN license. A study of the structure and function of the human organism. Emphasis is on the circulatory, respiratory, excretory, nervous, reproductive, and digestive systems. (CSU, UC credit limited. See a counselor.)

ANTHROPOLOGY

ANTH 1 (3)
PHYSICAL ANTHROPOLOGY
3 Hrs. 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)

ANTH 2 (3)
CULTURAL ANTHROPOLOGY
3 Hrs. Lab.
A study of culture and its relationships to biology and to natural environment. Stresses the origin and evolution of culture, and the part that culture assumes in biological maintenance. Examines types of social organizations and economic systems, religions and arts. (CSU, UC)

ANTH 3A (3)
INTRODUCTION TO ARCHAEOLOGICAL SITE SURVEYING
2 Hrs. Lab. 5 Hrs. Lab.
Historical development of archeology and the importance of site surveys. Techniques of site surveying; types of sites; laboratory preparation; use and care of field equipment. (CSU)

ANTH 3B (3)
INTRODUCTION TO ARCHAEOLOGICAL EXCAVATIONS
2 Hrs. Lab. 5 Hrs. Lab.
Recommended Preparation: ANTH 3A & ANTH 3C. Determine a site to be excavated; laws pertaining to excavations; lay out a site with stake and rod; test pit; vector and trench excavations; stratigraphy; record keeping; surveying and mapping; preparation of laboratory and museum materials; pollen, soils, and C-14 tests. (CSU)

ANTH 3C (3)
ADVANCED ARCHAEOLOGICAL SURVEY
2 Hrs. Lab. 5 Hrs. Lab.
Recommended Preparation: ANTH 3A. 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 3D (3)
ADVANCED ARCHAEOLOGICAL EXCAVATIONS
2 Hrs. Lab. 5 Hrs. Lab.
Recommended Preparation: ANTH 3B. 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 cataloging; photography; dating; report writing are included. (CSU)

ANTH 4 (3)
CALIFORNIA INDIANS
3 Hrs. 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 6 (3)
INDIANS OF NORTH AMERICA
3 Hrs. Lab.
Early migration across Beringia to the New World; demography and ecology of the American cultures in Alaska, Canada and the United States. Effects of European contact; racial movements today. (CSU, UC)

ANTH 8 (3)
INDIANS OF THE SOUTHWEST
3 Hrs. Lab.
Geography and ecology of the Southwest; Early man migrations; Desert culture; growing influence of Mesomerica; 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 16A (3)
PREHISTORIC CERAMICS
1 Hr. Lab. 2 Hrs. Lab.
Traces of origins and developments of ceramics in the Old and New Worlds. Emphasis on the materials, techniques and ceramic products of the California Indians, especially the Lower Colorado River groups. (CSU, UC)

ANTH 16B (3)
ADVANCED PREHISTORIC CERAMICS
1 Hr. Lab. 2 Hrs. Lab.
Recommended Preparation: ANTH 16A. Advanced study of prehistoric pottery composition and forms; various firing techniques using pit construction; decorative motifs used by the Yuman and Shoshone cultures. (CSU, UC)

ART

ART 3A (3)
HISTORY AND APPRECIATION OF ART
3 Hrs. Lab.
A survey of the developments in art in painting, sculpture, architecture, and the minor arts from the birth of art to the Renaissance. (CSU, UC)

ART 3B (3)
HISTORY AND APPRECIATION OF MODERN ART
3 Hrs. Lab.
Art is a broad analytical survey of painting, sculpture, and architecture from 1900 up to the present. Emphasis is placed upon the development of styles of painting and their relationship to each other. (CSU, UC)

ART 5 (3)
WOMEN ARTISTS
3 Hrs. Lab.
A survey of the great Women Artists of history from the Ancient World through the Twentieth Century. Some of the artists to be discussed are: Elizabeth Sirani, Judith Leyster, Elizabeth Vigee LeBrun, Mary Cassatt, Kaethe 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 10A (3)
WATERCOLOR PAINTING
2 Hrs. Lab. 4 Hrs. Lab.
The study of watercolor painting with emphasis upon color, composition and pictorial expression. Exploration of various techniques employing the medium of watercolor. (CSU, UC)

ART 10B (3)
WATERCOLOR PAINTING
2 Hrs. Lab. 4 Hrs. Lab.
Continuation of watercolor painting. Stress is on achieving confidence and fluency in the medium. Students are encouraged to expand the range of the experience acquired to include other water-based media. (CSU, UC)

ART 20A (3)
DRAWING
2 Hrs. Lab. 4 Hrs. Lab.
A basic course in drawing involving analysis of line, form, tone, texture and color as essential media of expression. (CSU, UC)

ART 20B (3)
DRAWING
2 Hrs. Lab. 4 Hrs. Lab.
A continuation of ART 20A. (CSU, UC)

ART 20C (3)
DRAWING
2 Hrs. Lab. 4 Hrs. Lab.
A continuation of ART 20B with a focus on developing drawing as a terminal medium. (CSU, UC)

ART 20D (3)
DRAWING
2 Hrs. Lab. 4 Hrs. Lab.
A continuation of ART 20C with a focus on advanced techniques to develop drawing as a terminal medium. (CSU, UC)

ART 21A (3)
PAINTING
2 Hrs. Lab. 4 Hrs. 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. (CSU, UC)

ART 21B (3)
PAINTING
2 Hrs. Lab. 4 Hrs. Lab.
A continuation of ART 21A. (CSU, UC)

ART 21C (3)
PAINTING
2 Hrs. Lab. 4 Hrs. Lab.
A continuation of ART 21B. Advanced studio problems in painting. (CSU, UC)

ART 21D (3)
PAINTING
2 Hrs. Lab. 4 Hrs. Lab.
A continuation of ART 21D. Intermediate studies 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. (CSU, UC)

ART 22A (3)
DESIGN
2 Hrs. Lab. 3 Hrs. Lab.
Fundamentals of design and composition; theory of color. Includes organization and utilization of basic elements through design problems. (CSU, UC)

ART 22B (3)
DESIGN
2 Hrs. Lab. 3 Hrs. Lab.
Intermediate studies of elements and principles of art with emphasis on three-dimensional design theory. (CSU, UC)

ART 23A (3)
CERAMICS
2 Hrs. Lab. 4 Hrs. Lab.
An introduction to ceramics; basic methods of forming, decorating, glazing and firing. (CSU, UC)
AUTOMOTIVE MACHINE SHOP
3 Hrs. Lect. 6 Hrs. Lab.
Recommended Preparation: AUTO-T 55 or two years of high school auto mechanics. A study of the internal combustion engine and service procedures in the use of automotive machine shop tools and machines for rebuilding the engine. (CSU)

AUTOMOTIVE AIR-CONDITIONING
2 Hrs. Lect. 3 Hrs. Lab.
Recommended Preparation: AUTO-T 60. 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 stations and systems will be part of A/C course. Upon completing this course the student will be prepared to take the Automotive Service Excellence (ASE) examination for Air-Conditioning. (CSU)

SMALL GASOLINE ENGINES
2 Hrs. Lect. 2 Hrs. 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 37) (CSU)

AUTOMOTIVE ELECTRONICS I
2 Hrs. Lect. 3 Hrs. Lab.
Advanced study of automotive electrical systems. Basic diagnosis and service procedures on the various systems. (CSU)

AUTOMOTIVE ELECTRONICS II
2 Hrs. Lect. 6 Hrs. Lab.
Design, construction, electrical and hydraulic function and repair of the automatic transmission. (CSU)

AUTOMATIC TRANSMISSIONS
2 Hrs. Lect. 6 Hrs. Lab.
Prerequisite: AUTO-T 61A. 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 transmissions. Appliqué shop procedures for advanced students, who wish to refine technical skills prior to obtaining employment in the industry. (CSU)

AUTOMATIC VEHICLE TRANSFER
3 Hrs. Lect. 3 Hrs Lab.
Recommended Preparation: AUTO-T 60. 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 circuits. 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, anti-lock brake systems, and various automotive instrumentation. Upon completing this course the student will be prepared to take the Automotive Service Excellence (ASE) examination in Electronics. (Nontransferable, AA/AS degree only)

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COMPUTER INFORMATION SYSTEMS

CIS 1 (3) INTRODUCTION TO INFORMATION SYSTEMS 3 Hrs. Lec.
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 3 (3) INTRODUCTION TO TELECOMMUNICATIONS 3 Hrs. Lec.
Recommended Preparation: CIS 1. An introduction to the concepts of telecommunications, data communications and networks. This course gives an overview of connectivity options for local and wide area networks including the Internet, common network protocols and the OSI model. Students learn how to access and utilize networked resources such as file servers, remote printers, e-mail, the Internet and networked applications. (CSU, UC)

CIS 8 (3) PC MAINTENANCE, REPAIR & UPGRADING 2 Hrs. Lec. 2 Hrs. Lab.
Recommended Preparation: CIS 1. 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. (Not transferable, AA/AS degree only)

CIS 10 (3) PROGRAMMING IN COBOL 3 Hrs. Lec.
Recommended Preparation: CIS 1. A beginning course in programming in COBOL to prepare programmers and students of closely related occupations for employment in business and industry. The course covers program design and logic, program development, and provides hands-on experience in realistic business application programming. (CSU, UC)

CIS 12 (3) PROGRAMMING IN BASIC 3 Hrs. Lec.
Recommended Preparation: CIS 1. A practical course covering the fundamentals of BASIC programming language as adapted to a variety of different applications. (CSU, UC)

CIS 15 (3) PROGRAMMING IN C 3 Hrs. Lec.
Recommended Preparation: Knowledge of a computer programming language. A course in programming using C. Syntax of the language will be emphasized; and operating systems, comparative programming languages, data structures, graphics, numerical analysis, programming methodology, and scientific and business applications will also be covered. (CSU, UC)

CIS 21A/C (3-1-1) COMPUTER APPLICATIONS LAB 2 Hrs. Lab.
Recommended Preparation: Concurrent enrollment in a course requiring the use of a computer. This laboratory is an introduction to classical experimentation and how it applies to lecture topics as well as certain instrumental studies. (CSU, UC)

CIS 22 (3) MICROCOMPUTER ACCOUNTING 3 Hrs. Lec.
Prerequisite: BUS 1A or BUS 10. Recommended Preparation: CIS 1. 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 microcomputer skills. (CSU)

CIS 23 (1) COMPUTER LITERACY 1 Hr. 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 26 (1) WINDOWS OPERATING SYSTEM 1 Hr. Lab.
Designed to familiarize computer users with the Windows operating system environment that controls the computer. This course covers components and menus used by Windows to do proper file management, customize the desktop interface, and use the Windows accessories. (CSU)

CIS 31A (1) WORD PROCESSING: WORDPERFECT FOR WINDOWS 1 Hr. Lec.
Hands-on practice with WordPerfect word processing software using a Windows environment. The course is designed for beginners and will focus on document creation including multiple page documents; basic editing and text enhancement; line and page formatting; cut, copy and paste; spell check and thesaurus. (CSU)

CIS 31B (1) WORD PROCESSING: WORDPERFECT FOR WINDOWS 1 Hr. Lec.
Hands-on practice with WordPerfect word processing software using a Windows environment. The course is a continuation of CIS 31A. WordPerfect for Windows, and will focus on editing and formatting features including multiple windows and documents, managing files, tables, columns, merge, labels, sort and graphics. (CSU)

CIS 32A (1) WORD PROCESSING:MICROSOFT WORD FOR WINDOWS 1 Hr. Lec.
Hands-on practice with Microsoft Word word processing software using a Windows environment. The course is designed for beginners and will focus on document creation including multiple page documents; basic editing and text enhancement; line and page formatting; cut, copy and paste, spell check and thesaurus. (CSU)

CIS 212B (1) WORKSHOP:MICROSOFT WORD FOR WINDOWS 1 Hr. Lec.
Recommended Preparation: CIS 32A or CIS 1. Hands-on practice with Microsoft Word word processing software using a Windows environment. The course is a continuation of CIS 32A. Word Processing: Microsoft Word for Windows and will focus on editing and formatting features including multiple windows and documents, managing files, tables, columns, merge, labels, sort and graphics. (CSU)

CIS 212 (3) MICROPROCESSORS 3 Hrs. Lec.
Recommended Preparation: Completion of ENGL 2B and ENGL 100 (or "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 sociopolitical system will be examined. (CSU)

CIS 213 (2) REPORT WRITING 3 Hrs. Lec.
(Same as AJ 39) (CSU)

CIS 215 (3) CONCEPTS OF CRIMINAL LAW 3 Hrs. Lec.
(Same as AJ 23) (CSU, UC)
Audiology

CSU 24 (3)
CORRECTONAL INTERVIEWING AND COUNSELING
3 Hrs. Lect.
Recommended Preparation: Completion of ENGL 2B and ENGL 12B 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)

CSU 25 (3)
CONTROL AND SUPERVISION OF INMATES
3 Hrs. Lect.
Recommended Preparation: Completion of ENGL 2B and ENGL 12B with a grade of "C" or better. An overview of supervision of inmates in the local, state and federal correctional institutions. The issues of a control in a continuous 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 addresses coping techniques for correctional officers in a hostile prison environment while discussing causes and effects of abusive tactics. (CSU)

CSU 31 (3)
CONCEPTS OF PROBATION AND PAROLE
3 Hrs. Lect.
Recommended Preparation: Completion of ENGL 2B and ENGL 12B 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)

DISABLED STUDENT PROGRAMS AND SERVICES

Academic Accommodations for Disabled Students Policy

Imperial Valley College recognizes that a disability may impede a student from completing course requirements in the same manner as expected of non-disabled students. The college also recognizes the development of the entire exceptional spectrum from gifted to retarded through including physical, mental, emotional, sensory, speech, and learning differences. Experience may be gained on the college campus or in the field with deaf, blind, or orthopedically handicapped individuals. This course may be repeated to provide experience in a second area. Course may be taken for credit or letter grade. (CSU)

DISP 2A (3)
PRACTICUM EXPERIENCE TO WORK WITH THE DISABLED PERSON
1 Hr. Lect. 3 Hrs. Lab.
Recommended Preparation: DISP 1 and PSYCH 1a or PSYCH 5A. 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. This course may be repeated to provide experience in a second area. Course may be taken for credit or letter grade. (CSU)

DISP 3 (1-6)
SURVEY OF CAMPUS LIFE FOR THE DISABLED
1-6 Hrs. Lect.
This course is designed to help prepare the Disabled student for full or adaptive participation in community college activities, academic, social, vocational, and environmental. (CSU)

DISP 4A (2-2)
LEARNING WITH A HEARING LOSS
2 Hrs. Lect.
A course designed to help reduce the communication barriers often present when a person has a hearing loss. The nature of each loss, the use of hearing aids, factors influencing lipreading, and problems arising from living with a hearing loss will be discussed. The course is designed specially for the mature person who has an acquired hearing loss. (Nontransferable, nondegree applicable)

DISP 6A/B/C/D (1-4, 1-4, 1-4, 1-4)
ACADEMIC SUPPORT SERVICES
2-8 Hrs. Lect.
This course is designed to provide academic support services to the disabled students who are taking classes in the area of natural science and math; behavioral and social science area; humanities, fine arts and foreign language area; English and speech area; and vocational-occupational area. In addition, the course is designed to assist students in developing their basic skills. (Nontransferable, nondegree applicable)

DISP 7A/B/C/D (1-4, 1-4, 1-4)
ACADEMIC SUPPORT SERVICES
2-8 Hrs. Lab.
This course is designed to provide academic support services to the disabled students who are taking classes in the area of natural science and math; behavioral and social science area; humanities, fine arts and foreign language area; English and speech area; and vocational-occupational area. In addition, the course is designed to assist students in developing their basic skills. (Nontransferable, nondegree applicable)

COUNSELING AND GUIDANCE SUPPORT SERVICES
2-8 Hrs. Lab.
This course is designed to provide counseling and guidance support services to disabled students by means of diagnostic testing, assistance with vocational education classes, assessment of individualized progress, and personal, academic, and vocational counseling. Observation of students are transitioned into college through assistance with registration, financial aid, career planning, and ultimately into employment and/or baccalaureate programs. (Nontransferable, nondegree applicable)

DISP 15A (4)
READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES
4 Hrs. Lect. 1 Hr. Lab.
Recommended Preparation: 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)

DISP 15B (4)
READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES
4 Hrs. Lect. 1 Hr. Lab.
This course is a continuation of DISP 15A with an emphasis on one-syllable words with a silent final e, words with digraphs, 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)

DISP 15C (4)
READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES
4 Hrs. Lect. 1 Hr. Lab.
This course is a continuation of DISP 15B with an emphasis on various sounds of consonants, diphthongs, and various suffixes. (Nontransferable, nondegree applicable)

DISP 15D (4)
READING AND SPELLING FOR STUDENTS WITH LEARNING DIFFERENCES
4 Hrs. Lect. 1 Hr. Lab.
Recommended Preparation: 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)

DISP 37 (1)
COMPUTER ACCESS II
2 Hrs. Lab.
Recommended Preparation: 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 be taken by students who 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)

DISP 38 (2)
COMPUTER ACCESS II
1 Hr. Lect. 2 Hrs. Lab.
Recommended Preparation: 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. Students will use a continuous keyboarding technique 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)

DISP 39 (3)
COMPUTER ACCESS PROJECTS
4 Hrs. Lab.
Recommended Preparation: 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. Instructors permission is required.

SEE PAGE 61-62 FOR DISP 33 & 34 - AUDIOLOGY
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 40 (3) INTRODUCTION TO RESIDENTIAL SERVICES SPECIALIST 3 Hrs. Lec. An investigation of the characteristics of the developmentally disabled population. Basic philosophical and legal issues, history of treatment, current approaches, and state licensing requirements and regulations will be covered. Designed for persons involved in residential care for the developmentally disabled. (Nontransferable, AA/AS degree only)

DSPS 41 (3) TECHNIQUES FOR RESIDENTIAL SERVICES SPECIALIST 3 Hrs. Lec. Application of theories to practical skills and knowledge needed by persons involved in residential care for the developmentally disabled. Includes behavior management techniques, health and developmental needs, program planning and implementation and techniques for developing social adaptation and other life skills. Designed for persons involved in residential care for the developmentally disabled. (Nontransferable, AA/AS degree only)

DSPS 59A (3) MATH FOR STUDENTS WITH LEARNING DIFFERENCES 3 Hrs. Lec. 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 59B (3) MATH FOR STUDENTS WITH LEARNING DIFFERENCES 3 Hrs. Lec. Recommended Preparation: DSPS 59A. 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 50C (3) MATH FOR STUDENTS WITH LEARNING DIFFERENCES 3 Hrs. Lec. Recommended Preparation: DSPS 50B. This course will teach adults with Learning Differences to solve problems involving addition, subtraction, multiplication, and division of fractions. (Nontransferable, nondegree applicable)

DSPS 50E (3) MATH FOR STUDENTS WITH LEARNING DIFFERENCES 3 Hrs. Lec. Recommended Preparation: DSPS 50C. This course will teach adults with Learning Differences to solve problems involving decimals and percents. (Nontransferable, nondegree applicable)

DRAMATIC ART COURSES: SEE THEATER ARTS
DEFIBRILLATION
Prehospital Emergency Medical
ECON I (3)
An introduction to economic concepts and the principles of
cornunications, methods for increasing public
practical and microanalysis in the direction of production and
public policy. and microanalysis in the direction of production and
and banking, international business, and economic stabilization.

SCHOOL-AGE CHILD DEVELOPMENT
3 Hrs. Lec.
A study of the developmental characteristics of the School-Age child
from age five to twelve, covering physical, cognitive, social, and
and the influences on the basic process will

ECONOMICS

ECON 1 (3) (CAN ECON 2)
PRINCIPLES OF ECONOMICS
3 Hrs. Lec.
An introduction to economic concepts and the principles of
economic analysis. Emphasis on economic institutions, issues of
public policy, and macroanalysis in the direction of production and
the allocation of resources through the price-system. (CU, SC)
EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC

EMT-P C1 (3)
EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC CLINICAL 1
7 Hrs. Lab. 5.3 Hrs. Lab.
Prerequisites: Successful completion of EMT-P D1 and EMT-P D2. May enter EMT-P C1 up to 1 year after completion of EMT-P D1 and EMT-P D2 with EMS Training Coordinator and EMS Training Medical Director approval. Recommendation of the EMT Training Coordinator and EMS Training Medical Director. This course is the first phase of the clinical training of the paramedic program. This portion of training enables the student to put all didactic and skills training together within the hospital setting. The student will be able to perform total patient assessment and care using state and county protocols, in the controlled, hospital setting. Students must be aware of all 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 and apply all public safety protocols. Students must be aware of the intensity of the course that requires dedication to successfully complete this phase of clinical training. (CSU)
This course, together with ENGL SB, is equivalent to ENGL 5. Not INTERMEDIATE GRAMMAR AND COMPOSITION FOR
Recommended Preparation: Appropriate placement recommenda-
open to students who have completed ENGL
and ENGL 35 is

ENGL 5A (2)
INTERMEDIATE GRAMMAR AND COMPOSITION FOR ESL
2 Hrs. Lec. 1/2 Hr. Lab.
Recommended Preparation: Appropriate placement recommenda-
tion or completion of ENGL 5A. Concurrent enrollment in ENGL 25 and
ENGL 35 is strongly recommended. The course covers the first
half semester's work of ENGL 5 and is offered for the convenience of night students who cannot attend class more than
one night per week. Satisfactory completion of ENGL 5A and 5B is
equivalent to ENGL 5 and qualifies the student to enroll in ENGL 4 or
ENGL 4A. Not open to students who have completed ENGL 5. (Nontransferable, nongrade applicable)

ENGL 5B (2)
INTERMEDIATE GRAMMAR AND COMPOSITION FOR ESL
2 Hrs. Lec. 1/2 Hr. Lab.
Recommended Preparation: Appropriate placement recommenda-
tion or completion of ENGL 5A. Concurrent enrollment in ENGL 25 and
ENGL 35 is strongly recommended. This course covers the second
half semester's work of ENGL 6 and is offered for the convenience of night students who cannot attend class more than
one night per week. Satisfactory completion of ENGL 6A and 6B is
equivalent to ENGL 6 and qualifies the student to enroll in ENGL 5A.
Not open to students who have completed ENGL 6. (Nontransferable, nongrade applicable)

ENGL 6 (4)
BEGINNING GRAMMAR AND COMPOSITION FOR ESL
4 Hrs. Lec. 1 Hr. Lab.
Recommended Preparation: Appropriate placement recommenda-
tion or completion of ENGL 5. Concurrent enrollment in ENGL 26
and ENGL 36 is strongly recommended. A beginning course in
English designed for the student who has not had any formal English
classes in the United States. The course will cover grammar, simple
sentence writing, and paragraph writing. (Nontransferable, nongrade applicable)

ENGL 6A (2)
BEGINNING GRAMMAR AND COMPOSITION FOR ESL
2 Hrs. Lec. 1/2 Hr. Lab.
Recommended Preparation: Appropriate placement recommendation
or completion of ENGL 6. Concurrent enrollment in ENGL 26 and
ENGL 36 is strongly recommended. This course covers the first
half semester's work of ENGL 6 and is offered for the convenience of night students who cannot attend class more than
one night per week. This course will emphasize vocabulary building, conversational
skills and listening comprehension. This course, together with ENGL 6B, is equivalent to ENGL 6. Not open to students who have completed ENGL 6. (Nontransferable, nongrade applicable)

ENGL 6B (2)
BEGINNING GRAMMAR AND COMPOSITION FOR ESL
2 Hrs. Lec. 1/2 Hr. Lab.
Recommended Preparation: Appropriate placement recommendation
or completion of ENGL 6A. Concurrent enrollment in ENGL 26 and
ENGL 36 is strongly recommended. This course covers the second
half semester's work of ENGL 6 and is offered for the convenience of night students who cannot attend class more than
one night per week. Satisfactory completion of ENGL 6A and 6B is
equivalent to ENGL 6 and qualifies the student to enroll in ENGL 5A.
Not open to students who have completed ENGL 6. (Nontransferable, nongrade applicable)

ENGL 7 (4)
BASIC ESL/CIVICS
4 Hrs. Lec. 1 Hr. Lab.
A course designed for non-native speakers who have no knowledge of
English and whose literacy in their native language is minimal. Basic
English will give students the necessary literacy skills to enter ENGL
6. (Nontransferable, nongrade applicable)

ENGL 8 (3)
PRACTICAL ENGLISH FOR THE WORKPLACE
3 Hrs. Lec.
Recommended Preparation: Appropriate ESL placement recommenda-
tion and/or completion of ENGL 4A. 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 Child-
hood Education. The course will cover the vocabulary and grammar of English within the context of the workplace.
(Nontransferable, nongrade applicable)

ENGL 11 (3.5)
READING I: ANTHOLOGICAL AND CRITICAL READING
3 Hrs. Lec. *1 Hr. Lab.
Recommended Preparation: Appropriate placement recommenda-
tion or completion of ENGL 12B and ENGL 1A. 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. (CSU)
*Participation in instructor-assigned reading lab activities is a required part of the course.

ENGL 12A (3.5)
READING II: INTERMEDIATE DEVELOPMENT
3 Hrs. Lec. *1 Hr. Lab.
Recommended Preparation: Appropriate placement recommenda-
tion or completion of ENGL 12A. A course at the upper intermediate reading level designed to refine those skills designated in
ENGL 13A/13B. Includes additional instruction in study skills, outlining, previewing, summarizing, and critical reading. (Nontransferable, nongrade applicable)
*Participation in instructor-assigned reading lab activities is a required part of the course.

ENGL 12B (3.5)
READI NG III: INTERMEDIATE DEVELOPMENT
3 Hrs. Lec. *1 Hr. Lab.
Recommended Preparation: Appropriate placement recommenda-
tion or completion of ENGL 12A. This course aims to build reading
efficiency to college level to ensure reading competency for
general reading vocabulary, subject matter (e.g., psychology, history), reading vocabulary, parts of speech, dictionary skills, word
analysis, vocabulary building will be included. as well as those study
skills directly related to reading. (Nontransferable, nongrade applicable)
*Participation in instructor-assigned reading lab activities is a required part of the course.

ENGL 22A (3-3)
VOCABULARY BUILDING
1 Hr. Lab.
A concentrated study of affixes, roots, word origins, language
changes, varieties of meaning, the dictionary, and vocabulary in the
various content areas. (Nontransferable, nongrade applicable)

ENGL 22B (3)
ADVANCED VOCABULARY BUILDING AND SPELLING FOR ESL
3 Hrs. Lec.
Recommended Preparation: ENGL 25 & ENGL 5. The student will work
on English-Spanish cognates, roots and prefixes, idioms, general
vocabulary, subject matter (e.g., psychology, history), reading vocabulary, parts of speech, dictionary skills, word
analysis, vocabulary building will be included. as well as those study
skills directly related to reading. (Nontransferable, nongrade applicable)

ENGL 22C (3)
ADVANCED VOCABULARY BUILDING AND SPELLING FOR ESL
3 Hrs. Lec.
Recommended Preparation: Concurrent enrollment in ENL 5. The intermediate ESL student will work on roots and prefixes, idioms,
spelling, pronunciation, parts of speech, irregular verbs, and the
learning of new words. A lot of class practice will be given in oral and
written use of new words and expressions. (Nontransferable, nongrade applicable)

ENGL 25 (3)
INTERMEDIATE VOCABULARY BUILDING AND SPELLING FOR ESL
3 Hrs. Lec.
Recommended Preparation: Concurrent enrollment in ENGL 5. The
intermediate ESL student will work on roots and prefixes, idioms,
spelling, pronunciation, parts of speech, irregular verbs, and the
learning of new words. A lot of class practice will be given in oral and
written use of new words and expressions. (Nontransferable, nongrade applicable)

ENGL 26 (3)
BEGINNING VOCABULARY BUILDING AND SPELLING FOR ESL
3 Hrs. Lec.
Recommended Preparation: Concurrent enrollment in ENGL 5. A
beginning course in vocabulary will be offered. Some spelling
skills will be taught and vocabulary will be used both in oral and
written sentences. (Nontransferable, nongrade applicable)
ENGL 32 (3)
AMERICAN LITERATURE
3 Hrs. Lee.
Recommended Preparation: ENGL 33. This course is designed to bring ENGL 33 bilingual students to a near-native level of fluency and listening comprehension so that they may successfully compete with native speakers. Students will prepare, present and evaluate activities such as speeches, oral interpretations, interviews, reports, debates, and simulation games. Emphasis will be given to use of the library to provide appropriate material for the topics of academic and community significance. Recommended for students concurrently enrolled in ENGL 2AB and ENGL 12AB. May be taken as a preparation, but not as a substitute, for ENGL 1 (Nontransferable, nondegree applicable).

ENGL 33 (3)
ENGLISH LITERATURE
3 Hrs. Lee.
Recommended Preparation: ENGL 34. This course is designed to bring advanced ESL 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 speeches, commercials, dialogs, skits, oral interpretations, debates and simulation games. (This course may be taken as a preparation, but not as a substitute, for ENGL 1 (Nontransferable, nondegree applicable).

ENGL 34 (3)
ADVANCED ORAL ENGLISH FOR ESL
3 Hrs. Lee.
Recommended Preparation: Concurrent enrollment in ENGL 4. An intensive course in oral American English for students who have learned English as a second language. It is intended for students who may read and write English, but who still need more practice in manipulating oral structures. (Nontransferable, nondegree applicable.)

ENGL 35 (3)
INTERMEDIATE ORAL ENGLISH FOR ESL
3 Hrs. Lee.
Recommended Preparation: Concurrent enrollment in ENGL 5. A conversational course designed for the intermediate student of English. Students will utilize oral English by creating their own dialogs and presenting them, and by speaking on posters or other visual materials. Differences between the English of English and Spanish, and how these differences affect the students' oral English will be discussed. (Nontransferable, nondegree applicable.)

ENGL 36 (3)
BEGINNING ORAL ENGLISH FOR ESL
3 Hrs. Lee.
Recommended Preparation: Concurrent enrollment in ENGL 6. A conversational course designed for the beginning student of English. The students will explore the fundamentals of the English sound system. Listening and speaking will be emphasized through basic dialogues to be learned, through simple stories to be listened to, and through questions to be answered orally. (Nontransferable, nondegree applicable.)

ENGL 41A (3)
SURVEY OF AMERICAN LITERATURE
3 Hrs. Lee.
Prerequisite: ENGL 1A, with a grade of "C" or better. Recommended Preparation: ENGL 1B. A study of the works of major American writers from the Colonial Period through the Civil War. (CSU, UC)

ENGL 41B (3)
SURVEY OF AMERICAN LITERATURE
3 Hrs. Lee.
Prerequisite: ENGL 1A, with a grade of "C" or better. Recommended Preparation: ENGL 1B. A continuation of AMERICAN LITERATURE 41A. A study of American writers from the Post-World War II period. (CSU, UC)

ENGL 42A (3)
SURVEY OF WORLD LITERATURE
3 Hrs. Lee.
Prerequisite: ENGL 1A, with a grade of "C" or better. Recommended Preparation: ENGL 1B. Study of selected literature of the Greek, Roman, Middle Ages, and the Renaissance. Emphasis is on literature other than American and English. (CSU, UC)

ENGL 42B (3)
SURVEY OF WORLD LITERATURE
3 Hrs. Lee.
Prerequisite: ENGL 1A, with a grade of "C" or better. Recommended Preparation: ENGL 1B. Close study of works of major English writers up to the end of the 18th century, with consideration of the more important aspects of English literary history. (CSU, UC)

ENGL 43A (3)
SURVEY OF ENGLISH LITERATURE
3 Hrs. Lee.
Prerequisite: ENGL 1A, with a grade of "C" or better. Recommended Preparation: ENGL 1B. Study of selected literature of Neoclassicism, Romanticism, Naturalism, Symbolism and modern school critics. Emphasis is on critical analysis of the major American and English works. May be taken before ENGL 42A. (CSU, UC)

ENGL 43B (3)
SURVEY OF ENGLISH LITERATURE
3 Hrs. Lee.
Prerequisite: ENGL 1A, with a grade of "C" or better. Recommended Preparation: ENGL 1B. Close study of works of major English writers since 19th and 20th centuries, with consideration of the more important aspects of English literary history. May be taken before ENGL 43A. (CSU, UC)

ENGL 46A (3)
The MEXICAN AMERICAN IN LITERATURE
3 Hrs. Lee.
Recommended Preparation: Eligibility for ENGL 1A. 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 SPAN 28A) (CSU, UC)

ENGL 46B (3)
The MEXICAN AMERICAN IN LITERATURE
3 Hrs. Lee.
Recommended Preparation: Eligibility for ENGL 1A. A continuation of MEXICAN AMERICAN IN LITERATURE 46A. Conducted in English. 46B may be taken before ENGL 46A, same as SPAN 28B) (CSU, UC)

ENGL 47 (3)
ENGLISH REFERENCE TO THE BIBLE AS LITERATURE
3 Hrs. Lee.
Prerequisite: ENGL 1A, with a grade of "C" or better. Recommended Preparation: ENGL 1B. A study of literature and history of the Bible. (CSU, UC)

ENGL 50 (3)
ADVANCED COMPOSITION
3 Hrs. Lee.
Prerequisite: ENGL 1A with a grade of "C" or better. Emphasizes critical thinking in reading and writing beyond that achieved in ENGL 1A. 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 50H (1)
ADVANCED COMPOSITION - HONORS
1 Hr. Lee.
Recommended Preparation: ENGL 1A with a grade of B or better. Corequisite: ENGL 50. A roundtable seminar, this course will emphasize reased evaluation and "strong sense" critical thinking. This emphasis is on critical analysis of the major American and English works. May be taken before ENGL 42A. (CSU, UC)

ENGL 52 (3)
INTRODUCTION TO LINGUISTICS
3 Hrs. Lee.
Recommended Preparation: ENGL 2B or ENGL 1A. Introduction to the various branches of linguistics: language classification, dialectal variation, psycholinguistics, sociolinguistics, semantics. Specific work on English sounds, grammar, and dialects, including comparisons of English with Spanish. Recommended for teachers, teacher aides, students of foreign languages, and anyone interested in examining the differences in language knowledge. Suitable for English speaking and bilingual students. (CSU, UC)

ENGL 53B (3-5)
CREATIVE WRITING
3 Hrs. Lee.
Prerequisite: ENGL 2B or ENGL 1A. Introduction to the various branches of linguistics: language classification, dialectal variation, psycholinguistics, sociolinguistics, semantics. Specific work on English sounds, grammar, and dialects, including comparisons of English with Spanish. Recommended for teachers, teacher aides, students of foreign languages, and anyone interested in examining the differences in language knowledge. Suitable for English speaking and bilingual students. (CSU, UC)

ENGL 54 (3)
INTRODUCTION TO FILM HISTORY AND CRITICISM
2 Hrs. Lee.
Examines the development and origins 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. (CSU, UC)

ENGL 55 (3)
INTRODUCTION TO TECHNICAL AND REPORT WRITING
3 Hrs. Lee.
Recommended Preparation: ENGL 2B or ENGL 1A. A study of technical and report writing. Emphasis on writing for industrial purposes. (CSU, UC)
ENV T 100 (4) INTRODUCTION TO ENVIRONMENTAL TECHNOLOGY 4 Hrs. 2 Lec. Recommended Preparation: ENGL 12B and ENGL 2B Level. General overview of the environmental technology area, including the history of past and current sources of pollution leading to current technologies. Management systems, source control and methodologies designed to protect the human community are presented. The regulatory frameworks, and how each of these regulations will be addressed. Career opportunities in the areas of the handling and management of hazardous substances and worker safety will be discussed. (CSU)

ENV T 103 (3) HAZARDOUS WASTE GENERATION/REDUCTION/TREATMENT 3 Hrs. Lect. The study of industrial process and their generation of waste streams in selected industries to include: electropolishing, metal finishing and printed circuit board production, oil refining and chemical production, geothermal, general manufacturing, commercial printing and graphic reproduction, recycling, and solid waste cleaning and consumer services. The course centers on various raw materials used in industry, examining the changes that occur as they move through industrial processing and the waste control balance concept of inventory. The fiscal and ethical importance of waste minimization/treatment is stressed, and integrated with pollution prevention and environmentally conscious practices. (CSU)

ENV T 106 (3) HAZARDOUS MATERIALS MANAGEMENT APPLICATION 2 Hrs. Lect., 2 Hrs. Lab. Recommended Preparation: ENGL 12B and ENGL 2B, ENV T 100 & ENV T 103. This course examines requirements of federal, state, and local laws and regulations relating to hazardous materials disclosure. It will cover California and Federal OSHA Hazard Communication standards as they relate to Emergency-Planning and Community Right to Know Laws, Safe Drinking Water and Toxic Enforcement Act, transportation and underground tank regulations will be addressed. Air and water quality issues will be examined with emphasis on applications of laws, regulations and procedures including identification of toxic air and water pollutants; new source review and permitting; and general planning and reporting functions. (CSU)

ENV T 107 (3) HAZARDOUS WASTE MANAGEMENT APPLICATION 2 Hrs. Lect., 2 Hrs. Lab. Recommended Preparation: ENV T 100 & ENV T 103. This course will include a study of the requirements and applications of Federal, State and local laws and regulations relating to Hazardous Waste Management. Emphasis applicable to industry including proper labeling, packaging, manifesting of Hazardous Wastes; storage requirements; permitting and general planning and reporting functions. It will also include a study of the requirements and associated environmental, information, environmental sampling, methodology, equipment recognition and maintenance, calibration procedures, basic analytical techniques and data interpretation. Selecting and working with analytical service laboratories, development and use of sampling plans and performance of basic tests using typical field equipment will also be covered. (CSU)

ENV T 109 (3) HEALTH EFFECTS OF HAZARDOUS MATERIALS 3 Hrs. Lect. Recommended Preparation: ENV T 100, BIOL 2, CHEM 1A. This is a seminar course that includes the basics of toxicology and will cover the health effects produced by exposure to chemical hazards. The course is an overview of toxicology including environmental and physical processes, sources of exposure to toxins, and patterns of acute and chronic health effects. The second major focus will address the basic structure of industrial hygiene regulations and standards, sources of information concerning harmful agents, use of personal protective equipment, exposure guidelines and limits, monitoring and control of harmful agents in the workplace and risk evaluation. Emphasis will be placed on ethical responsibilities of people handling hazardous materials and the proper safety attitude. (CSU)

ENV T 113 (5) SAFETY AND EMERGENCY RESPONSE 4 Hrs. Lect. 2 Hrs. Lab. This course includes all of the content of: ENV T 113A Hazardous Materials Awareness & Safety, ENV T 113B Spill Control & Emergency Response. This course is designed to provide students with an understanding of emergency response and emergency response training and consumer services. The course centers on various raw materials used in industry, examining the changes that occur as they move through industrial processing and the waste control balance concept of inventory. The fiscal and ethical importance of waste minimization/treatment is stressed, and integrated with pollution prevention and environmentally conscious practices. (CSU)

ENV T 113A (3) SAFETY AND EMERGENCY RESPONSE, FUNDAMENTALS OF HAZARDOUS MATERIALS FOR THE FIRST RESPONDER 3 Hrs. Lect. Recommended Preparation: ENV T 100, ENV T 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, treatments, agency protocols and responsibilities, emergency procedures, and incident command functions. Anyone who may discover or respond to a Haz-Mat incident 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). (CSU)

ENV T 113B (5) SAFETY AND EMERGENCY RESPONSE, Spill Control and EMERGENCY RESPONSE 1 Hr. Lab. 2 Hrs. Lab. Recommended Preparation: ENV T 100, ENV T 113A. Study of procedures for safety and emergency response to chemical spills in industrial and field setting. The focus is on various spill control schemes, containment, mitigation procedures, development and implementation of a personal protective program pursuant to OSHA standards. (CSU)

FIRE TECHNOLOGY

Students who have successfully completed the following courses through 1) National Fire Academy (NFA) or 2) the California Department of Forestry (CDF) may request equivalent credit from Cal Poly San Luis Obispo for the following courses: FIRE 110, FIRE 111A, FIRE 111B, FIRE 112A, FIRE 112B, FIRE 113A, FIRE 113B, FIRE 114A, FIRE 114B, FIRE 115A, FIRE 115B, FIRE 116A, FIRE 116B, FIRE 117A, FIRE 117B, FIRE 118A, FIRE 118B, FIRE 120A, FIRE 120B, FIRE 121A, FIRE 121B. (CSU)

FIRE 100 (3) FIRE PROTECTION ORGANIZATION 3 Hrs. Lab. Recommended Preparation: Completion of or concurrent enrollment with CPR card. A course to train people handling hazardous materials and the proper safety attitude. Credit may be given upon presentation of documentation of successful completion and Division Chair approval.

FIRE 101 (3) FIRE PROTECTION TECHNOLOGY 3 Hrs. Lab. Recommended Preparation: FIRE 100. This course is designed to create emergency support effectiveness in preventing, controlling, and terminating incidents involving pipeline transportation. (CSU)

FIRE 102 (3) FIRE PROTECTION ORGANIZATION II 3 Hrs. Lab. Recommended Preparation: FIRE 100. 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 fuels at gas fired service burners under controlled supervision. (CSU)

FIRE 103 (3) PIPELINE TRANSPORTATION EMERGENCIES 5 Hrs. Lab. Recommended Preparation: Completion of or concurrent enrollment with CPR card. A course to train people handling hazardous materials and the proper safety attitude. Credit may be given upon presentation of documentation of successful completion and Division Chair approval.

FIRE 104 (3) FIRE PROTECTION ORGANIZATION III 3 Hrs. Lab. Recommended Preparation: FIRE 100. This course provides an introduction to fire protection; career opportunities in fire protection; fire loss analysis; organization and function of a fire department; public and private fire protection services; fire department as a part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire fighting tactics; OSHA regulations; the chemistry and physics; introduction to fire protection systems; and an introduction to fire safety and tactics. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)
FIRE 101 (3) 
FIRE PREVENTION TECHNOLOGY 
3 Hrs. Lab. 
Prerequisite: FIRE 100, concurrent enrollment or equivalent. This course provides fundamental information regarding the design 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) 
FIRE PROTECTION EQUIPMENT AND SYSTEMS 
3 Hrs. 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) 
BUILDING CONSTRUCTION FOR FIRE PROTECTION 
3 Hrs. 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 with regard to the development of fire, operation, 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 buildings. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 104 (3) 
FIRE BEHAVIOR AND COMBUSTION 
3 Hrs. 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, combustion 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) 
EMERGENCY MEDICAL TECHNICIAN I 
7.5 Hrs. Lab. 
(Same as EMT 1) (CSU)

FIRE 108R (2) 
EMERGENCY MEDICAL TECHNICIAN - REFRESHER 
2 Hrs. Lab. 
(Same as EMT 1R) (CSU)

FIRE 106 (1) 
FIRST AID/CPR - PUBLIC SAFETY FIRST RESPONDER 
1 Hr. 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 skills. 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. This course includes a CPR and a CPR course completion card through the American Heart Association. (CSU)

FIRE 110 (3) 
INTRODUCTION TO FIRE FIGHTER 
3 Hrs. Lab. 
Introduction into basic fire technology. Course will introduce fire service organization and responsibilities. Fire behavior, extinguishing 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 part of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 111 (2.5) 
STRAWS, NOZZLES, HOSE AND APPLIANCES 
2 Hrs. 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 of two (2) of a six part program that will satisfy course requirements for California State Fire Fighter I certification requirements. (CSU)

FIRE 112 (2.5) 
GROUND LADDERS, FORCIBLE ENTRY AND RESCUE 
2 Hrs. Lab. 
Prerequisite: FIRE 110. A continuation of basic Fire Fighter I training. Ground ladders, forcible entry, and rescue techniques will be practiced. Manipulative skill training 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 of three (3) of a six part program that will satisfy course requirements for California State Fire Fighter I certification requirements. (CSU)

FIRE 113 (2) 
VENTILATION AND FIRE CONTROL 
2 Hrs. Lab. 
Prerequisite: FIRE 110. A continuation of basic Fire Fighter I training. Ventilation and fire control techniques will be presented. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is part of five (5) of a six part program that will satisfy course requirements for California State Fire Fighter I certification requirements. (CSU)

FIRE 114 (3.5) 
FIRE FIGHTER I - ADVANCED 
2.5 Hrs. Lab. 1 Hr. Lab. 
Prerequisite: FIRE 110. A more advanced portion of basic Fire Fighter I training. Topics to be presented include: salvage and overall, fire protection water supplies, fire protection systems, fire protection equipment and training, investigation of hazardous materials, fire alarm communications, and vehicle extraction operation. 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 of five (5) of a six part program that will satisfy course requirements for California State Fire Fighter certification requirements. (CSU)

FIRE 116 (2) 
FIRE INVESTIGATION IA 
2 Hrs. Lab. 
This course involves the study of calculations required to assure sufficient fire spread and volume 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 interpretation of 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 comprehensive water supply. (CSU)

FIRE 120 (3) 
FUNDAMENTALS OF HAZARDOUS MATERIALS FOR FIRST RESPONDER 
3 Hrs. Lab. 
Prerequisite: Completion of 24 units in Fire Technology at the 100 level. The course will present focus on code use, improvements, enforcement and fire cause, considerations of various flammable materials, properties of plastics, and portable and fixed fire protection equipment. Successful completion fulfills one of the fire prevention requirements for California State Officer Certification. (CSU)

FIRE 203B (2) 
FIRE PREVENTION IB 
2 Hrs. Lab. 
Prerequisite: FIRE 203A. This course is a continuation of the study of fire prevention. Topics include a continuation of fire arson investigation, engineering a solution of hazards, enforcing the solution, student relations as affected by fire prevention. Other focuses include building construction, flame spread classification, fire doors, existing standards, calculations of occupant load, smokeproof enclosures, sprinkler system design, electrical hazards, fire alarm and detection systems and devices. Successful completion of this course and FIRE 204A satisfies the fire prevention requirements for California State Officer Certification. (CSU)

FIRE 204A (2) 
FIRE PREVENTION IA 
2 Hrs. Lab. 
Prerequisite: Completion of 12 units in Fire Technology at the 100 level with 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 techniques and methods for training personnel for 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 teaching through teaching demonstrations will be provided. Successful completion of this course will satisfy one of the requirements to become a Fire State Fire Marshal's training requirements for certificate as a Fire Inspector I. (CSU)

FIRE 204A (2) 
FIRE PREVENTION IA 
2 Hrs. Lab. 
Prerequisite: Completion of 12 units in Fire Technology at the 100 level with 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 techniques and methods for training personnel for 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 teaching through teaching demonstrations will be provided. Successful completion of this course will satisfy one of the requirements to become a Fire State Fire Marshal's training requirements for certificate as a Fire Inspector I. (CSU)
FIRE 220A (2)
FIRE COMMAND IA
2 Hrs. Lec.
Prerequisite: Completion of 12 units of Fire Technology at the 100 level or current affiliation with a fire agency. A course designed for the initial response, "first in" officer at emergency scenes. This officer may be a company officer, senior engineer, captain, lieutenant, or acting officer. This course provides the Fire Company Officer with information and experience in command and control techniques at the scene of an emergency. The topics emphasize managerial and decision-making skills required for command. The managerial concepts of this course are applicable to all types and sizes of incidents. The course emphasis is centered on structural firefighting. This course will satisfy one of the prerequisites for Fire Command 2B presented through the State Fire Academy. (CSU)

FIRE 220B (2)
FIRE COMMAND IB
2 Hrs. Lec.
Prerequisite: FIRE 220A. 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)

FREN 1 (2.5)
ELEMENTARY FRENCH
2.5 Hrs. Lec.
High school language credit are strongly advised to begin. Students who have recently studied French for three years or more are recommended to take the third semester of the college level course. Corequisite: Current enrollment in FREN 1.

FREN 1B (2.5)
ELEMENTARY FRENCH
2.5 Hrs. Lec.
Students must plan for one-half hour of individual language laboratory by arrangement. (CSU) UC credit limited. See a counselor.

FREN 2 (5)
ELEMENTARY FRENCH
5 Hrs. Lec.
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 one hour of individual language laboratory by arrangement. (CSU) UC credit limited. See a counselor.

FREN 2A (2.5)
ELEMENTARY FRENCH
2.5 Hrs. Lec.
This course is one-half the content of the regular FREN 2 course. Completion of FREN 2A and 2B will be the equivalent of FREN 2, and the total of 5 units. Students must plan for one-half hour of individual language laboratory by arrangement. (CSU) UC credit limited. See a counselor.

FREN 2B (2.5)
ELEMENTARY FRENCH
2.5 Hrs. Lec.
A continuation of French 2A. Students must plan for one-half hour of individual language laboratory by arrangement. (CSU) UC credit limited. See a counselor.

FREN 2H (1)
FRENCH HONORS
1 Hr. Lec.
Corequisite: Current enrollment in FREN 2. 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 form as well as in roundtable discussions. (CSU, UC)

FREN 3 (4)
INTERMEDIATE FRENCH
4 Hrs. Lec.
An intermediate course offering review and expansion of grammar and vocabulary learned in FREN 1 and FREN 2. Emphasis on communicative applications and appropriate rate of comprehensible output. Students must plan for one hour per week of required language laboratory practice by individual study arrangement. (CSU, UC)

FREN 4 (4)
INTERMEDIATE FRENCH
4 Hrs. Lec.
Continuation of FREN 3. 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 5 (3)
INTERMEDIATE FRENCH READING AND WRITING
3 Hrs. Lec.
Intensive reading and vocabulary development based on cultural and literary materials, including critical analysis and summaries. (CSU, UC)

FREN 10 (3)
INTERMEDIATE CONVERSATIONAL FRENCH
3 Hrs. Lec.
Recommended Preparation: Concurrent enrollment in FREN 3. Practical conversational skills are developed through listening exercises, directed conversations on assigned readings from newspapers, 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 11 (3)
INTERMEDIATE CONVERSATIONAL FRENCH
3 Hrs. Lec.
Recommended Preparation: Concurrent enrollment in FREN 4. Completion of FREN 10. Student must plan for an additional hour of individual language laboratory by arrangement. (CSU)

FREN 60ABC (1-1-1)
LANGUAGE LABORATORY
2 Hrs. Lab.
Individualized language laboratory practice with prepared taped materials and texts in the language laboratory. Practice in listening, comprehension and pronunciation. Supplementary course for beginning, intermediate and advanced levels in French. (Nontransferable. AA/AS degree only)

GEOG 1 (3)
(CAN GEOG 2)
PHYSICAL GEOGRAPHY
3 Hrs. Lec.
An introduction to the physical characteristics of the earth. Natural features, such as: climate, land forms, natural vegetation, and the water and mineral resources of the earth. (CSU, UC)

GEOG 2 (3)
(CAN GEOG 4)
CULTURAL GEOGRAPHY
3 Hrs. Lec.
An introduction to the regions and cultures of the world. Emphasis on the contemporary, geographical, linguistic, religious, and economic characteristics of major regions in the world. May be taken before GEOL 1. (CSU, UC)

GEOL 3 (3)
ECONOMIC GEOGRAPHY
3 Hrs. Lec.
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)

HEALTH ASSISTANT
The Health Assistant is trained to acquire satisfactory skills and demonstrate competence in a variety of skills necessary in the medical office. This is a mandatory part of the Nursing Assistant Program. (CSU)

GERMAN 1 (4)
ELEMENTARY GERMAN
4 Hrs. Lec. 1 Hr. Lab.
Prerequisite: preparation, practice in introducing, reading and writing, basic grammar of the German language. The student must plan for an additional hour of individual language laboratory. (CSU) UC credit limited. See a counselor.

GERMAN 1A (2)
ELEMENTARY GERMAN
2 Hrs. Lec. 1/2 Hr. Lab.
Beginning course of graded lessons acquainting the student with the basic structure and pronunciation through practice in speaking, reading and writing. This course is the first half of the first semester. Completion of GERMAN 1A and GERMAN 1B is the equivalent of GERMAN 1, a total of 4 units. Students must plan for an additional one-half hour of individual language laboratory by arrangement. (CSU, UC) UC credit limited. See a counselor.

GERMAN 1B (2)
ELEMENTARY GERMAN
2 Hrs. Lec. 1/2 Hr. Lab.
Continuation of GERMAN 1A. Students must plan for one-half hour of individual language laboratory by arrangement. (CSU) UC credit limited. See a counselor.

GERMAN 2 (4)
ELEMENTARY GERMAN
4 Hrs. Lec. 1 Hr. Lab.
An intensive, methodical presentation to develop facility in the skills of listening, comprehension, speaking, reading and writing with control of the basic structures in both oral and written form. German culture and civilization will be introduced. Students must plan for an additional one-half hour of individual language laboratory by arrangement. (CSU, UC)

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See Counseling Center for further information.

The last year course taken by a student in the high school language sequence may be repeated in college for graduation credit, not to exceed five units of repeated foreign language work. Students with high school language credit are strongly advised to see the instructor before enrolling.

Continuum of FREN IA and FREN IB is the equivalent of FREN 1. A and B is the equivalent of FREN 2. Students receive official certification as a nursing assistant.
The Home Health aide is employed in a variety of settings. Home Health aides care for the elderly, convalescent, and/or handicapped patient in the home. They work with patients of all ages and many types of disabilities. The program provides training for students who have a current nurse assistant license and BLS card. A certificate of completion from 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 use, diagnostic tests and procedures, EKG, minor surgical procedures, medical emergencies, CPR-health care provider level. (Nontransferable, AA/AS degree only)

**HE 2 (3)**
**HEALTH EDUCATION**

Prerequisite: 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)

**HE 3 (2)**
**HEALTH EDUCATION - MILITARY SERVICE**

Prerequisite: The satisfactory completion of basic or recruit training and 180 days or more active service in the military of the United States. Students must present his/her DD214 or equivalent supporting document to the Veterans Assistant and register for the credit. If the student requests military credit and does not submit verification of service, the course will be dropped as a No-Show and will not receive credit. HE 3 does not count for units toward VA, Financial Aid, or full-time student status. These are not contact hours. May receive credit once only. (CSU)

**HEALTH TECHNOLOGIES**

**HT 1 (2)**
**INTRODUCTION TO HEALTH SCIENCE**

1 Hrs. Lab.

In this course the educational requirements and practice demands of the varied careers within the health services are surveyed. Progress and trends in health care delivery since 1940 are presented as a background for the exploration of the current state of the art. Major health problems of the 1980's are identified and the impact of lifestyles, environment and education on physical and emotional well-being are analyzed. (Nontransferable, AA/AS degree only)

**HT 3 (3)**
**MEDICAL TERMINOLOGY**

3 Hrs. Lab.

Course of study designed to develop competency in the accurate use of medical vocabulary to include anatomy, physiology, diseases, and descriptive terms and prepare students for entry-level positions as medical transcriptionists, clinical editors, health insurance processors, and patient administration specialists. (CSU)

**HT 4 (3)**
**MEDICAL TRANSCRIPTION**

2 Hrs. Lab.

Prerequisite: HT 3. Ability to type 40 words per minute. Course of study designed to prepare students to transcribe data from a recording device into typewriter form using standard typewriters and/or microcomputers. Includes information placed on patient records in hospitals, doctors' offices and clinics. Upon completion of this course, the student should be prepared to accept an entry-level position as a transcriptionist. (CSU)

**HT 5 (3)**
**PATIENT INFORMATION SYSTEMS**

2 Hrs. Lab.

Prerequisite: HT 3. Ability to type 40 words per minute. Course of study designed to prepare students to use memory typewriters, word processing systems, terminals, and output equipment to store and retrieve patients' data. (CSU)

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**HA 16 (1.5)**
**HOME HEALTH AID CIPRENDATION AND ADMINISTRATION OF MEDICATION**

3 Hrs. Lab. 1.5 Hrs. Lab.

Prerequisite: HA 21. This course is designed to prepare students to understand medical-legal aspects, drug classifications, medical math, usage of PDR, abbreviations, and symbols, writing prescriptions, charting, pharmacy calls, drug storage, methods of administering medications: orally, sublingual, topicaliy, 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)

**HA 21 (3.5)**
**EXAMINATION PROCEDURES**

3 Hrs. Lab. 1.5 Hrs. Lab.

Prerequisite: HA 20. This course is designed to prepare students in preparation 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 use, diagnostic tests and procedures, EKG, minor surgical procedures, medical emergencies, CPR-health care provider level. (Nontransferable, AA/AS degree only)

**HA 22 (3.5)**
**PHARMACOLOGY AND ADMINISTRATION OF MEDICATION**

3 Hrs. Lab. 1.5 Hrs. Lab.

Prerequisite: HA 21. This course is designed to prepare students to understand medical-legal aspects, drug classifications, medical math, usage of PDR, abbreviations, and symbols, writing prescriptions, charting, pharmacy calls, drug storage, methods of administering medications: orally, sublingual, topicaliy, 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)

**HA 23 (4.5)**
**CLINICAL EXTERNSHIP**

12 Hrs. Lab.

Prerequisite: HA 22. This course is designed to enable students to put all didactic information and skills together in the work setting of a clinic or doctor offices. The medical assistant student is placed at a medical office, clinic, or HMO where he/she will gain hands-on experience performing 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)

**HA 24 (4.5)**
**ADMINISTRATIVE MEDICAL ASSISTANT I**

4.5 Hrs. Lect.

Prerequisite: HT 3. Course of study designed to prepare students for entry-level positions in clinical and doctors' offices. Medical-legal aspects, history of medicine, interpersonal communications confidentiality, reception environment, insurance, records management, professionalism and telephone communications are emphasized. (Nontransferable, AA/AS degree only)

**HA 25 (4.5)**
**ADMINISTRATIVE MEDICAL ASSISTANT II**

4.5 Hrs. Lect.

Prerequisite: HA 18. This course is designed to prepare students to operate office management equipment, prepare the patients' medical records, understand medical care expenses, credit arrangements, bookkeeping procedures, collection on overdue accounts, health insurance, billing, banking, general management. (Nontransferable, AA/AS degree only)

**HA 30 (2.5)**
**SPECIMEN COLLECTION AND LABORATORY PROCEDURES**

3 Hrs. Lab. 1.5 Hrs. Lab.

Prerequisite: HA 19. 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, obtaining of compelling and venous blood samples, cannulation techniques, urinary, sputum and stool specimens. (Nontransferable, AA/AS degree only)

**HE 1 (3)**
**HEALTH EDUCATION**

Prerequisites: Fundamentals of healthful living designed to provide scientific health information, and promote desirable attributes and practices. Includes the study of first aid and the relationship of alcohol, nutrition. smoking, stress, and the role of health personnel involved in family and community health and safety. (CSU, UC)

**HE 2 (3)**
**FIRST AID**

3 Hrs. 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)

**HE 3 (2)**
**HEALTH EDUCATION - MILITARY SERVICE**

Prerequisite: The satisfactory completion of basic or recruit training and 180 days or more active service in the military of the United States. Students must present his/her DD214 or equivalent supporting document to the Veterans Assistant and register for the credit. If the student requests military credit and does not submit verification of service, the course will be dropped as a No-Show and will not receive credit. HE 3 does not count for units toward VA, Financial Aid, or full-time student status. These are not contact hours. May receive credit once only. (CSU)
FIRST AID AND CPR FOR TEACHERS OF YOUNG CHILDREN
(Same as ECE 31B) (CSU)

HEMODIALYSIS TECHNICIAN I
3.5 Hrs. Lec. 4.5 Hrs. Lab.
Recommended Preparation: ENGL 1A and student must have an active nurse assistant certification (CNA) with a minimum of 2 years experience in an acute care setting. Course is designed to prepare the student to understand the theory of hemodialysis therapy and to prepare the student for practical application of learned hemodialysis therapeutic skills. Core curriculum includes modules which describe the history of dialysis and technological advances, the normal renal functions, causes of renal failure, treatment options, principles of hemodialysis, hemodialysis devices, hemodialysis procedures and hemodialysis complications, artificial dialyzer reprocessing, water treatment, and vascular access. (Nontransferable, AA/AS degree only)

HEMODIALYSIS TECHNICIAN II
3.5 Hrs. Lec. 7.5 Hrs. Lab.
Recommended Preparation: ENGL 1A and student must have an active nurse assistant certification (CNA) with a minimum of two (2) years experience in an acute care setting. Course is designed to prepare the student to understand the theory of hemodialysis therapy and to obtain the necessary skills to perform as a HemoDialysis Technician in the chronic dialysis setting. Student will learn how to successfully initiate and terminate a chronic dialysis treatment. This course will prepare the student to take the State approved HemoDialysis Technician Exam. Students must pass with an 80% to receive certification. (Nontransferable, AA/AS degree only)

HISTORY

HIST 30 (3)
MEXICO AND THE AMERICAN SOUTHWEST
3 Hrs. Lec.
A computer survey of Mexico from the early nineteenth century, the independence movement, the Mexican-American War and the development of Mexico and the American Southwest in the last two decades. (CSU, UC)

HIST 33 (3)
HISTORY OF IMPERIAL VALLEY
3 Hrs. Lec.
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 35 (3)
ORAL HISTORY
3 Hrs. Lec.
Through tape-recorded interviews and written documentation, oral history will preserve the past as accurately and completely as possible. This course will emphasize Imperial Valley history and development. (CSU)

HIST 45A (3)
COMPARATIVE HISTORY OF THE AMERICAS
3 Hrs. Lec.
HIST 45A and HIST 45B form a comparative history of the western hemisphere from ancient American history to the present, focusing on relationships between Europeans, American Indians, and African-American cultures. This course will also deal with pre-Columbian American civilizations, European exploration, and the creation of nations. (CSU, UC)

HIST 45B (3)
COMPARATIVE HISTORY OF THE AMERICAS
3 Hrs. Lec.
HIST 45A and HIST 45B form a comparative history of the western hemisphere from ancient American history to the present, focusing on relationships between Europeans, American Indians, and African-American cultures, institutions, and traditions.

HIST 50A (3)
EARLY WORLD HISTORY
3 Hrs. Lec.
Early World History defines and explains the interconnections of the diverse ancient civilizations that grew in Mesopotamia, Egypt, China, India, the classic West Africa, America and Oceania. A cultural overview to early modern times is included. This course meets the general education requirement for IVC and the California State University System. (CSU, UC)

HIST 50B (3)
MODERN WORLD HISTORY
3 Hrs. Lec.
Modern World History deals with the background and development of the modern world from earliest times to the present. The course emphasizes cultural, social, imperial, and industrial interactions between Western and non-Western societies. This course meets the general education requirement for IVC and the California State University System. (CSU, UC)

HIST 21 (3)
HUMANITIES DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(UC credit limited. See a counselor.)

HIST 22 (3)
BUSINESS DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(Nontransferable, AA/AS degree only)

HIST 23 (1-2)
BEHAVIORAL, SCIENCE & SOCIAL SCIENCE DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(UC credit limited. See a counselor.)

HIST 25 (1-2)
AUTOMOTIVE-AGRICULTURAL TECHNOLOGY DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(Nontransferable, AA/AS degree only)

HIS 26 (1-2)
ENGLISH DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(UC credit limited. See a counselor.)

HIS 27 (1-2)
SCIENCE DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(UC credit limited. See a counselor.)

HIS 28 (1-2)
MATHEMATICS-ENGINEERING DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(UC credit limited. See a counselor.)

HIS 29 (1-2)
EXPERIENCE SCIENCE, WELLNESS & SPORT DIVISION HONORS PROGRAM
1-2 Hrs. Lec.
(Nontransferable, AA/AS degree only)

HIS 30A (1-2)
FIELD STUDY
Lec./Lab. by arrangement
Required class instruction for honors students in major area of study offered by a division. Interdisciplinary conference with readings, discussion, and reports. Travel to on-site study areas may be required at student's expense. Special curriculum may be required by the student and/or instructors, but must be approved by the appropriate division chairperson and the Vice President for Academic Services. (CSU)

HUMAN RELATIONS

The Human Relations curriculum with an Associate in Arts and Associate in Science degree have been designed to prepare students for employment as counselor aides and group counselor aides, vocational rehabilitation aides, teacher aides, eligibility workers, social service technicians and other pre-professional positions in the vocational "new careers" concepts in people-to-people services. These services are used by youth and adult correctional institutions, welfare and vocational rehabilitation agencies, mental hospitals, state employment centers, educational institutions, and child care centers.

HUMAN RELATIONS

HRS 1 (3)
PERSONAL AND CAREER DEVELOPMENT
1 Hr. Lec.
This course examines the process a student will 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, will profit from the course. Self-awareness will be appraised by testing and discussing interests, abilities, limitations, needs and life goals. Self-awareness will be facilitated by exploring the world of work in terms of occupational outlook, wages, training required, opportunities for advancement and life styles. (CSU)

HRS 8A (1)
PERSONAL AND CAREER DEVELOPMENT
1 Hr. Lec.
This course will examine the theory and practice of self-awareness which are required when making a realistic career decision. Self-awareness will be appraised through an interest inventory, basic skills test, and a values, career, and interest inventory. The course will be limited to students who are undecided about their own future, and life goals. Self-awareness will be facilitated by exploring the world of work in terms of occupational outlook, wages, training required, opportunities for advancement and life styles. (CSU)

HRS 9 (1)
PERSONAL AND CAREER DEVELOPMENT
1 Hr. Lec.
This course will provide techniques for obtaining career information through both print and non-print resources of the IVC Career Center. Career awareness will be facilitated by exploring the "world of work" through such means as career briefs, career awareness surveys, and EUREKA, the computerized California Career Information System. Factors such as career opportunity, employment, wages, and required training will be explored. (CSU)

HRS 10 (1)
PERSONAL AND CAREER DEVELOPMENT
1 Hr. Lec.
This course examines the processes for obtaining employment in today's modern job market. Skills development in the areas of job search, employer contact, job interview, resume writing, and techniques of interviewing, and follow-up will be developed through practical experience. (CSU)

HRS 11A (3)
PRACTICUM
1 Hr. Lec. 6 Hrs. Lab. field experience per week
Recommended Preparation: ADPS/PSYCH 9, PSYCH 1A or SOC 1. A course designed to provide opportunity for the student in Psychology, Human Relations, or Alcohol and Drug Studies to gain experience in 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 disabilities, and educational settings. Students will be supervised by qualified instructional staff and professionally trained personnel. (Same as ADPS/PSYCH 11A) (CSU)
H REL 11B (3) PRACTICUM
1 Hr. Lec. 6 Hrs. Lab. Field experience per week
Prerequisite: H REL/ADS/PSYCH 11A. A combination of H REL/ADS/PSYCH 11A with emphasis in gaining further experience in the same institution or agency or a different institution or agency. (Same as ADS/PSYCH 11B (CSU))

H REL 61 (1) PERSONAL and SOCIAL DEVELOPMENT
1 Hr. Lec.
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 available to students. Topics include time management, study skills, note taking, learning styles, test taking, library skills, financial resources and money management, and educational program planning. (Non transferable, AA/AS degree only)

H REL 62ABC (1-1-1) PERSONAL and SOCIAL DEVELOPMENT
1 Hr. Lec.
A course utilizing group dynamics, designed to encourage and develop insight into college and modern problems of adjustment, the utilization of personal potential, and the understanding of individual and group processes of development. (Nontransferable, AA/AS degree only)

H REL 63A (5) ORIENTATION TO IVC
5 Hr. Lec.
A course required for all new matriculating students that is intended to be taken before a student is acquainted with the college’s programs, services, academic standards, procedures, and policies. Course materials include placement, career exploration, planning, development of a preliminary Student Educational Plan, registration assistance, and campus life. (Nontransferable, AA/AS degree only)

H REL 63B (5) STUDENT EDUCATIONAL PLAN
5 Hr. Lec.
An optional course to be taken after the successful completion of H REL 63A. This course expands on the foundation of information provided in H REL 63A by assisting each student to compile an individual needs analysis based on the student profile questionnaire completed in H REL 63A. Based on that needs analysis, specific information will be provided on the areas of transfer, vocational requirements, career exploration, choosing a major, decision making, campus organizations, student life, and assessment needs as necessary. (Nontransferable, AA/AS degree only)

H REL 63ABCD (1-1-1-1) THE STUDENT IN CONTEMPORARY COLLEGE AFFAIRS
1 Hr. Lec.
Designed to develop leadership qualities in students desiring to better understand the principles of publicity, finance, organization programs, group dynamics, and human relations. The course shall be offered on a credit basis only. (Nontransferable, AA/AS degree only)

HUM 1A (3) THE HUMANITIES IN WESTERN CULTURE
3 Hrs. Lec.
An examination of the Humanities in Western culture from the Prehistoric through the Medieval periods. The course will focus on the art, architecture, literature, music, philosophy, and theology of these periods. (CSU, UC)

HUM 1B (3) THE HUMANITIES IN WESTERN CULTURE
3 Hrs. Lec.
An examination of the Humanities in Western Culture from the Renaissance through the Modern periods. The course will focus on the art, architecture, literature, music, philosophy, and theology of these periods. (CSU, UC)

HUM 21 (3) THE HISTORY AND APPRECIATION OF DANCE
3 Hrs. Lec.
Same as FE 63 (CSU, UC)

HUM 25 (3) INTRODUCTION TO THE HUMANITIES
3 Hrs. Lec.
An exploratory course designed to introduce students to the major disciplines in the Humanities: art, architecture, literature, music, and dance. Examination of humanities as an art and how they are reflected in the arts of world cultures. (CSU, UC)

HUM 26 (3) THE HUMANITIES
3 Hrs. Lec.
An advanced course dealing extensively in music, dance, drama, film, visual arts, and architecture. Humanistic and interdisciplinary approach to study of creative expression. Requirements include diverse readings, papers and creative projects. Format includes discussions, lectures, and films. (CSU, UC)

INDIVIDUAL STUDIES

INDST 40-46 and 80-86 COURSE DESCRIPTION
Courses are not open on an individual basis. Course content, prerequisites, and unit credit are determined by the Division and the Vice President for Academic Affairs. Courses developed in relation to student interest and staff availability. Instructional methodology for courses numbered 40-46 and 80-86 may include distance learning. Course numbers 41-44 are (UC). Courses numbered 40, 45 and 46 are (CSU). Courses numbered 80-86 are (Nontransferable, nondegree applicable).

INDST 40 or 40 (1-3) VOCATIONAL EDUCATION
Hours by Arrangement

INDST 41 or 81 (1-3) HUMANITIES
Hours by Arrangement

INDST 42 or 82 (1-3) ENGLISH
Hours by Arrangement

INDST 43 or 83 (1-3) NATURAL SCIENCE
Hours by Arrangement

INDST 44 or 84 (1-3) BEHAVIORAL, SOCIAL, SCIENCE & SOCIAL SCIENCE
Hours by Arrangement

INDST 45 or 85 (1-3) BUSINESS
Hours by Arrangement

INDST 46 or 86 (1-3) EXERCISE SCIENCE, WELLNESS & SPORT
Hours by Arrangement

INDST 48AB or 88AB (1-4) DISABLED STUDENT PROGRAMS AND SERVICES
1-6 Hrs. Lec. Lab. by arrangement
This course is designed to help prepare the disabled student for full or partial participation in campus activities: academic, cultural, social, vocational, and environmental. (Nontransferable, nondegree applicable)

INDST 49ABC (1-2-1, 2-1-2) INDIVIDUAL STUDIES/NURSING LEARNING CENTER
1-6 to 5 Lab. by arrangement
Pre-requisite: Enrollment in a Nursing Education and Health Technologies Division Program. An individualized course of independent study by students in the programs offered by the Nursing Education and Health Technologies Division. Students will use materials in the Nursing Learning Center and will have the assistance of an NLN faculty advisor. Eighteen (18) hours of independent study in the NLC per semester will earn 1/2 unit credit. Thirty to (36) hours of independent study in the NLC per semester will earn 1 unit of credit. (Nontransferable, nondegree applicable)

INDST 89ABC (1-2-1, 2-1-2) INDIVIDUAL STUDIES FOR THE LEARNING CENTER
2-4 Hrs. Lab.
An individualized course of study in any discipline using materials from the classroom or those available in the Learning Center or Library. (Nontransferable, nondegree applicable)

JAPANESE

High School Foreign language courses may be used for the purpose of placement in college courses and may be counted toward meeting the foreign language requirement in various majors. These high school courses will be considered as college credit toward graduation.

Contact the Imperial Valley Counseling Center for further information. The last year course taken by a student in the high school language sequence must be used as a language requirement in college; not to exceed five units of foreign language college work. Students with high school language credit are strongly advised to see the instructor before enrolling.

JPN 1A (3) ELEMENTARY JAPANESE
3 Hrs. Lec. 1 Lab.
As introductory course to current Japanese, stressing the basic skills of listening comprehension, speaking, writing and reading. Emphasis is on the introduction to Japan's culture and civilization. Students must plan for one additional hour and one additional language laboratory by arrangement. (CSU) (UC credit limited. See a counselor.)

JPN 1B (3) ELEMENTARY JAPANESE
3 Hrs. Lec. 1 Lab.
Prerequisite: JPN 1A. A continuation of JPN 1A stressing the further development of the four basic skills: grammar, pronunciation, and cultural awareness. Students must plan for one additional hour of individual language laboratory by arrangement. (CSU) (UC credit limited. See a counselor.)

LEGAL ASSISTANT

LEGAL 21 (3) LEGAL RESEARCH
3 Hrs. Lec.
Introduction to legal research and writing. The course will provide a comprehensive understanding of and an understanding of legal materials and tools. The course covers the traditional and basic methods of legal research, sources of applicable statutory law and case law information including the use of Shepard’s Citator and 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)

LEGAL 22 (3) CIVIL PROCEDURES AND FAMILY LAW
3 Hrs. Lec.
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 Court 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, antenuptial agreements, Division of Community Property in Community and Non-Community Property States, and the Uniform Child custody Jurisdiction Act. (CSU)
LEGAL 24 (3) CORPORATIONS AND BANKRUPTCY
3 Hrs. Lab.
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, purpose of Sub-Chapter 25 Corporations, purpose of a Professional Corporation, legal process of 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 Bankruptcy Statutes, various chapters of the Bankruptcy Code, general forms of Bankruptcy relief, duties of the Bankruptcy Trustee in keeping with the various chapters. Also covered are the initiation, filing and technical aspects of voluntary bankruptcy, initiation and technical aspects of an involuntary bankruptcy under Chapter 7 and 11, executors, property, real estate transfers, fraudulent transfers, property transfers after bankruptcy, the effects of Bankruptcy on unsecured claims, executory contracts, obligations that are discharged, fraudulent transfers, Bankruptcy and Bankruptcy documentation. (CSU)

LEGAL 25 (3) REAL ESTATE LAW FOR LEGAL ASSISTANTS
3 Hrs. Lab.
Course consists of one module. It covers sources of Property Law, definition of terms in reference to Law, court actions that are available under Law, Equity, Federal and State Court Systems, definition of terms in reference to Property, Property Rights, components that are part of land, classification of different 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 of acquisition-titles to Real Property, types of Deeds, purpose and use of Escrows, duties and responsibilities of Escrow Agents, creation and types of Liens, Homesteads, purposes of Title Insurance, Discussion placed on land use, technical description of land, investment regulation affecting real property, Easements, Encroachments, Nuisances, and the technical aspects of leases. (CSU)

LEGAL 26 (3) WILLS, TRUSTS, PROBATE AND ESTATE ADMINISTRATION
3 Hrs. Lab.
Course covers definitions 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 practices of the Probate Court, the effect of property transactions on interstate succession, process for determining validity of wills, the application of probate, the effect of property transfers on wills authorized by Law, papers and other evidences that are components of a will, preparation and execution of a formal attested will, understanding the duties of a personal representative, settling an estate, procedures 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 procedures in probate, preparation and filing of tax returns, procedural requirements of formal accounting, role of Legal Assistant in the distribution of testate estates, nature and administration of trusts, guardianships, and conservatorships, and the professional responsibilities of a Probate Legal Assistant. (CSU)

LIBRARY TECHNICIAN
LIBRARY 51 (3) INTRODUCTION TO LIBRARY SERVICES
3 Hrs. Lab.
Recommended Preparation: Eligibility for Eng 2A and Eng 12A and completion of LIBR 51. This course will cover the range of information and reference services offered in libraries. Topics will include the reference interview, bibliographic control, organization of information, search strategies, electronic reference services, trends in reference, library instruction, staff training and development, evaluation of reference services, organization and management of reference and information services, various types of reference materials and a philosophy of service. (Nontransferable, AA/AS degree only)

LIBRARY 52 (3) LIBRARY TECHNICAL SERVICES
3 Hrs. Lab.
Recommended Preparation: Eligibility for Eng 2A and Eng 12A and completion of LIBR 51. This course will be an introduction to the various tasks in the technical services area of a library, including the acquisition and processing of new library materials, cataloging and classification of materials, and the impact of computers and networking on technical services. (Nontransferable, AA/AS degree only)

LIBRARY 53 (3) LIBRARY PUBLIC SERVICES
3 Hrs. Lab.
Recommended Preparation: Eligibility for Eng 2A and Eng 12A and completion of LIBR 51. This course will cover 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, interlibrary mail, special collections, serials services, government information, public relations, and security issues. (Nontransferable, AA/AS degree only)

LIBRARY 64 (3) INTRODUCTION TO MEDIA SERVICES
3 Hrs. Lab.
Recommended Preparation: Eligibility for Eng 2A and Eng 12A and completion of LIBR 51. This course will cover the provision and utilization of media services in a library environment. Topics will include the history and philosophy of media services, operation of various types of media equipment, scheduling, tracking, troubleshooting and the maintenance of media equipment. Acquisition of rental materials will also be covered. (Nontransferable, AA/AS degree only)

MATH 070 (3) BEGINNING ALGEBRA
3 Hrs. Lab.
Recommended Preparation: Appropriate placement recommendation or MATH 070 (formerly Math 50) with a grade of "C" or higher. A one-semester course which covers the material generally included in a first year high school algebra course. (Nontransferable, AA/AS degree only) (MATH 070 Formerly MATH 51)

MATH 080 (3) BEGINNING ALGEBRA 2
3 Hrs. Lab.
Recommended Preparation: MATH 070 (formerly Math 50) with a grade of "C" or higher and basic knowledge of computer usage. This is the same content as MATH 080 (formerly Math X) offered in a self-paced format. The student will have two consecutive semesters to complete the course. This course is intended specifically for self-directed student learning. (Nontransferable, nondegree applicable) (MATH 070 Formerly MATH 51)

MATH 080S (3) BEGINNING ALGEBRA 2
3 Hrs. Lab.
Recommended Preparation: MATH 070 (formerly Math 50) with a grade of "C" or higher and basic knowledge of computer usage. This is the same content as MATH 080 (formerly Math X) offered in a self-paced format. The student will have two consecutive semesters to complete the course. This course is intended specifically for self-directed student learning. (Nontransferable, AA/AS degree only) (MATH 070 Formerly MATH 51)

MATH 090 (3) INTERMEDIATE ALGEBRA
3 Hrs. Lab.
Prerequisite: "Appropriate placement preparation or MATH 080 (formerly Math X) with a grade of "C" or higher. This one-semester course is equivalent to a second year algebra course offered full year in high school. Topics covered include the real number system, polynomials, exponents, rational expressions, linear and quadratic equations, relations, functions and graphs, systems of equations and inequalities, logarithmic and exponential functions, and sequences and series. (Nontransferable, AA/AS degree only) (MATH 090 Formerly MATH A)

MATH 090S (3) INTERMEDIATE ALGEBRA
3 Hrs. Lab.
Prerequisite: "Appropriate placement preparation or MATH 080 (formerly Math X) with a grade of "C" or higher and basic knowledge of computer usage. This is the same content as MATH 090 (formerly Math A) offered in a self-paced format. The student will have two consecutive semesters to complete the course. This course is intended specifically for self-directed student learning. (Nontransferable, AA/AS degree only)

MATH 110 (3) PRIMARY MATH
3 Hrs. Lab.
Recommended Preparation: MATH 070 (formerly Math 50) with a grade of "C" or higher. A one-semester course which covers the material generally included in a first year high school algebra course. (Nontransferable, AA/AS degree only) (MATH 070 Formerly MATH 51)

MATH 120 (3) PRECALCULUS
3 Hrs. Lab.
Recommended Preparation: MATH 090 (formerly Math A) with a grade of "C" or higher and basic knowledge of computer usage. This is the same content as MATH 120 (formerly Math B) offered in a self-paced format. The student will have two consecutive semesters to complete the course. This course is intended specifically for self-directed student learning. (Nontransferable, nondegree applicable) (MATH 070 Formerly MATH 51)
MATH 110 (3) (CAN MATH 6) NUMBER SYSTEMS IN ELEMENTARY MATHEMATICS 3 Hrs. Loc.
Prerequisite: *MATH 090 (formerly MATH A) 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 including whole, rational and real numbers, number theory, ratio and proportion. (CSU) (UC credit limited. See a counselor.) (MATH 110 - Formerly MATH 10A)

MATH 112 (3) GEOMETRY IN ELEMENTARY MATHEMATICS 3 Hrs. Loc.
Prerequisite: *MATH 090 (formerly MATH A) with a grade of "C" or better. Recommended for students who are working towards a teaching credential in elementary education. Topics discussed are decimals and percents. Other topics covered may include: logic, graph theory, and teaching students who have attained the performance skill competencies required in Beginning Group Piano. (CSU, UC)

MATH 120 (3) (CAN STAT 2) INTRODUCTORY STATISTICS WITH APPLICATIONS 3 Hrs. Loc.
Prerequisite: *MATH 090 (formerly MATH A) with a grade of "C" or better. Recommended Preparation: ENGL 1A or ENGL 11. Graphical representation of statistical data; calculation and use of various averages; measures of variability; introduction to probability, probability distributions, confidence intervals, sample size determination and hypothesis testing. (CSU, UC) (MATH 120 - Formerly MATH 12)

MATH 122 (4) INTERMEDIATE HARMONY 3 Hrs. Loc.
Prerequisite: MATH 12A (formerly MATH IA) with a grade of "C" or better. A continuation of Mus 9C . The student receives guidance in the performance and appreciation of six-humorous, six-four chords. (CSU, UC)

MATH 140 (3) (CAN MATH 16) ALGEBRA AND TRIGONOMETRY 3 Hrs. Loc.
Prerequisite: *MATH 090 (formerly MATH A) or equivalent with a grade of "C" or better. This course is 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.) (MATH 140 - Formerly MATH 47)

MATH 150 (3) (CAN MATH 15) ALGEBRA AND TRIGONOMETRY 3 Hrs. Loc.
Prerequisite: *MATH 090 (formerly MATH A) or equivalent with a grade of "C" or better. This course is 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.) (MATH 150 - Formerly MATH 47)

MATH 160 (3) (CAN MATH 16) ALGEBRA AND TRIGONOMETRY 3 Hrs. Loc.
Prerequisite: *MATH 090 (formerly MATH A) or equivalent with a grade of "C" or better. This course is 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.) (MATH 160 - Formerly MATH 47)

MATH 170 (3) (CAN MATH 17) ALGEBRA AND TRIGONOMETRY 3 Hrs. Loc.
Prerequisite: *MATH 090 (formerly MATH A) or equivalent with a grade of "C" or better. This course is 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.) (MATH 170 - Formerly MATH 47)

MATH 180 (3) (CAN MATH 18) CALCULUS I 3 Hrs. Loc.
Prerequisite: *MATH 190 (formerly MATH 2) with a grade of "C" or better. 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.) (MATH 180 - Formerly MATH 3A)

MATH 190 (3) (CAN MATH 19) CALCULUS II 3 Hrs. Loc.
Prerequisite: *MATH 190 (formerly MATH 2) with a grade of "C" or better. Concepts dealing with integration applications, methods of integration, infinite series, plane analytic geometry, parametric equations, polar coordinates, and differential equations. (CSU, UC) (MATH 190 - Formerly MATH 3B)

MATH 210 (5) (CAN MATH 22) CALCULUS III 3 Hrs. Loc.
Prerequisite: *MATH 190 (formerly MATH 3B) with a grade of "C" or better. Concepts dealing with partial differentiation, multiple integration, vectors and vector analysis. (CSU, UC) (MATH 210 - Formerly MATH 4)

MATH 220 (3) (CAN MATH 23) ELEMENTARY DIFFERENTIAL EQUATIONS 3 Hrs. Loc.
Prerequisite: *MATH 190 (formerly MATH 3B) 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) (MATH 220 - Formerly MATH 5)

MATH 230 (3) (CAN MATH 24) INTRODUCTION TO LINEAR ALGEBRA WITH APPLICATIONS 3 Hrs. Loc.
Prerequisite: *MATH 190 (formerly MATH 3B) 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) (MATH 230 - Formerly MATH 6)

MUS 7 (3) INTRODUCTION TO MUSIC FOUNDATIONS 3 Hrs. Loc.
An introduction to basic concepts of music. The development of the skills and knowledge needed to read real music, to hear music, and to use some instrument (including the voice) with skill. (CSU) (UC credit limited. See a counselor.)

MUS 8A (2) BEGINNING MUSICIANSHIP 2 Hrs. Loc.
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 8B (2) BEGINNING MUSICIANSHIP 2 Hrs. Loc.
Continuation of Mus 8A. (CSU, UC)

MUS 8C (2) INTERMEDIATE MUSICIANSHIP 2 Hrs. Loc.
A continuation of Mus 8A and BB to increase skills in sight-singing, ear-training, and keyboard harmony. (CSU, UC)

MUS 8D (2) INTERMEDIATE MUSICIANSHIP 2 Hrs. Loc.
A continuation of Mus 8C. (CSU, UC)

MUS 9A (3) BEGINNING HARMONY 3 Hrs. Loc.
Sight-singing, dictation and keyboard harmony. Traditional harmonic vocabulary. Voice-writing, analysis. (CSU, UC)

MUS 9B (3) BEGINNING HARMONY 3 Hrs. Loc.
A continuation of Mus 9A. (CSU, UC)

MUS 9C (2) INTERMEDIATE HARMONY 2 Hrs. Loc.
A continuation of Mus 9A. (CSU, UC)

MUS 9D (3) INTERMEDIATE HARMONY 3 Hrs. Loc.
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 10A (1) BEGINNING GROUP PIANO I 1 Hr. Loc. 2 Hrs. Lab.
A beginning course for students who have had some keyboard experience and who wish to learn the fundamentals of Fortran Programming Language as adapted to a variety of different applications. (CSU, UC) (MATH 130 - Formerly MATH 67)

MUS 10B (1) BEGINNING GROUP PIANO II 1 Hr. Loc. 2 Hrs. Lab.
A continuation of Mus 10A. (CSU, UC)

MUS 11A (1) INTERMEDIATE GROUP PIANO I 1 Hr. Loc. 2 Hrs. Lab.
A course structured for those students who have attained the performance skill competencies required in Beginning Group Piano. (CSU, UC)

MUS 11B (1) INTERMEDIATE GROUP PIANO II 1 Hr. Loc. 2 Hrs. Lab.
A continuation of Mus 11A. (CSU, UC)

MUS 12 (1) BEGINNING CLASS GUITAR 1 Hr. Loc. 2 Hrs. Lab.
A basic course on how to accompany with the guitar. Stress will be placed on tuning, chords, and various altered chords. (CSU, UC)

MUS 13 (1) INTERMEDIATE CLASS GUITAR 1 Hr. Loc. 2 Hrs. Lab.
A continuation of Mus 12 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 15A (1) BEGINNING CLASS VOICE 1 Hr. Loc. 2 Hrs. Lab.
The student receives guidance in the performance and appreciation of the various types of folk songs while acquiring the facilities for good vocal technique. Principles are applied through group and individual singing. (CSU, UC)

MUS 15B (1) BEGINNING CLASS VOICE 1 Hr. Loc. 2 Hrs. Lab.
A continuation of Mus 15A. (CSU, UC)

MUS 16 (1) INTERMEDIATE CLASS VOICE 1 Hr. Loc. 2 Hrs. Lab.
A continuation of Mus 15B. (CSU, UC)

MUS 17ABCD (1-1-1-1) CHAMBER SINGERS 2 Hrs. Loc. 1 Hr. 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. (CSU, UC)

MUS 18ABCD (1-1-1-1) CHAMBER ORCHESTRA 2 Hrs. Loc. 1 Hr. Lab.
A study and performance of literature for a small orchestra. Performances in local communities and on campus are required.
MUS 2A (3)  HISTORY AND LITERATURE OF MUSIC  3 Hrs. Lect.
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 2B (3)  HISTORY AND LITERATURE OF MUSIC  3 Hrs. Lect.
A continuation of MUS 2A. (CSU, UC)

MUS 21ABCD (1-1-1-1)  BRASS, WOODWIND AND PERCUSSION METHODS  2 Hrs. Lect. 1 Hr. 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. (CSU, UC)

MUS 26ABCD (1-1-1-1)  REHEARSAL AND PERFORMANCE  3 Hrs. Lab.
Enrollment contingent upon participation in campus major musical production. Maximum credits, 1 unit per semester for four semesters. Hours to be arranged. (CSU, UC)

MUS 27ABCD (1-1-1-1)  CONCERT BAND  2 Hrs. Lect. 1 Hr. 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. (CSU, UC)

MUS 28ABCD (1-1-1-1)  COLLEGE-COMMUNITY CHORUS  2 Hrs. Lect. 1 Hr. 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. (CSU, UC)

MUS 29ABCD (3-1-1-1)  STUDENTUNTA  2 Hrs. Loc. 1 Hr. Lab.
Open to all students, particularly those of Mexican background and culture, who wish to perform music stemming from the tradition of "ưng" developed during the Renaissance in Spain's large and influential universities. For singers and/or instrumentalists playing accordin, castanets, guitar, mandolin, string bass, ukelele. (CSU, UC)

MUS 30 (3)  INTRODUCTION TO MUSIC LITERATURE AND LISTENING  3 Hrs. Lect.
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 31 (3)  INTRODUCTION TO TWENTIETH-CENTURY MUSIC  3 Hrs. Lect.
An introduction to contemporary music. Study includes twentieth-century art music, contemporary jazz, and popular music with emphasis on the social and artistic factors that influence the development of each. (CSU, UC)

MUS 32ABCD (1-1-1-1)  APPLIED MUSIC  1 Hr. Loc. 3 Hr. Lab. to be arranged
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 second 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 as scheduled and turns in weekly lesson attendance form. (CSU, UC)

MUS 33ABCD (1-1-1-1)  SYMPHONY ORCHESTRA  2 Hrs. Loc. 1 Hr. 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. (CSU, UC)

MUS 34ABCD (1-1-1-1)  Pep Band  4 Hrs. Lab.
This course will provide music students with an understanding of the ways music fills symbolic and ceremonial needs of society together with procedures and processes appropriate to maintaining music organizations focused upon meeting those needs. (CSU, UC)

MUS 61ABCD (3-1-1-1)  COLLEGE-COMMUNITY BAND  2 Hrs. Loc. 1 Hr. 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 performance experiences needed by community adults, music educators, and advanced high school students. (CSU, UC)

INTRODUCTION TO MUSIC THEORY AS A MEANS OF LEARNING TO READ MUSIC RATHER THAN LEARNING BY ROTE. (CSU, UC)

MUS 2B (3)  HISTORY AND LITERATURE OF MUSIC  3 Hrs. Lect.
A continuation of MUS 2A. (CSU, UC)

MUS 21ABCD (1-1-1-1)  BRASS, WOODWIND AND PERCUSSION METHODS  2 Hrs. Lect. 1 Hr. 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. (CSU, UC)

MUS 26ABCD (1-1-1-1)  REHEARSAL AND PERFORMANCE  3 Hrs. Lab.
Enrollment contingent upon participation in campus major musical production. Maximum credits, 1 unit per semester for four semesters. Hours to be arranged. (CSU, UC)

MUS 27ABCD (1-1-1-1)  CONCERT BAND  2 Hrs. Lect. 1 Hr. 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. (CSU, UC)

MUS 28ABCD (1-1-1-1)  COLLEGE-COMMUNITY CHORUS  2 Hrs. Lect. 1 Hr. 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. (CSU, UC)

MUS 29ABCD (3-1-1-1)  STUDENTUNTA  2 Hrs. Loc. 1 Hr. Lab.
Open to all students, particularly those of Mexican background and culture, who wish to perform music stemming from the tradition of "ưng" developed during the Renaissance in Spain's large and influential universities. For singers and/or instrumentalists playing accordin, castanets, guitar, mandolin, string bass, ukelele. (CSU, UC)

MUS 30 (3)  INTRODUCTION TO MUSIC LITERATURE AND LISTENING  3 Hrs. Lect.
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 31 (3)  INTRODUCTION TO TWENTIETH-CENTURY MUSIC  3 Hrs. Lect.
An introduction to contemporary music. Study includes twentieth-century art music, contemporary jazz, and popular music with emphasis on the social and artistic factors that influence the development of each. (CSU, UC)

MUS 32ABCD (1-1-1-1)  APPLIED MUSIC  1 Hr. Loc. 3 Hr. Lab. to be arranged
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 second 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 as scheduled and turns in weekly lesson attendance form. (CSU, UC)

MUS 33ABCD (1-1-1-1)  SYMPHONY ORCHESTRA  2 Hrs. Loc. 1 Hr. 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. (CSU, UC)

MUS 34ABCD (1-1-1-1)  Pep Band  4 Hrs. Lab.
This course will provide music students with an understanding of the ways music fills symbolic and ceremonial needs of society together with procedures and processes appropriate to maintaining music organizations focused upon meeting those needs. (CSU, UC)

MUS 61ABCD (3-1-1-1)  COLLEGE-COMMUNITY BAND  2 Hrs. Loc. 1 Hr. 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 performance experiences needed by community adults, music educators, and advanced high school students. (CSU, UC)
4. Apply for admission to the Nursing Program.

3. Completion of ENGL approximately

2. Students who complete the Vocational Nurse requirements, including prerequisites and general education courses, will be granted a Certificate of Completion from the college. Students who complete the total program, including prerequisites and general education courses, will be granted an Associate in Science degree in Nursing from the college.

The Imperial Valley College Nursing Program is fully accredited by the California Board of Registered Nursing and the Board of Vocational Nurse and Psychiatric Technician Examiners.

Admission to the Program

All students who have completed the academic prerequisites with a grade of "C" or better and are in good health are eligible for admission. Application requirements for beginning students are as follows:

1. Graduation from an accredited high school or the equivalent.

2. Completion of ENGL 1A.

3. Completion of a minimum GPA of 2.0 in all prerequisite course work.

4. Students are responsible for prerequisite requirements for general education courses. Transcripts to class and to clinical laboratory is the responsibility of the student.

Application Procedure

1. Apply for admission to the college.

2. Take the college placement tests in Math and English.

3. Submit two transcripts from high school or previous course work including IVC. Send one copy to the college admission office and one to the nursing office.

4. Apply for admission to the Nursing Program.

Students will be admitted to the program each semester. Applications will be accepted until March 1 prior to Fall admission and until August 1 for Spring admission. All students will be notified by mail approximately six weeks later.

Progression Policies

1. The required nursing and general education courses outlined on pages 132 and 133 of this catalog must be taken in the sequence listed. Students may take some or all general education courses before entering the program but may not complete them later than the semester indicated on those pages of the catalog. The Nursing Department's English and Math requirements must be completed prior to graduation.

2. A grade point average of 2.0 must be maintained in every course required by the nursing curriculum. A student who makes a grade lower than a 2.0 in any course required by the nursing program must repeat the course.

3. Required courses in Microbiology and Anatomy/Physiology taken more than five years previous to enrollment must be repeated. Other courses are evaluated on an individual basis.

4. Nursing courses may be repeated one time. If a student is unsuccessful a second time, he/she must reapply to the program.

All Nursing (NURS) classes except NURS 2C & NURS 2C are nine-week classes. NURS 2C & NURS 3C are semester classes. In addition, students are expected to schedule skills laboratories practice time.

NURS 1A (R) (4)

PREREQUISITES: NURS 1B (V), NURS 1B (R), or permission of the instructor. Communication skills are presented in this course. Basic psychological and physiological concepts related to stress that cause disturbances in the individual's ability to adapt to stress are presented in the classroom. Concurrently in clinical sessions, the student relates learned skills and theory to the care of patients with well-defined commonly occurring illnesses in the hospital setting.

NURS 1B (R) (4)

PREREQUISITES: NURS 1A(V), NURS 1B(V), or permission of the instructor. Communication skills are presented in this course. Basic psychological and physiological concepts related to stress that cause disturbances 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 patients with well-defined commonly occurring illnesses in the hospital setting.

Applications for the Program

The Imperial Valley College Nursing Program is fully accredited by the California Board of Registered Nursing and the Board of Vocational Nurse and Psychiatric Technician Examiners.

Admission to the Program

All students who have completed the academic prerequisites with a grade of "C" or better and are in good health are eligible for admission. Application requirements for beginning students are as follows:

1. Graduation from an accredited high school or the equivalent.

2. Completion of ENGL 1A.

3. A minimum GPA of 2.0 in all prerequisite course work.

4. Students are responsible for prerequisite requirements for general education courses. Transcripts to class and to clinical laboratory is the responsibility of the student.

Application Procedure

1. Apply for admission to the college.

2. Take the college placement tests in Math and English.

3. Submit two transcripts from high school and previous course work including IVC. Send one copy to the college admission office and one to the nursing office.

4. Apply for admission to the Nursing Program.

Students will be admitted to the program each semester. Applications will be accepted until March 1 prior to Fall admission and until August 1 for Spring admission. All students will be notified by mail approximately six weeks later.

Progression Policies

1. The required nursing and general education courses outlined on pages 132 and 133 of this catalog must be taken in the sequence listed. Students may take some or all general education courses
increasing complexity to the caring of individuals throughout the lifespan. The pathophysiology, treatment, and nursing management of common disorders involving the neurological, integumentary, gastrointestinal and renal systems are studied in a progressive sequence across the lifespan. Principles of growth and development are reinforced. The nursing process is utilized by the student to identify the problems and nursing interventions needed for selected patients in the clinical setting. (CSU)

NURS 3B (V) (6.5) COMMON HEALTH PROBLEMS III 2.5 Hrs. Lab. 12 Hrs. Lab. Prerequisite: NS 3A (V), or permission of the instructor. The final nursing course designed to provide a progressive and sequential study of common, well-defined health problems is presented in Nursing 3B. The concepts from previous courses are applied with increasing complexity to the caring of individuals throughout the lifespan. The patho-physiology, 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)

NURS 3C (R) (2.5) PATIENT CARE MANAGEMENT AND CRITICAL THINKING 2.5 Hr. Lab. Prerequisite: Admissions to the nursing program or permission of the instructor. To be taken concurrent with NURS 1A (R). An overview of the leadership management process as it relates to management of patient care is presented. Clinical application is integrated into NURS 3A (R), NURS 3B (R) and all subsequent nursing courses. (CSU)

NURS 3C (V) (2.5) PATIENT CARE MANAGEMENT AND CRITICAL THINKING 2.5 Hr. Lab. Prerequisite: Admissions to the nursing program or permission of the instructor. To be taken concurrent with NURS 1A (V). An overview of the leadership management process as it relates to management of patient care is presented. Clinical application is integrated into NURS 3A (V), NURS 3B (V) and all subsequent nursing courses. (CSU)

NURS 4A (R) (3.5) COMMON HEALTH PROBLEMS IV 2 Hrs. Lab. 4.5 Hrs. Lab. Prerequisite: NURS 4B (R), NURS 4C (R) or permission of the instructor. The curriculum is presented in concurrent classroom and clinical settings. Cultural and social attitudes toward behavior which deviates from accepted norms is discussed. (CSU)

NURS 4B (R) (3.5) ADVANCED NURSING 2 Hrs. Lab. 10.5 Hrs. Lab. Prerequisite: NURS 3B (R) or permission of the instructor. In-depth study of increasing complexity of mental health problems is presented. The nursing process is used to plan and implement nursing care for a group of patients. Concurrent clinical experience in geriatric and advanced medical-surgical nursing is arranged. (CSU)

NURS 4C (R) (1) NURSING TRENDS 1 Hr. Lab. Prerequisite: NURS 3A (R), NURS 3B (R) or permission of the instructor. Current issues affecting nursing are discussed. Legislation, health care delivery system, and legal and ethical aspcts of health care are integrated into the clinical component of NURS 4B and NURS 4C. Upon successful completion of NURS 4B and NURS 4C, the student is eligible to write the examination for Registered Nurse. (CSU)

NURS 5 (1-3) NURSING - TRANSITION COURSE 1-3 Hrs. Lab. Prerequisite: Completion of advanced placement requirements or permission of the instructor. This course is designed to prepare the advanced placement student to enter the appropriate level of the Associate Degree Nursing program. Students may take variable units from one to three, according to their placement status. Content includes the nursing process, fluids and electrolytes, pharmacology, maternity nursing and nursing interventions for selected health conditions. (CSU)

NURS 6 (1) NURSING - TRANSITION COURSE 1 Hr. Lab. Prerequisite: Completion of advanced placement requirements and admission to the Nursing Program. This course is designed to prepare the health assistant to obtain advanced placement into the vocational nursing program. The course content includes the nursing process and nursing care plans. A skills laboratory component is included. (Nontransferable, AA/AS degree only)

NURSING CONTINUING EDUCATION Registered Nursing Prospective students are advised to check with the college previous to each semester concerning continuing education courses to be offered. New courses are offered periodically as community health agencies and health personnel needs are identified. An enrollment fee will be charged. All courses have been approved by the California Board of Vocational Nurse and Psychiatric Technician Examiners, BUNPT Provider No. 00294, and meet the requirements for relicensure.

VN 37 (1) BASIC ARRHYTHMIA RECOGNITION 1 Hr. 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/CU nurse or nursing assistant, beginning cardiovascular technicians, the med/surg nurse who cares for the patient in telemetry, or for inactive nurses who wish to update their know-ledge and maintain their competency. (Same as HA/RN 37) (CSU)

VN 40 (2) INTRAVENOUS THERAPY TECHNIQUE 2 Hrs. Lab. Prerequisite: Permission of the instructor. A course of instruction in intravenous therapy which includes fluid solutions of electrolytes, nutrients, vitamins, blood and blood products. (Same as RN 40) (CSU)

Graduates of Hospital Diploma Schools of Nursing The A.S. Degree will be awarded to graduates of hospital diploma schools of nursing who meet all of the following criteria and complete the following program:

Criteria
1. Graduate of a state-accredited hospital school of nursing which had a curriculum covering the five basic areas of nursing (medicine, surgery, obstetrics, pediatrics, psychiatry).
2. Present California Registered Nurse Licensure.
3. Present enrollment at Imperial Valley College.
PHIL 1A (3) INTRODUCTION TO PHILOSOPHY
3 Hrs. Lec.
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)

PHIL 1B (3) INTRODUCTION TO PHILOSOPHY
3 Hrs. Lec.
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 1B may be taken before PHIL 1A. (CSU, UC)

PHIL 10 (3) LOGIC
3 Hrs. Lec.
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)

PHIL 11 (3) ETHICS
3 Hrs. Lec.
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)

PHIL 25 (3) RELIGIONS OF THE MODERN WORLD
3 Hrs. Lec.
An introduction to the various contemporary religions of the world with an emphasis on their historical development. Study of basic beliefs of such religions as Hinduism, Buddhism, Taoism, Zen. (CSU, UC)

PHOTOGRAPHY
PHOT 1AB (3) PHOTOGRAPHY
2 Hrs. Lec., 2 Hrs. Lab. TBA
The basic theory, techniques, and skills of photography. An in-depth study of the camera, black and white film processing, printing, lighting, darkroom processes, and exhibition. Emphasis is placed on control of universally used processes, tools and materials with self-determination in choice of subject matter. (For the assignments the students will provide an adjustable camera, film, paper and basic processing equipment.) (CSU)

PHYSICAL EDUCATION
Each student is required by district policy to schedule one activity course each semester. Prerequisite: BE 23 in order to meet IV/graduation requirements. A student may take A-D-C sections of the same course, but not in the same semester.

PE (1) PHYSICAL EDUCATION ACTIVITY - MILITARY SERVICE
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 their 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, the student may be dropped as a No-Show and will not receive credit. PE 1 does not count for units toward VA, Financial Aid, or full-time student status. These are not contact hours. May receive credit once only. (CSU) (UC credit limited. See a counselor.)

PE 2ABC(1) GENERAL PHYSICAL EDUCATION PROGRAM - WOMEN
2 Hrs. Lab.
This course is designed to emphasize the basic fundamentals, skills, and rules of the game of women's softball. (CSU) (UC credit limited. See a counselor.)
PE 18ABCD (1-1-1-1) PHYSICAL FITNESS, COED
2 Hrs. 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. (CSU) (UC credit limited. See a counselor.)

PE 18ABCD (1-1-1-1) GOLF, COED
2 Hrs. Lab.
Offers training in the fundamentals of strokes with irons, woods, and putters; includes rules and etiquette of the game. Actual participation upon a golf course and the necessity of using time are emphasized. (CSU) (UC credit limited. See a counselor.)

PE 18ABCD (1-1-1-1) ADVANCED GOLF, COED
2 Hrs. Lab.
Recommended Preparation: PE 18AD. Advanced training in strokes with irons, woods, and putters; includes rules of the game and emphasis on strategies and tournament play. (CSU) (UC credit limited. See a counselor.)

PE 2ABCD (1-1-1-1) SOFTBALL, COED
2 Hrs. Lab.
This course is designed to emphasize the fundamentals, knowledge of rules, coaching techniques, and basic knowledge of the game of softball. (CSU) (UC credit limited. See a counselor.)

PE 2ABCD (2-2-2-2) ADVANCED SPORTS ACTIVITY, COED
1 Hr. Lab. 2 Hrs. 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 environments. A minimum of fifteen hours per semester for each student is required in outside activities such as community sports and recreational programs. (CSU) (UC credit limited. See a counselor.)

PE 2ABCD (1-1-1-1) RACQUETBALL AND HANDBALL, COED
2 Hrs. Lab.
Instruction and development of the handball skills. Presentation of singles and doubles play, including basic shots and strategy. (CSU) (UC credit limited. See a counselor.)

PE 2ABCD (1-1-1-1) BASKETBALL FOR WOMEN
2 Hrs. Lab.
Designed for women students interested in basketball. To offer basic and advanced fundamentals, team play, and strategy. (CSU) (UC credit limited. See a counselor.)

PE 2ABCD (1-1-1-1) BASKETBALL FOR MEN
2 Hrs. Lab.
An introduction to the fundamental skills and strategy of the game. Rules and competition classes are included in the course. (CSU) (UC credit limited. See a counselor.)

PE 35 (D) LIFETIME EXERCISE SCIENCE
1 Hr. Lab. 2 Hrs. 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)

PE 26ABCD (1-1-1-1) MODERN DANCE, COED
2 Hrs. Lab.
Participation and instruction in rhythmic fundamentals, factors related to movement, movement fundamentals and dance skills, creative activity, and evaluation. Designed to develop the student's ability to use expressive body movements in a creative art form. More complex individual dance sketches and small group dance studies. (CSU) (UC)

PE 27ABCD (1-1-1-1) STEP AEROBICS, COED
2 Hrs. Lab.
Step aerobics involves stepping up and down from a 4 to 12 inch bench, while performing various upper body movements to the accompaniment of music. This course is a simple introduction to basic steps, leading to complex patterns of step choreography. Offers cardiovascular conditioning and strength training. (CSU) (UC credit limited. See a counselor.)

PE 28ABCD (2-2-2-2) DANCE THEATER, COED
3 Hrs. Lab. 1 Hr. by arrangement
A performance group presenting多种形式 of dance and related theatre arts. A minimum of five outside performances required each semester. Meets physical education activity requirement. (CSU) (UC)

PE 29ABCD (1-1-1-1) JAZZ DANCE, COED
2 Hrs. Lab.
A study of syncopated movement. (CSU) (UC)

PE 30ABCD (2-2-2-2) SONG AND CHEER
4 Hrs. Lab.
Practice and performance class for songleaders and cheerleaders. Satisfies physical education activity class requirement. (CSU) (UC)

PE 32ABCD (2-2-2-2) INTERCOLLEGiate BASKETBALL AND P.E.
10 Hrs. Lab.
Eligibility will be determined by Conference rules; IVC guidelines in the AS Handbook for athletics will also apply. (CSU) (UC credit limited. See a counselor.)

PE 34AB (2-2) INTERCOLLEGiate BASEBALL AND P.E.
10 Hrs. 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. (CSU) (UC credit limited. See a counselor.)

PE 35ABCD (1-1-1-1) SELF-DEFENSE
2 Hrs. Lab.
A study of the art of self-defense through boxing, wrestling and elements of martial arts as it relates to self-defense. (CSU) (UC credit limited. See a counselor.)

PE 45ABCD (1-1-1-1) INDIVIDUAL SPORTS FOR THE PHYSICALLY DISABLED
2 Hrs. Lab.
This course is designed to promote individual skill development for the physically disabled student. (CSU) (UC credit limited. See a counselor.)

PE 46ABCD (1-1-1-1) GROUP SPORTS FOR THE PHYSICALLY DISABLED
2 Hrs. Lab.
This course is designed to broaden the physically disabled student's awareness of group activities and develop a willingness to participate. (CSU) (UC credit limited. See a counselor.)

PE 50 (Z) INTRODUCTION TO PHYSICAL EDUCATION
2 Hrs. Lab.
Principles and organization of physical education and areas of specialization within the field. (CSU)

PE 51 (Z) STRUCTURING INTRAMURALS
1 Hr. Lab. 2 Hrs. Lab.
Recommended Preparation: Basic knowledge and/or experience in competitive sports and recreational games. The course is designed to provide students with experience in structuring various types of sports and recreation tournaments through assistance in the IVC Intramural program. (CSU)

PE 52AB (2-2) THEORY OF BASEBALL
2 Hrs. Lab.
A history of the game, knowledge of rules, current and possible future trends in the game, coaching techniques, and scouting. Recommended for physical education majors, potential coaches, and recreation majors. (CSU) (UC credit limited. See a counselor.)

PE 53AB (2-2) THEORY OF BASKETBALL, COED
2 Hrs. Lab.
This course is designed for physical education majors, recreation majors, and potential coaches. History of the game, rules, coaching techniques and theories, history, rules, and current and possible future trends in the game will be offered. (CSU) (UC credit limited. See a counselor.)

PE 54AB (2-2) THEORY OF VOLLEYBALL
2 Hrs. 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. (CSU) (UC credit limited. See a counselor.)
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PE 55AB (2) THEORY OF SOFTBALL
2 Hrs. Lab.
This course is recommended for physical education majors, recreation majors, and potential coaches. History of the game, rules, coaching techniques, practice organization, strategies and techniques, and possible future trends in softball will be offered. (CSU, UC credit limited. See a counselor.)

PE 56 (2) INTRODUCTION TO ATHLETIC TRAINING
2 Hrs. Lab.
Introductory course in recognition, assessment, management, care and prevention of injuries in athletic activities. Includes techniques of applying supportive materials, rehabilitation of injuries, and use of therapeutic modalities. (CSU, UC)

PE 58 (2) PSYCHOLOGY OF COACHING
2 Hrs. Lab.
A course covering all the aspects of the psychology of coaching sports. Includes certain guidelines to show how teaching and learning may be applied to the coaching of sports, and to bring out the relationship of meaningful learning to successful athletic coaching. (CSU)

PE 61 (3) PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL
3 Hrs. Lab.
This course is designed to prepare the elementary school teacher to teach physical activities to children under physical education. (CSU, UC)

PE 62AB (3-3) PHYSICAL EDUCATION FOR SPECIAL OLYMPICS
2 Hrs. Lab. 2 Hrs. Lab. plus 2 Hrs. Lab. to be arranged
A course designed to give school students with disabilities and prepare retarded persons for competition in Special Olympics. (CSU, UC credit limited. See a counselor.)

PE 63 (1) THE HISTORY AND APPRECIATION OF DANCE
3 Hrs. Lab.
Fundamentals of dance in western civilization. Dance as art, therapy, ritual and social discourse. Analysis of dance in film, video, and live performance. Appreciation for artistic intent, technique and style. (Same as HUM 211) (CSU, UC)

PHYSICS

PHYS 4A (5) (CAN PHYS 8)
GENERAL PHYSICS
4 Hrs. Lab. 3 Hrs. Lab.
Prerequisites: *Credit with a grade of "C" or better or concurrent enrollment in MATH 192 (formerly MATH 3A). This course is designed to give an understanding of the fundamental principles of physics in the area of mechanics. (CSU, UC)

PHYS 4B (5) (CAN PHYS 12)
GENERAL PHYSICS
4 Hrs. Lab. 3 Hrs. Lab.
Prerequisites: PHYS 4A or equivalent with a grade of "C" or better and MATH 194 (formerly MATH 3B) with a grade of "C" or better or concurrent enrollment in MATH 194 (formerly MATH 3B). This course is designed to give an understanding of the fundamental principles of physics in the area of electricity, magnetism, atomic, and nuclear physics. (CSU, UC)

PHYS 4C (5) (CAN PHYS 14)
GENERAL PHYSICS
4 Hrs. Lab. 3 Hrs. Lab.
Prerequisites: *PHYS 4A with a grade of "C" or better and MATH 194 (formerly MATH 3B) with a grade of "C" or better or concurrent enrollment in MATH 194 (formerly MATH 3B). 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)

PHYS 10 (4) (CAN PHYS 2)
INTRODUCTION TO PHYSICS FOR HEALTH PROFESSIONS
3 Hrs. Lab. 1 Hr. Lab.
Elementary mechanics, fluids, sound, electricity, and optics. For students requiring physics for health professions. Does not apply toward a major in science or physical science. (CSU, UC)

PHYSIOLOGY

PHYSIO 1 (4) (CAN BIOL 12)
HUMAN PHYSIOLOGY
2 Hrs. Lab. 6 Hrs. Lab.
Prerequisites: *CHEM 2A and BIOL 3 or equivalent with a grade of "C" or better or a current California LVN license. Lecture and laboratory 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)

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PIPEFITTING

The following course has been developed as a part of a four-year apprenticeship program. Additional courses are in the process of being prepared. Applications should be directed to San Diego County Pipeline Joint Apprenticeship Committee, 3901 Center Street, San Diego, CA. For additional information contact the Dean of Instruction for Applied Sciences.

PIPE 38 (2) TIG WELDING
1.5 Hrs. Lab. 1.5 Hrs. Lab.
This course is designed to provide the apprentice with a working knowledge of the welding process known as TIG. (Nontransferable, nondegree applicable)

PLUMBING

The following courses have been developed as a part of a four-year apprenticeship program. Additional courses are in the process of being prepared. Applications should be directed to San Diego County Plumbing Joint Apprenticeship Committee, 3900 Center Street, San Diego, CA. For additional information contact the Dean of Instruction for Applied Sciences.

PLUM 10 (3) PIPE TRADES ORGANIZATION
3 Hrs. Lab.
This course will provide an introduction to industry and is designed to provide the apprentice with a working knowledge of the use and care of tools and piping materials. (Nontransferable, nondegree applicable)

POLITICAL SCIENCE

POL 51 (3) INTRODUCTION TO POLITICAL SCIENCE
3 Hrs. Lab.
As an introduction to the theories, principles, and problems of modern political life and the methods of studying and acquiring political knowledge. (Previously required to be taught as MATH 19.) (CSU, UC)

POL 52 (2) AMERICAN GOVERNMENT AND POLITICS
3 Hrs. Lab.
The origins, development and operation of local, state and national political institutions within the United States emphasizing the contemporary functions of the American political system. This course and either POL 5 or HIST 17A will meet graduation requirements in American Institutions. (CSU, UC)

POL 53 (3) COMPARATIVE POLITICS
3 Hrs. Lab.
The origins, development and operation of local, state and national political institutions within the United States emphasizing the contemporary functions of the American political system. This course and either POL 5 or HIST 17B will meet graduation requirements in American Institutions. May be taken before POL 5. (CSU, UC)

POL 54 (3) INTRODUCTION TO INTERNATIONAL RELATIONS
3 Hrs. Lab.
An introductory course stressing the techniques of analysis of the basic factors making for conflict and adjustment in contemporary international relations. Prerequisites: a background in realism and imperialism, elements of national power, causes of war, methods of settling 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

PSYCH 1A (3) INTRODUCTION TO PSYCHOLOGY
3 Hrs. 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)

PSYCH 1B (3) LEARNING
3 Hrs. Lab.
Recommended Preparation: Successful completion of PSYCH 1A strongly recommended and the twelfth grade reading level highly recommended. This course will explore the role of learning in the adoption of human behaviors. Research methodology, Pavlovian and operant theories, applications and implications, and higher cognitive processes will be examined. (CSU, UC)

PSYCH 1H (1) INTRODUCTION TO PSYCHOLOGY - HONORS
1 Hr. Lab.
Prerequisite: Current test grades of B or better in PSYCH 1A. Corequisite: Concurrent enrollment in PSYCH 1B. A course in which students are required to do advanced work in the field of psychology. The research may be library research on a topic approved by the instructor, or it may be done in a laboratory or field situation. The experiment or survey must be presented in an organized and formal manner as explained by the instructor. The research paper is to be in addition to A and B requirements as required in PSYCH 1A. (UC, CSU)

PSYCH 2 (3) BIOLOGICAL PSYCHOLOGY
3 Hrs. Lab.
Recommended Preparation: Successful completion of PSYCH 1A 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 role in human behavior. A study of the role of human behavior, thought, and the nervous system. The history of neuroscience and methods of scientific inquiry are reviewed. (CSU, UC)

PSYCH 3 (3) PSYCHOLOGY OF ADJUSTMENT
3 Hrs. 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 anxiety; self-image, motivation, self-deception, life span development and the major psychological theories which address these behaviors. Effective group behaviors including interpersonal relationships, marriage, sex, and society are also examined. (CSU, UC)
PSYCH 4 (0) PSYCHOLOGY OF HUMAN SEXUALITY
3 Hrs. Lect.
A study of the psychology of Human Sexuality. Includes anatomy and physiology of sexual functions, 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)

PSYCH 5 (3) PSYCHOLOGY OF EFFECTIVE BEHAVIOR
3 Hrs. Lect.
A survey of some of the relevant psychological facts, principles, and concepts involved in the experience and problems of everyday living. An experimental approach, including emphasis upon effective behavioral alternatives in parenting, interpersonal relations, values clarification, methods for successful study, and the art of taking responsibility for one's own life. (CSU)

PSYCH 6 (3) CURRENT ISSUES IN PSYCHOLOGY
3 Hrs. Lect.
Recommended Preparation: PSYCH 1A and ENGL 12B. A detailed examination of recent research and publications in the areas of psychology, such as the biological bases of behavior, psychological bases and psychological disorders and therapeutic processes. An up-to-date examination of selected topics in the field of psychology. (CSU, UC)

PSYCH 7 (3) INTRODUCTION TO COUNSELING
3 Hrs. Lect.
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 required to become a client or interviewer in counseling situations. Theories of counseling and basic helping skills will be presented, demonstrated, and practiced. (Same as ADS 9 (CSU))

PSYCH 10A (3) PSYCHOLOGY: HUMAN RELATIONSHIPS
3 Hrs. Lab.
Recommended Preparation: PSYCH 1A and SOC 1. 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 centers. Students will be supervised by qualified instructional staff and professionally trained personnel. (Same as ADS/H REL 11A (CSU))

PSYCH 11B (3) PSYCHOLOGY: ABNORMAL PSYCHOLOGY
3 Hrs. Lect.
Recommended Preparation: Twelfth grade reading level highly recommended, PSYCH 1A. PSYCH 2 and PSYCH 3 recommended.

Covers the major categories of mental disorders listed in the latest version of the Diagnostic and Statistical Manual of Mental Disorders (DSM). Focuses upon important contributions from various psychological, sociological, and biological theoretical stances. Case studies and research-based examinations are examined. Controversial topics related to mental disorder are explored. (CSU, UC)

PSYCH 16 (3) SOCIAL AND PSYCHOLOGICAL DYNAMICS OF DRUG USE
3 Hrs. Lect.
Recommended Preparation: PSYCH 1A, PSYCH 1B, SOC 1 or SOC 17. This course views drug use behavior from a sociological and psychological perspective. It includes an analysis of factors contributing to drug use: societal influence (peer group and the family), and personal psychodynamics and development. It encompasses illegal drug use as well as legal drug use, particularly of alcohol. Potential solutions and preventive methods which could be of practical value to parents and various professional and semi-professional workers will be addressed. (Same as ADS/SOC 15 (CSU))

PSYCH 17 (3) SOCIAL PSYCHOLOGY
3 Hrs. Lect.
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 17 (CSU), UC)

PSYCH 18 (3) RESEARCH METHODS IN PSYCHOLOGY
3 Hrs. Lect.
Recommended Preparation: Successful completion of PSYCH 1A 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)

PSYCH 19 (3) THE PSYCHOLOGY OF LOSS
3 Hrs. Lect.
The grief process will be explored as well as how one can help a person resolve a personal loss, whether it be by divorce, death, separation, the aging process, illness, retirement, changing neighborhoods, or by loss of financial security. Why some forms of grief in ourselves and others go unresolved will be explained and discussed. In addition, techniques for giving emotional support and for creating life as a challenge rather than a threat will be covered. Alternative models of caring for the terminally ill patient will be presented as well as the concept of "conscious living-conscious dying." (CSU)

PSYCH 28 (0) DEVELOPMENTAL PSYCHOLOGY OF CHILDREN
3 Hrs. Lect.
A study of the developmental stages of children from conception through adolescence, and the principle theories of development and their application. (Same as ECE 20 (CSU) UC credit limited. See a counselor.)

PSYCH 39 (1) PSYCHOLOGY OF ADOLESCENCE
3 Hrs. Lect.
A study of human development from pre-adolescence through early and late adolescence to young adulthood. The course includes practical aspects of dealing with adolescent influences, settings and problem areas. (CSU) UC credit limited. See a counselor.

PSYCH 35 (3) DEVELOPMENTAL PSYCHOLOGY: CONCEPTION TO DEATH
3 Hrs. Lect.
A study of human development from conception to death, including preconception, 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.

RECREATION

RECR 27 (3) INTRODUCTION TO LEISURE
3 Hrs. Lect.
Prepares the basic ideas and problems in our contemporary society and provides this information in the context of greater amounts of leisure time will be at our disposal. The course shows the need of our society to cope successfully with the pressures of our daily lives and have a balanced and meaningful use of leisure time in maintaining mental and physical health. (CSU)

RECR 21 (3) SOCIAL RECREATION
3 Hrs. Lect.
A theory and activity course designed to present instruction, material, and information necessary to effectively conduct social recreation in clubs, playgroups, recreation centers, churches, and camps. Emphasis is on the social development and integration of individuals into group programs, including planning, programming, and conducting social recreational activities. (CSU)

RECR 72 (3) OUTDOOR RECREATION
2 Hrs. Lect., 3 Hrs. Lab.
History, development, principles, and trends of organized camping, nature and conservation, and outdoor recreation. Laboratory and field trips, including camping and hiking activities. Practical skills in first-aid, outdoor cooking and backpacking. Leadership training in camp counseling. Required for recreation majors. (Will not satisfy PE requirements). (CSU)

RECR 73 (4) RECREATION FOR SPECIAL GROUPS
2 Hrs. Lect. 4 Hrs. Lab.
Field work in therapeutic recreation in the community. The special groups emphasis is dedicated to understanding and serving individuals and groups in our society who exhibit special recreational needs. Students must plan for two additional hours by arrangement. (CSU)

SOC 104BCD (1A-1D-1A) RECREATION FOR SPECIAL GROUPS
2 Hrs. Lab.
Introduces 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. (Nontransferable, nondegree applicable)

SOC 32 (3) INTRODUCTION TO AMERICAN GOVERNMENT
3 Hrs. Lect.
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 17AB or POL S1, POL S2. (Nontransferable, AA/AS degree only)

SOCIETY 52 (3) SOCIAL SCIENCE
SOCIETY

SISO 31 (3) MARRIAGE AND THE FAMILY
3 Hrs. Rec.
An introductory course to marriage and the family. Major ideas and concepts include: the history of love and marriage, myths and hidden realities, values, singlehood and pairing, communications and conflict resolution, separation and divorce, remarriage. (CSU)

SOC 49 (3) COMPUTERS AND SOCIETY
3 Hrs. Rec.
A general course designed to acquaint students with computers and their related social issues, such as: privacy, computer crime, the Internet, on-line terrorism, and social change resulting from computer information systems. (CSU, UC)

SOC 50 (3) HUMAN SERVICES IN A CHANGING SOCIETY
3 Hrs. Rec.
History, philosophy and the development of thought in social work. A course aimed at social work students but open to the public. (CSU, UC)

SOCIAL AND PSYCHOLOGICAL DYNAMICS OF DRUG USE
3 Hrs. Rec.
Recommended Preparation: PSYCH 1A, PSYCH 1B, SOC 1 or SOC 17. This course views drug use behavior from a sociological and psychological perspective. It includes an analysis of factors contributing to drug use; societal influence (peer group and the family), and personal psychodynamics and development. It encompasses illegal drug use as well as legal drug use, particularly of alcohol. Potential solutions and preventive methods which could be of practical value to parents and various professional and semi-professional workers will be addressed. (Same as ADS/PSYCH 15) (CU, UC)

SOCIAL PSYCHOLOGY
3 Hrs. Rec.
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 PSYCH 17) (CU, UC)

CRIMINOLOGY
3 Hrs. Rec.
Recommended Preparation: Completion of ENGL 2B and ENGL 12B 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 30) (CSU)

INTRODUCTORY SOCIOLOGY
3 Hrs. Rec.
An introductory course to the study of society. Major ideas, concepts, and methods in the study of society to include culture, structural social systems, social control, social change, and marriage in the family. (CSU, UC)

CONTEMPORARY SOCIAL PROBLEMS
3 Hrs. Rec.
This course deals with contemporary social problems and will cover those areas that are currently being defined by our society as problem areas. Emphasis will be given to understanding these problems on the societal level, the group level, and from the standpoint of the individual. (CSU, UC)

SOCIOLOGY OF MINORITY GROUPS
3 Hrs. Rec.
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, and religious and sexual discrimination. (Same as ADS 10) (CSU, UC)

SOCIAL AND PSYCHOLOGICAL DYNAMICS OF DRUG USE
3 Hrs. Rec.
Recommended Preparation: PSYCH 1A, PSYCH 1B, SOC 1 or SOC 17. This course views drug use behavior from a sociological and psychological perspective. It includes an analysis of factors contributing to drug use; societal influence (peer group and the family), and personal psychodynamics and development. It encompasses illegal drug use as well as legal drug use, particularly of alcohol. Potential solutions and preventive methods which could be of practical value to parents and various professional and semi-professional workers will be addressed. (Same as ADS/PSYCH 15) (CU, UC)

SOCIAL PSYCHOLOGY
3 Hrs. Rec.
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 PSYCH 17) (CU, UC)

CRIMINOLOGY
3 Hrs. Rec.
Recommended Preparation: Completion of ENGL 2B and ENGL 12B 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 30) (CSU)
SPAN 27 (4)  SPANISH READING AND WRITING  4 Hrs. Lab.
Recommended Preparation: SPAN 4 or SPAN 20B. This course is designed to develop reading and writing skills for the student of Spanish. Emphasis will be placed on the process of writing as preparation for upper division work. In addition, the student will review grammar, punctuation, and spelling. Selected readings from Chinese, Spanish American, and Spanish literature will be included. (CSU, UC)

SPAN 28A (3)  THE MEXICAN AMERICAN IN LITERATURE  3 Hrs. Lab.
Recommended Preparation: Eligibility for ENGL 1A. A 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 Americans. Conducted in English. (Same as ENGL-46A) (CSU, UC)

SPAN 28B (3)  THE MEXICAN AMERICAN IN LITERATURE  3 Hrs. Lab.
Recommended Preparation: Eligibility for ENGL 1A. A continuation of ENGL 46A with emphasis on contemporary Mexican American writers. Conducted in English. ENGL 46B may be taken before ENGL 46A. (Same as ENGL 46B) (CSU, UC)

SPAN 42 (3)  INTRODUCTION TO MEXICAN AMERICAN STUDIES  3 Hrs. 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)

SPAN 66ABC (1-1-1)  LANGUAGE LABORATORY  2 Hrs. Lab.
Individualized language laboratory practice with prepared taped materials and texts in the language laboratory. Practice in listening comprehension and pronunciation. Supplementary course for beginning, intermediate, and advanced levels in Spanish. (Nontransferable, A/AAS degree only)

SPEC 51-87  SPECIAL STUDIES  

SPEC 51 or 81-13  VOCATIONAL EDUCATION  Hours by arrangement

SPEC 52 or 82-13  HUMANITIES  Hours by arrangement

SPEC 53 or 83-13  ENGLISH  Hours by arrangement

SPEC 54 or 84-13  NATURAL SCIENCE  Hours by arrangement

SPEC 55 or 85-13  BEHAVIORAL SCIENCE & SOCIAL SCIENCE  Hours by arrangement

SPEC 56 or 86-13  BUSINESS  Hours by arrangement

SPEC 57 or 87-13  EXERCISE SCIENCE, WELLNESS & SPORT  Hours by arrangement

SPEECH

SPCH 1 (3)  ORAL COMMUNICATION  3 Hrs. Lab.
Recommended Preparation: ENGL 2B or higher. Training in the fundamental processes involved in oral communications with emphasis on organizing material, outlining, constructing, and delivering various forms of speeches. (CSU) (UC credit limited. See a counselor.)

SPCH 2AB (3-3)  PUBLIC SPEAKING  3 Hrs. Lab.
Recommended Preparation: SPCH 1. A continuation of SPCH 1 with particular emphasis on organization and delivery, and study in the areas of parliamentary procedure, debate, discussion, and oral reading. Maximum credit six units. (CSU) (UC credit limited. See a counselor.)

SPCH 10 (3)  ARGUMENTATION AND DEBATE  3 Hrs. Lab.
Recommended Preparation: SPCH 1. An introduction to the problems of evidence and inference, with emphasis on the application of logic to rational discussion of social problems. (CSU, UC)

THEA 1 (3)  INTRODUCTION TO THEATRE  3 Hrs. 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 20 (3)  FUNDAMENTALS OF ACTING  3 Hrs. 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 material to an audience. (CSU, UC)

THEA 21AB (3-3)  INTERMEDIATE ACTING  2 Hrs. Lab. 3 Hrs. Lab.
Recommended Preparation: THEA 20. A continuation of THEA 20 with further emphasis on fundamental acting skills. Laboratory hours are to be arranged. Maximum credit six units. (CSU, UC)

THEA 22ABC (1-1-1)  REHEARSAL AND PERFORMANCE  3 Hrs. Lab.
Enrollment contingent upon participation in campus major dramatic production. Maximum credit 1 unit per semester for four semesters. Hours are to be arranged. (CSU, UC)

WATER TREATMENT TECHNOLOGY

WT 1 (4)  WATER TREATMENT PLANT OPERATOR I  4 Hrs. Lab.
This course will provide information needed to operate a basic wastewater 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, UC)

WT 2 (4)  WATER TREATMENT PLANT OPERATOR II  4 Hrs. Lab.
Prerequisite: WT 1. Study of wastewater treatment plant safety, irrigation and manganese control, fluoride, softening, denitrification, handling and disposal of process wastes, instrumentation, maintenance, administrative, drinking water regulations, and treatment plant math. (CSU, UC)

WT 6 (3)  COMPUTATIONAL PROCEDURES FOR TREATMENT PLANT OPERATOR I  3 Hrs. Lab.
This course is designed to give water and wastewater treatment operators a general knowledge of basic mathematics as applied to treatment plant operations. The course includes calculation of treatment plant problems, fractions, decimals, percentages, ratio, proportions, averages, areas, volumes, metric system conversions, and estimation. (CSU, UC)

WT 7 (3)  COMPUTATIONAL PROCEDURES FOR TREATMENT PLANT OPERATOR II  3 Hrs. Lab.
Prerequisite: WT 6. 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 water quality collection, preliminary treatment, primary treatment, secondary treatment, trickling filters, secondary clarifiers, and activated sludge. (CSU, UC)

WT 9 (4)  WASTEWATER TREATMENT I  4 Hrs. Lab.
Prerequisite: WT 6. 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, UC)

WT 10 (4)  WASTEWATER TREATMENT II  4 Hrs. Lab.
Prerequisite: WT 9. 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, UC)

WELDING TECHNOLOGY

Enrollment in welding courses requiring a prerequisite is not allowed unless the prerequisite welding class is passed with a "C" grade or better.

WELD 31 (5)  BASIC WELDING  3 Hrs. Lab. 6 Hrs. Lab.
A computer 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, UC)

WELD 31A (2)  OXY-ACETYLENE WELDING  1 Hr. Lab. 2 Hrs. Lab.
Theory, practice, and application of joining metals by the oxy­-acetylene process, includes metal cladding, cutting, and bronze welding. This course, together with WELD 31B, is equivalent to WELD 31. Not open to students who have completed WELD 31. (CSU, UC)

WELD 31B (3)  ARC WELDING  2 Hrs. Lab. 4 Hrs. Lab.
A beginning study of arc welding for the technology oriented student. The course consists of theory, practice, and application of arc welding processes. Electrode selection and applications in different joint designs will be covered. This course, together with WELD 31A, is equivalent to WELD 31. Not open to students who have completed WELD 31. (CSU, UC)
WELD 34 (3) GAS TUNGSTEN ARC WELDING
2 Hrs. Lect. 3 Hrs. Lab
Theory, practice, and application of Gas Tungsten Arc Welding processes on aluminum, stainless steel, mild steel, and other alloys. (CSU)

WELD 36A (5) ADVANCED WELDING
3 Hrs. Lect. 6 Hrs. Lab
Prerequisite: WELD 31. A concentrated course in shielded metal arc welding. The student develops higher welding skill to a professional entry level. Includes a review of oxy-acetylene cutting and safety. (CSU)

WELD 36B (5) ADVANCED WELDING
3 Hrs. Lect. 6 Hrs. Lab
Prerequisite: WELD 36A. 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 36C (5) ADVANCED WELDING - WELDERS CERTIFICATION AND BLUEPRINT READING
3 Hrs. Lect. 6 Hrs. Lab
Prerequisite: WELD 36B. Emphasis is on welding operator qualifications 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 is included to further develop the welder's abilities. (CSU)

WELD 38 (2) SHEET METAL FUNDAMENTALS
1 Hr. Lect. 6 Hrs. Lab
Theory and practice in the fundamentals of planning, layout, pattern development, and fabrication of flat sheet metal into useful products. (CSU)

WELD 75 (3) BASIC SHOP SKILLS
3 Hrs. Lect.
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 ACET 140) (CSU)

There are two kinds of Work Experience as outlined. Occupational Work Experience is a program for students who are in a vocational major or certificate program. General Work Experience is a program for students in any major and need not be related to a vocational major.

Employment may be on or off campus; the student may or may not receive pay. The Cooperative Education Coordinator will assist the student in obtaining job placements.

**OCCUPATIONAL COOPERATIVE WORK EXPERIENCE**

The Occupational Cooperative Work Experience Program is designed to coordinate on-the-job training and classroom instruction. Supervised employment is related to the occupational goal of the individual student. Employment may be on or off campus; the student may or may not receive pay. The Cooperative Education Coordinator will assist students in obtaining jobs.

Student qualifications: In order to participate in cooperative work experience education, students shall meet the following requirements:

1. Be a legal indentured or certified apprentice.
2. Complete no less than seven units (summer session, one course) including cooperative work experience education.
3. Have approval of the Cooperative Work Experience Education Coordinator.
4. Have occupational or education goals to which, in the opinion of the Coordinator, the cooperative work experience will contribute.
5. Pursue a planned program of cooperative work experience education which, in the opinion of the Coordinator, includes new or expanded responsibilities or learning opportunities beyond those experienced during the previous employment.

A maximum of sixteen units may be earned in occupational cooperative work experience, not to exceed four units each semester.

**GENERAL WORK EXPERIENCE**

The General Cooperative Work Experience Program is designed to give job information and experience to those students employed in jobs not related to coursework in school. Employment may be on or off campus; the student may or may not receive pay. The Cooperative Education Coordinator will assist students in obtaining jobs.

Student qualifications: In order to participate in Cooperative Work Experience Education, students shall meet the following requirements:

1. Complete no less than seven units (summer session, one course) including Cooperative Work Experience Education.
2. Have approval of the Cooperative Work Experience Education Coordinator.
3. Have occupational or education goals to which, in the opinion of the Coordinator, the Cooperative Work Experience Education will contribute.
4. Pursue a planned program of Cooperative Work Experience Education which, in the opinion of the Coordinator, includes new or expanded responsibilities or learning opportunities beyond those experienced during the previous employment.

A maximum of six units may be earned in general cooperative work experience, not to exceed three units each semester.

The number of units received each semester for on-the-job experience will be based on the total number of hours worked each semester or summer session as follows:

- **Paid Work**
  - 4.5 Hrs of Lab/week for 1 unit - 75 Hrs per semester or session
  - 7.5 Hrs of Lab/week for 2 units - 150 Hrs per semester or session
  - 12.5 Hrs of Lab/week for 3 units - 225 Hrs per semester or session
  - 17.0 Hrs of Lab/week for 4 units - 300 Hrs per semester or session

- **Volunteer Work**
  - 3.5 Hrs of Lab/week for 1 unit - 60 Hrs per semester or session
  - 7.0 Hrs of Lab/week for 2 units - 120 Hrs per semester or session
  - 10.5 Hrs of Lab/week for 3 units - 180 Hrs per semester or session
  - 13.5 Hrs of Lab/week for 4 units - 240 Hrs per semester or session

A maximum of six units may be earned in general work experience.

A maximum of sixteen units may be earned in occupational cooperative work experience, not to exceed four units each semester.

**WEGN BA/BAD (1-1-3)**

**WORK EXPERIENCE COORDINATING CLASS**
1 Hr. Lect.
(Same as WEGCC 80AD) (CSU)

**WEGN BA/BAD (1-3, 1, 1-3)**

**GENERAL WORK EXPERIENCE (Parallel Plan)**
Paid Work: 4.5-12.5 Hrs. Lab.
Volunteer Work: 3.5-10.0 Hrs. Lab.
Corequisites: Must be taken in conjunction with WEGN WEOCC 80AD. A program of on-the-job learning experiences designed to assist the student in developing occupational effectiveness. Placement need not be related to a vocational or occupational major. One unit of credit is earned for each 60 hours of volunteer work or 75 hours of paid work, with a maximum of three units per semester. During each semester a student must complete a minimum of 7 units, including work experience. May be repeated a maximum of three times for a total of six units. (CSU)

**WEGCC BA/BAD (1-1-3)**

**WORK EXPERIENCE COORDINATING CLASS**
1 Hr. Lect.
(Same as WEGCC 80AD) (CSU)

**WEGCC BA/BAD (1, 1-4, 1-4, 1-4)**

**OCCUPATIONAL WORK EXPERIENCE (Parallel Plan)**
Paid Work: 4.5-17.0 Hrs. Lab.
Volunteer Work: 3.5-12.5 Hrs. Lab.
Corequisites: Must be taken in conjunction with WEGCC WEOCC 80AD. A program of on-the-job learning experiences in a job placement for students in vocational certificates and majors. May be repeated a maximum of four times for a total of 16 units. One unit of credit is earned for each 60 hours of volunteer work or 75 hours of paid work. To receive credit a student must complete a minimum of 7 units per semester including Work Experience. (CSU)
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 requirement 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. Courses recommended as electives are beyond the major's requirements. These courses are suggested only, and selection from them is at the student's discretion.

Students may satisfy the major requirements in the following fields of study:

ADMINISTRATION OF JUSTICE (MAJOR CODE: 0102)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 21</td>
<td>Intro to the Admin of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 23/CIS 23</td>
<td>Concepts of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 25</td>
<td>Legal Aspects of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>AJ 26</td>
<td>Price &amp; Proof of the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 28</td>
<td>Police Community Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (6 units from the following courses):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 30</td>
<td>Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 32</td>
<td>Police Field Operations</td>
<td>3</td>
</tr>
<tr>
<td>AJ 34</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 36</td>
<td>Traffic Accident Investigation &amp; Reporting</td>
<td>3</td>
</tr>
<tr>
<td>AJ 39/CIS 22</td>
<td>Report Writ for Admin of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 41</td>
<td>Arrest &amp; Firearms</td>
<td>3.5</td>
</tr>
<tr>
<td>AJ 51</td>
<td>Security Guard (Arrest)</td>
<td>0.5</td>
</tr>
<tr>
<td>CIS 21</td>
<td>Intro to Corrections</td>
<td>3</td>
</tr>
<tr>
<td>CIS 31</td>
<td>Concepts of Probation &amp; Parole</td>
<td>3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 40</td>
<td>Advanced Officers Course</td>
<td>16/3</td>
</tr>
</tbody>
</table>

AGRICULTURAL BUSINESS MANAGEMENT/TRANSFER (MAJOR CODE: 0002)

The Agricultural Business Management major is the application of business concepts to agricultural business and emphasizes training in management for careers in agriculture. These careers may include the management and operation 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.

Twenty-four 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>AG 22</td>
<td>Intro to Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AG 25/BSU 3</td>
<td>Ag Business Management</td>
<td>3</td>
</tr>
<tr>
<td>AG 27</td>
<td>Agricultural Bus Organization</td>
<td>3</td>
</tr>
<tr>
<td>AG 27</td>
<td>Agri Sales &amp; Svc Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (select a minimum of 6 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 15</td>
<td>Pesticide Safety</td>
<td>1</td>
</tr>
<tr>
<td>AG 20</td>
<td>Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AG 30</td>
<td>Food &amp; Fiber in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>AG 40</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>BUS 1A</td>
<td>Prin of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 1B</td>
<td>Prin of Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 5</td>
<td>Bus &amp; the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2A</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>AG 41</td>
<td>Fertilizers, Pesticides</td>
<td>3</td>
</tr>
<tr>
<td>AG 45</td>
<td>Vegetable Production</td>
<td>3</td>
</tr>
</tbody>
</table>

ALCOHOL AND DRUG STUDIES (MAJOR CODE: 0415)

Twenty-seven 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>AGET 28</td>
<td>Power Equip Oper &amp; Maint</td>
<td>4</td>
</tr>
<tr>
<td>AGET 34</td>
<td>Power Transmission Systems</td>
<td>4</td>
</tr>
<tr>
<td>AUTO T 59</td>
<td>Small Gasoline Engines</td>
<td>3</td>
</tr>
<tr>
<td>AGET 39</td>
<td>Fundamentals of Diesel Power</td>
<td>4</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (6 units from the following courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 25/BSU 3</td>
<td>Ag Business Management</td>
<td>3</td>
</tr>
<tr>
<td>AG 32</td>
<td>Irrigation &amp; Drainage</td>
<td>3</td>
</tr>
<tr>
<td>AUTO T 60</td>
<td>Automotive Electronics I</td>
<td>3</td>
</tr>
<tr>
<td>WELD 31</td>
<td>Basic Welding</td>
<td>5</td>
</tr>
</tbody>
</table>

AGRICULTURAL SCIENCE/TRANSFER (MAJOR CODE: 0008)

The Agricultural Science major deals with the application of the various principles of the biological and physical sciences in agriculture. This course offers fundamental and broad in scope so that students can prepare for transfer to one of the hundreds of opportunities in the Animal Science or Soil Science.

Twenty-six 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>AG 20</td>
<td>Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AG 40A</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>AG 42</td>
<td>Intro to Crop Science</td>
<td>4</td>
</tr>
<tr>
<td>AGET 28</td>
<td>Power Equip Oper &amp; Maint</td>
<td>4</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (select a minimum of 9 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 14</td>
<td>Entomology</td>
<td>3</td>
</tr>
<tr>
<td>AGET 21</td>
<td>Feeds &amp; Feeding</td>
<td>3</td>
</tr>
<tr>
<td>AG 30</td>
<td>Food &amp; Fiber in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>AG 32</td>
<td>Irrigation &amp; Drainage</td>
<td>3</td>
</tr>
<tr>
<td>AG 41</td>
<td>Fertilizers</td>
<td>3</td>
</tr>
<tr>
<td>AG 43</td>
<td>Field &amp; Crop Crops</td>
<td>3</td>
</tr>
<tr>
<td>AG 45</td>
<td>Vegetable Production</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2A</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>AG 21</td>
<td>Feeds &amp; Feeding, Prerequisite: AG 20; choose this class if Animal Science emphasis</td>
<td>3</td>
</tr>
<tr>
<td>AG 32</td>
<td>Irrigation &amp; Drainage, Prerequisite: AG 40</td>
<td>3</td>
</tr>
<tr>
<td>AG 40</td>
<td>Soils, Prerequisite: MATH 080 (Beginning Algebra)</td>
<td>3</td>
</tr>
<tr>
<td>AG 41</td>
<td>Fertilizers, Prerequisite: AG 40</td>
<td>3</td>
</tr>
<tr>
<td>AG 45</td>
<td>Vegetable Production, Prerequisite: AG 40</td>
<td>3</td>
</tr>
</tbody>
</table>

MINIMUM UNITS: 21

Antropology (Major Code: 0101)

Twenty-seven 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>ANTH 1</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 2</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3A</td>
<td>Intro to Arch Site Surveying</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3B</td>
<td>Intro to Arch Excavations</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4</td>
<td>California Indians</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (minimum of 9 units required from the following courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 3C</td>
<td>Advanced Arch Survey</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3D</td>
<td>Advanced Arch Excavations</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 6</td>
<td>Indians of North America</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 8</td>
<td>Indians of the Southwest</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 16A</td>
<td>Prehistoric Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 16B</td>
<td>Adv Prehistoric Ceramics</td>
<td>3</td>
</tr>
</tbody>
</table>

ART (MAJOR CODE: 0599)

Twenty-four 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>ART 20A</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 20B</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 22A</td>
<td>Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 3A</td>
<td>History &amp; Apprec of Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 3B</td>
<td>History &amp; Apprec of Art</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (select a minimum of 9 units from the following courses)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGET 28</td>
<td>Power Equip Oper &amp; Maint</td>
<td>4</td>
</tr>
<tr>
<td>AGET 34</td>
<td>Power Transmission Systems</td>
<td>4</td>
</tr>
<tr>
<td>AUTO T 59</td>
<td>Small Gasoline Engines</td>
<td>3</td>
</tr>
<tr>
<td>AGET 39</td>
<td>Fundamentals of Diesel Power</td>
<td>4</td>
</tr>
<tr>
<td>AG 25/BSU 3</td>
<td>Ag Business Management</td>
<td>3</td>
</tr>
<tr>
<td>AG 32</td>
<td>Irrigation &amp; Drainage</td>
<td>3</td>
</tr>
<tr>
<td>AUTO T 60</td>
<td>Automotive Electronics I</td>
<td>3</td>
</tr>
<tr>
<td>WELD 31</td>
<td>Basic Welding</td>
<td>5</td>
</tr>
</tbody>
</table>

ASSOCIATE DEGREE IN APPLIED SCIENCE (MAJOR CODE: 0010)

The Agricultural Business Management major is the application of business concepts to agricultural business and emphasizes training in management for careers in agriculture. These careers may include the management and operation 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.

Twenty-four 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>AG 22</td>
<td>Intro to Agricultural Economics</td>
<td>3</td>
</tr>
<tr>
<td>AG 25/BSU 3</td>
<td>Ag Business Management</td>
<td>3</td>
</tr>
<tr>
<td>AG 27</td>
<td>Agricultural Bus Organization</td>
<td>3</td>
</tr>
<tr>
<td>AG 27</td>
<td>Agri Sales &amp; Svc Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Intro to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Acceptable courses for the major (select a minimum of 6 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 15</td>
<td>Pesticide Safety</td>
<td>1</td>
</tr>
<tr>
<td>AG 20</td>
<td>Animal Science</td>
<td>3</td>
</tr>
<tr>
<td>AG 30</td>
<td>Food &amp; Fiber in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>AG 40</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>BUS 1A</td>
<td>Prin of Financial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 1B</td>
<td>Prin of Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 5</td>
<td>Bus &amp; the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2A</td>
<td>Introduction to Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>AG 21</td>
<td>Feeds &amp; Feeding, Prerequisite: AG 20; choose this class if Animal Science emphasis</td>
<td>3</td>
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<tr>
<td>AG 32</td>
<td>Irrigation &amp; Drainage, Prerequisite: AG 40</td>
<td>3</td>
</tr>
<tr>
<td>AG 40</td>
<td>Soils, Prerequisite: MATH 080 (Beginning Algebra)</td>
<td>3</td>
</tr>
<tr>
<td>AG 41</td>
<td>Fertilizers, Prerequisite: AG 40</td>
<td>3</td>
</tr>
<tr>
<td>AG 45</td>
<td>Vegetable Production, Prerequisite: AG 40</td>
<td>3</td>
</tr>
</tbody>
</table>
AUT 54  Automotive Performance II
AUT 54C  Engine Performance III
AUT 58  Automotive Air Conditioning
AUT 60  Automotive Electronics II

II. Required courses for the major (not required)

CIS 23 or 26  Computer Literacy or Windows I/II
MATH 070  Basic Mathematics
WELD 31  Basic Welding
WEIEC  ROADC  Work Exp Core Class
WEIEC  RAD  Occupational Work Experience

BEHAVIORAL SCIENCE (MAJOR CODE: 0889)

The requirement for a major in Behavioral Science may be satisfied by taking 18 units from the following list. Three units in each discipline are recommended. No more than 12 units may be taken in any discipline.

I. Required courses for the major

Anthropology
ANTH 1  Physical Anthropology
ANTH 2  Cultural Anthropology

Psychology
PSYCH 1A  Intro to Psychology
PSYCH 1B  Learning
PSYCH 2  Biological Psychology
PSYCH 3  Psychology of Adjustment
PSYCH 4  Psych of Human Sexuality
PSYCH 5  Psych of Eating Behavior
PSYCH 6  Psych of Creativity
PSYCH 17A  Pron to Counseling

PSYCH 17B  Social Psychology
PSYCH 18  Research Methods in Psychology
PSYCH 20V  Social Psychology
ECE 20  Develop Psych of Children
ECE 27  Visual Perception
DSPS 1  Understanding Dev Psych
PSYCH 30  Psychology of Adolescence
PSYCH 35  Develop Psych: Concepts to Death

Sociology
SOC 1  Introductory Sociology
SOC 10  Social Problems
SOC 10  Concept Social Problems
ADS 1O  Sociology of Minority Groups
SOC 13  Social Psychology
SOC 17  Social Psychology
SOC 19J  Social Psychology
SOC 33  Marriage & the Family

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

Biol 3  Principles of Biology
PSYCH 15  Social & Psychological
ADS 15  Computer Applications I/II
ECE 21  Early Child Social: Children,
Family & Community
ECE 26  Principles of Parenting
SOC 49  Computers & Society
ZOOL 1B  General Zoology

Transfer students planning to major in these disciplines should take the PCC General Major and complete requirements listed in the catalog of the school to which they anticipate transferring.

BUSINESS ADMINISTRATION (MAJOR CODE: 0214)

Twenty units required for the major

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

I. Required courses for the major

BUS 1A  Principles of Financial Accounting
BUS 1B  Principles of Managerial Accounting
BUS 5  Bus & the Legal Environment
ECO 1  Principles of Economics
ECO 2  Principles of Economics

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

BUS 42  Business Communications
CIS 1  Intro to Information Systems
MATH 120  Introductory Statistics with Applications
MATH 124  Introductory Calculus with Applications

BUSINESS FINANCIAL SERVICES (MAJOR CODE: 0228)

Students who intend to pursue a four-year Business Degree should follow the Business Administration Major

Twenty-six units required for the major

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

I. Required courses for the major

BUS 1A  Principles of Financial Accounting
BUS 1B  Principles of Managerial Accounting
BUS 2  Intro to Business
BUS 20  Principles of Marketing
BUS 5  Bus & the Legal Environment
BUS 10  Principles of Accounting
BUS 11  Business Retailing
BUS 14  Practical Salesmanship
BUS 18  Small Business Management
BUS 41  Essentials in Bus Correspondence
CIS 22  Microcomputer Accounting
CIS 37A  Spreadsheet: Excel
CIS 37B  Spreadsheet: Excel
ECO 1  Principles of Economics
ECO 2  Principles of Economics
WEIEC  ROADC  Work Exp Core Class
WEIEC  ROADC  Occupational Work Experience (limited to 1 unit)

II. Acceptable courses for the major (minimum of nine units from the following courses)

BUS 1B  Principles of Managerial Accounting
BUS 2  Intro to Business
BUS 6  Management Concepts of Supervision
BUS 7  Human Relations in Management
BUS 8  Principles of Marketing
BUS 10  Principles of Accounting
BUS 11  Business Retailing
BUS 14  Practical Salesmanship
BUS 18  Small Business Management
BUS 41  Essentials in Business Correspondence
CIS 22  Microcomputer Accounting
CIS 37A  Spreadsheet: Excel
CIS 37B  Spreadsheet: Excel
ECO 1  Principles of Economics
ECO 2  Principles of Economics
WEIEC  ROADC  Work Exp Core Class
WEIEC  ROADC  Occupational Work Experience (limited to 1 unit)

Twenty-six units required for the major

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE

I. Required courses for the major

BUS 1A  Principles of Financial Accounting
BUS 1B  Principles of Managerial Accounting
BUS 2  Intro to Business
BUS 20  Principles of Marketing
BUS 5  Bus & the Legal Environment
BUS 10  Principles of Accounting
BUS 11  Business Retailing
BUS 14  Practical Salesmanship
BUS 18  Small Business Management
BUS 41  Essentials in Bus Correspondence
CIS 22  Microcomputer Accounting
CIS 37A  Spreadsheet: Excel
CIS 37B  Spreadsheet: Excel
ECO 1  Principles of Economics
ECO 2  Principles of Economics
WEIEC  ROADC  Work Exp Core Class
WEIEC  ROADC  Occupational Work Experience (limited to 1 unit)
**GENERAL CATALOG 2001-2002**

### BUSINESS MARKETING

(MAJOR CODE: 0223)

Students who intend to pursue a four-year Business Degree should follow the Business Administration Major

Twenty-six units required for the major

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

| BUS 1A Principles of Financial Accounting | 4 |
| BUS 23 Machine Calculation | 3 |
| BUS 5 Business and the Legal Environment | 3 |
| BUS 7 Human Relations in Management | 3 |
| BUS 21 AC Computer Applications Lab | 3 |
| BUS 37B Spreadsheet: Excel | 3 |
| BUS 44 Microcomputer Accounting | 3 |
| BUS 42 Business Communications | 3 |
| BUS 55 Introduction to Information Systems | 3 |
| BUS 57AC Computer Applications Lab | 1 |

**II. Acceptable courses for the major (minimum of six units from the following courses)**

| BUS 1B Principles of Managerial Accounting | 4 |
| BUS 2 Intro to Business | 3 |
| BUS 6 Business Conceptual Framework | 3 |
| BUS 7 Business Ethics | 3 |
| BUS 10 Advanced Business Concepts | 3 |
| BUS 20 Business Communications | 3 |
| BUS 42 Business Communications | 3 |
| BUS 55 Introduction to Information Systems | 3 |
| BUS 57AC Computer Applications Lab | 1 |

### BUSINESS OFFICE TECHNOLOGIES: ADMINISTRATIVE ASSISTANT

(MAJOR CODE: 0207)

**Thirty-one and half units and skill level required for the major**

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

| BUS 1A Principles of Business Administration | 4 |
| BUS 5 Business and the Legal Environment | 3 |
| BUS 7 Human Relations in Management | 3 |
| BUS 23 Machine Calculation | 3 |
| BUS 21 AC Computer Applications Lab | 3 |
| BUS 37B Spreadsheet: Excel | 3 |
| BUS 44 Microcomputer Accounting | 3 |
| BUS 42 Business Communications | 3 |
| BUS 55 Introduction to Information Systems | 3 |
| WEOCC 80ABC Work Exp Coord Class | 1 |
| WEOCC 80ABC* Occupational Work Exp | 1 |

**III. Skill level required for the major**

**Business keyboard level 60 wpm. (BUS 25ABC, Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)**

### BUSINESS OFFICE TECHNOLOGIES: OFFICE TECHNICIAN

(MAJOR CODE: 0209)

**Thirty units and skill level required for the major**

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

| BUS 1A Principles of Business Administration | 4 |
| BUS 5 Business and the Legal Environment | 3 |
| BUS 7 Human Relations in Management | 3 |
| BUS 23 Machine Calculation | 3 |
| BUS 24 Records Management | 3 |
| BUS 29A Word Processing for Business | 3 |
| BUS 29B Document Processing for Business | 3 |
| BUS 30 Technology for the Modern Office | 3 |
| BUS 32 Office Communications | 3 |
| BUS 39 Office Procedures | 3 |
| BUS 40 Business English | 3 |
| BUS 41 OR Essentials in Business Communication | 3 |
| BUS 42 Business Communications | 3 |
| WEOCC 80ABC Work Exp Coord Class | 1 |
| WEOCC 80ABC* Occupational Work Exp | 1 |

**II. Required level for the major**

**Business keyboard level 60 wpm. (BUS 25ABC, Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)**

### COMPUTER INFORMATION SYSTEMS (MAJOR CODE: 0215)

**Twenty units required for the major**

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

| BUS 1A Principles of Information Systems | 4 |
| BUS 1C Intro to Information Systems | 3 |
| WEOCC 80ABC Work Exp Coord Class | 1 |
| WEOCC 80ABC* Occupational Work Exp | 1 |

**II. Required courses for this major**

| BUS 1A Principles of Financial Accounting | 4 |
| BUS 3 Business Management | 3 |
| BUS 4 Principles of Marketing | 3 |
| BUS 7 Human Relations in Management | 3 |
| BUS 8 Business Management | 3 |
| BUS 9 Business Ethics | 3 |
| BUS 10 Practical Accounting | 3 |
| BUS 21 AC Computer Applications Lab | 3 |
| BUS 22 Microcomputer Accounting | 3 |
| BUS 37B Spreadsheet: Excel | 3 |
| BUS 42 Business Communications | 3 |
| BUS 55 Introduction to Information Systems | 3 |
| WEOCC 80ABC Work Exp Coord Class | 1 |
| WEOCC 80ABC* Occupational Work Exp | 1 |

**III. Recommended courses (do not fulfill major requirements)**

**ENGL 1A, PSYC 1A, SPAN (or other foreign language), CIS 1, PE 16A/B/C or PE 25, SPCH 1**

### EARLY CHILDHOOD EDUCATION PROGRAMS

**All courses taken for both ECE major programs must be completed with a grade of "CR" or better. Early Childhood Education majors are eligible for a Child Development Permit as described in the degree program which includes 30 units in ECE, 16 units in General Education and completion of graduation requirements for the associate degree. Application for the Child Development Permit can be made through the credential office of Imperial County Office of Education through California Teacher Preparation and Licensing, State Department of Education.**

### EARLY CHILDHOOD EDUCATION

(MAJOR CODE: 0185)

**Thirty units required for the major**

**I. Required courses for the major**

| BUS 23 Machine Calculation | 3 |
| BUS 24 Records Management | 3 |
| BUS 29A Word Processing for Business | 3 |
| BUS 29B Document Processing for Business | 3 |
| BUS 30 Technology for the Modern Office | 3 |
| BUS 32 Office Communications | 3 |
| BUS 39 Office Procedures | 3 |
| BUS 40 Business English | 3 |
| BUS 41 OR Essentials in Business Communication | 3 |
| BUS 42 Business Communications | 3 |
| WEOCC 80ABC Work Exp Coord Class | 1 |
| WEOCC 80ABC* Occupational Work Exp | 1 |

**II. Select at least seven elective units (programming courses taken above may not be used to satisfy this requirement):**

| CIS 3 Intro to Telecommunications | 3 |
| CIS 6 PC Maintenance & Repair | 3 |
| CIS 8 Programming in BASIC | 3 |
| CIS 12 Programming in C | 3 |
| CIS 13 Programming in Fortran | 3 |

**III. Required courses for the major**

| BUS 23 Machine Calculation | 3 |
| BUS 24 Records Management | 3 |
| BUS 29A Word Processing for Business | 3 |
| BUS 29B Document Processing for Business | 3 |
| BUS 30 Technology for the Modern Office | 3 |
| BUS 32 Office Communications | 3 |
| BUS 39 Office Procedures | 3 |
| BUS 40 Business English | 3 |
| BUS 41 OR Essentials in Business Communication | 3 |
| BUS 42 Business Communications | 3 |
| WEOCC 80ABC Work Exp Coord Class | 1 |
| WEOCC 80ABC* Occupational Work Exp | 1 |
### GENERAL CATALOG 2001-2002

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMT-P F1</td>
<td>Emer Med Tech - Para Field 1</td>
<td>Safety and Emergency Response, Fundamentals of Hazard Materials and Hazardous Materials Handling for the First Responder</td>
</tr>
<tr>
<td>BUS 1</td>
<td>Introduction to Business</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 2</td>
<td>Introduction to Business</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 3A1</td>
<td>Business Law</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 3</td>
<td>Business Management</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 4</td>
<td>Business Management</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 6</td>
<td>Management Concepts of Super</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 7</td>
<td>Human Relations in Management</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 8</td>
<td>Human Resource Management</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ECE 10A</td>
<td>ECE26 Multilingual Services</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ECE 10B</td>
<td>ECE27 Infant/Child Development</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ECE 10C</td>
<td>ECE28 Adult Supervision in Early Childhood Programs</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ECE 10D</td>
<td>ECE29 Introduction to Early Childhood Education</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ECE 10E</td>
<td>ECE30 Child Development</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ECE 10F</td>
<td>ECE31C Development of Children</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ECE 10G</td>
<td>ECE32 Multilingual Services</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>ENGL 1A</td>
<td>English 1A Reading &amp; Composition</td>
<td>English 1A Reading &amp; Composition</td>
</tr>
<tr>
<td>ENGL 1B</td>
<td>Intro to Literature</td>
<td>English 1B Intro to Literature</td>
</tr>
<tr>
<td>ENGL 1AB</td>
<td>Survey of American Literature</td>
<td>English 1AB Survey of American Literature</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td>English 1AB Survey of American Literature</td>
</tr>
<tr>
<td>ENGL 2A1</td>
<td>Survey of World Literature</td>
<td>English 2A1 Survey of World Literature</td>
</tr>
<tr>
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<td></td>
<td>English 2A1 Survey of World Literature</td>
</tr>
<tr>
<td>ENGL 2AB</td>
<td>Survey of English Literature</td>
<td>English 2AB Survey of English Literature</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td>English 2AB Survey of English Literature</td>
</tr>
<tr>
<td>ENGL 50</td>
<td>Advanced Composition</td>
<td>English 50 Advanced Composition</td>
</tr>
<tr>
<td>EMT-P D1</td>
<td>Emer Med Tech - Para Didactic 1</td>
<td>Safety and Emergency Response, Fundamentals of Hazard Materials and Hazardous Materials Handling for the First Responder</td>
</tr>
</tbody>
</table>

**Environmental Technology (MAJOR CODE: 0715)**

Thirty-one to forty units required for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV T 100</td>
<td>Intro to Environmental Tech</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>ENV T 103</td>
<td>Hazard Waste Generations/Reduction Treatment</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>ENV T 105</td>
<td>Hazard Materials Mgmt Appl</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>ENV T 107</td>
<td>Hazard Waste Mgmt Appl</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>ENV T 109</td>
<td>Health Effects of Hazard Materials</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>ENV T 113</td>
<td>Safety &amp; Emergency Response</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>ENV T 113A/FIRE 120</td>
<td>Fund of Haz Mat - First Responder</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 200A**</td>
<td>Driver/Operator - Driver</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 200B**</td>
<td>Driver/Operator - Pumping</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 201A**</td>
<td>Fire Investigation I</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 201B**</td>
<td>Fire Investigation I B</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 204A**</td>
<td>Fire Prevention I A</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 204B**</td>
<td>Fire Prevention I B</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 204A**</td>
<td>Fire Prevention I A</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 204B**</td>
<td>Fire Prevention I B</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 204A**</td>
<td>Fire Command 1A</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
<tr>
<td>FIRE 204B**</td>
<td>Fire Command 1B</td>
<td>Environmental Science, Introduction to Environmental Science</td>
</tr>
</tbody>
</table>

*Recommended

**200 courses for personnel already employed in Fire Technology or for those who have completed at least 12 units at the 100 level.

**Twenty-nine and one-half units required for the major

**Five to six units selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>BUS 2</td>
<td>Introduction to Business</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 2AD</td>
<td>Business Law</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 5</td>
<td>Business Management</td>
<td>Introduction to Business Administration</td>
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<tr>
<td>BUS 6</td>
<td>Management Concepts of Super</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>BUS 7</td>
<td>Human Relations in Management</td>
<td>Introduction to Business Administration</td>
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<tr>
<td>BUS 8</td>
<td>Human Resource Management</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>CIS 1</td>
<td>Intro to Information Systems</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>CIS 21ABC</td>
<td>Computer Applications Lab</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>SPCH 1</td>
<td>Oral Communication</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>SPCH 2AB</td>
<td>Intermediate Public Speaking</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>SPCH 10</td>
<td>Argumentation and Debate</td>
<td>Introduction to Business Administration</td>
</tr>
<tr>
<td>WOEC200C/D</td>
<td>Work Exp Coord Class</td>
<td>Introduction to Business Administration</td>
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<tr>
<td>WOEC200D</td>
<td>Occupational Work Exp</td>
<td>Introduction to Business Administration</td>
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### FRENCH (MAJOR CODE: 0666)

**Twelve units required for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>FREN 1*</td>
<td>Elementary French</td>
<td>Elementary French</td>
</tr>
<tr>
<td>FREN 2*</td>
<td>Elementary French</td>
<td>Elementary French</td>
</tr>
<tr>
<td>FREN 3</td>
<td>Intermediate French</td>
<td>Intermediate French</td>
</tr>
<tr>
<td>FREN 4</td>
<td>Intermediate French</td>
<td>Intermediate French</td>
</tr>
</tbody>
</table>

*Completion of FREN 1A and FREN 2B is equivalent to FREN 1 and completion of FREN 2A and FREN 2B is equivalent to FREN 2.

### 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.

### GENERAL SCIENCE (MAJOR CODE: 0709)

Successful completion of all courses offered in one subject field (Astronomy, Biology, Botany, Chemistry, Math, Physics, Physiology, and Zoology) may be combined with courses from at least two other subject fields (within the general area of Natural-Physical Science) to accumulate 18 hours for the General Science 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.

### Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 1</td>
<td>Physical Anthropology</td>
<td>Physical Anthropology</td>
</tr>
<tr>
<td>BIOL 3</td>
<td>Prin of Biological Science</td>
<td>Prin of Biological Science</td>
</tr>
</tbody>
</table>

### Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 21</td>
<td>Principles of Astronomy</td>
<td>Principles of Astronomy</td>
</tr>
<tr>
<td>ENV S 5</td>
<td>AG Man &amp; His Environment</td>
<td>AG Man &amp; His Environment</td>
</tr>
<tr>
<td>GEOG 1</td>
<td>Physical Geography</td>
<td>Physical Geography</td>
</tr>
</tbody>
</table>
### Liberal Studies (Major Code: 6517)

A minimum of 55 units is required, as follows:

- ** required courses for the major:
- ** Interdisciplinary Major (Major Code: 8315):

#### Humanities

**Hum 1A** The Humanities in Western Cultures
**Hum 1B** The Humanities in Culture
**Hum 25** Intro to the Humanities

#### Interdisciplinary Major (Major Code: 8315)

This major provides Associate Degree students with an area of concentration within two disciplines to meet a specific job need.

- ** Required courses for the major:**
- **Journals (Major Code: 6517):

A minimum of 21 units is required, as follows:

- ** Required courses for the major:**
- **Preparation for the Major (As it pertains to San Diego State University ONLY):

#### Language and Literature

- ** English 1A** Reading and Composition
- ** English 50** Advanced Composition
- ** Speech 1** Oral Communication
- ** English 1B** Introduction to Literature
- ** English 42A** Survey of World Literature
First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 35 Develop Psych: Conception to Death</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 21 General Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>NURS 1A (R) Intro to Patient Care I</td>
<td>4</td>
</tr>
<tr>
<td>NURS 1B (R) Intro to Patient Care II</td>
<td>4</td>
</tr>
<tr>
<td>NURS 1C (R) Pharmacology I</td>
<td>1.5</td>
</tr>
<tr>
<td>NURS 3C (R) Patient Care Mgmt &amp; Crit Think</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 2A (V) Maternity Cycle</td>
<td>5.5</td>
</tr>
<tr>
<td>NURS 2B (V) Common Health Problems I</td>
<td>5.5</td>
</tr>
<tr>
<td>NURS 2C (V) Pharmacology II</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 3A (V) Common Health Problems II</td>
<td>6.5</td>
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<tr>
<td>NURS 3B (V) Common Health Problems III</td>
<td>6.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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Part-Time Program Sequence

<table>
<thead>
<tr>
<th>Vocational Nursing</th>
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<tbody>
<tr>
<td>Associate Degree Nursing</td>
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<tr>
<td>Forty-eight units of nursing required for the major. Thirty-one support course units required to complete the nursing program.</td>
<td></td>
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Pre-Admission Requirements

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENGL 1A Reading &amp; Composition</td>
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Pre-Clinical Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HT 3 Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 1A Intro to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ANAT 10 Human Anatomy &amp; Physiology</td>
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First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</tr>
<tr>
<td>NURS 1C (R) Pharmacology I</td>
<td>1.5</td>
</tr>
<tr>
<td>NURS 3C (R) Patient Care Mgmt &amp; Crit Think</td>
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<tr>
<td><strong>Total</strong></td>
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Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>NURS 2A (V) The Maternity Cycle</td>
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<tr>
<td>NURS 2B (V) Common Health Problems I</td>
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<td>NURS 2C (V) Pharmacology II</td>
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Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Humanities Elective</td>
<td>3</td>
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<tr>
<td>NURS 3A (R) Common Health Problems II</td>
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<tr>
<td>NURS 3B (R) Common Health Problems III</td>
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Second Semester

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>SPCH 1 Oral Communication</td>
<td>3</td>
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<tr>
<td>PSYCH 1A Intro to Psychology</td>
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<tr>
<td>ANAT 6 Anatomy &amp; Physiology for Health Occupations</td>
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Pre-Clinical Requirements

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</tr>
<tr>
<td>NURS 1B (V) Softball, Coed</td>
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</tr>
<tr>
<td>NURS 1C (V) Pharmacology I</td>
<td>1.5</td>
</tr>
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<td>NURS 3C (V) Patient Care Mgmt &amp; Crit Think</td>
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<tr>
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<table>
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</table>

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 35 Develop Psych: Conception to Death</td>
<td>3</td>
</tr>
<tr>
<td>NURS 1A (V) Intro to Patient Care I</td>
<td>4</td>
</tr>
<tr>
<td>NURS 1B (V) Softball, Coed</td>
<td>2</td>
</tr>
<tr>
<td>NURS 1C (V) Pharmacology I</td>
<td>1.5</td>
</tr>
<tr>
<td>NURS 3C (V) Patient Care Mgmt &amp; Crit Think</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 2A (V) Maternity Cycle</td>
<td>5.5</td>
</tr>
<tr>
<td>NURS 2B (V) Common Health Problems I</td>
<td>5.5</td>
</tr>
<tr>
<td>NURS 2C (V) Pharmacology II</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>NURS 3A (R) Common Health Problems II</td>
<td>6.5</td>
</tr>
<tr>
<td>NURS 3B (R) Common Health Problems III</td>
<td>6.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>
### General Catalog 2001-2002

#### Imperial Valley College

**Intercollegiate Soccer & PE** .................................... 2  
**Pe 43ab**  
**Pe 44**  
**Pe 51**  
**Pe 52**  
**Pe 53ab**  
**Pe 56**  
**Pe 59**  
**Pe 62ab**  

**Three twenty-five units required from ENV MA PHYS4A MAT1210 MA MA ASTR PE53AB PE52AB PE43AB PE42AB**

**Five units from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1B</td>
<td>General Inorganic Chemistry</td>
</tr>
<tr>
<td>CHEM 12A</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Theory of Baseball</td>
</tr>
<tr>
<td>MATH 53AB</td>
<td>Theory of Basketball, Coed.</td>
</tr>
<tr>
<td>PHYS 56</td>
<td>Introduction to Athletic Training</td>
</tr>
<tr>
<td>PHYS 59</td>
<td>Psychology of Coaching</td>
</tr>
<tr>
<td>PHYS 62AB</td>
<td>PE for Special Olympics</td>
</tr>
</tbody>
</table>

**Physical Science (Major Code: 0720)**

Forty units required for the major:

1. Thirty-five units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1A</td>
<td>General Inorganic Chemistry</td>
</tr>
<tr>
<td>CHEM 1B</td>
<td>General Inorganic Chemistry</td>
</tr>
<tr>
<td>MATH 192</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 194</td>
<td>Calculus II</td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>Principles of Physics</td>
</tr>
<tr>
<td>PHYS 4B</td>
<td>Principles of Physics</td>
</tr>
<tr>
<td>PHYS 4C</td>
<td>Principles of Physics</td>
</tr>
</tbody>
</table>

2. Five units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTR 21</td>
<td>Principles of Astronomy</td>
</tr>
<tr>
<td>CHEM 12A</td>
<td>General Organic Chemistry</td>
</tr>
<tr>
<td>CHEM 12B</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>CIS 15</td>
<td>Programming in FORTRAN</td>
</tr>
<tr>
<td>ENV 5/6/7</td>
<td>Env. &amp; His Environment</td>
</tr>
<tr>
<td>GRIOD 1</td>
<td>Physical Geography</td>
</tr>
<tr>
<td>MATH 120</td>
<td>Introductory Statistics with Applications</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Programming in FORTRAN</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus I &amp; Diff Equations</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Elem Differential Equations</td>
</tr>
<tr>
<td>MATH 230</td>
<td>Intro to Linear Algebra with Applications</td>
</tr>
</tbody>
</table>

**Pre-Engineering (Major Code: 0604)**

Forty-three units required for the major:

1. Twenty-five units required from

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1A</td>
<td>General Inorganic Chemistry</td>
</tr>
<tr>
<td>MATH 192</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MATH 194</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Calculus III</td>
</tr>
<tr>
<td>PHYS 4A</td>
<td>Principles of Physics</td>
</tr>
</tbody>
</table>

2. Three units from:

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

3. Ten units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1B</td>
<td>General Inorganic Chemistry</td>
</tr>
<tr>
<td>PHYS 4B</td>
<td>General Physics</td>
</tr>
<tr>
<td>PHYS 4C</td>
<td>General Physics</td>
</tr>
</tbody>
</table>

### Imperial Valley College

**Real Estate (Major Code: 0212)**

Eighteen units required for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1B</td>
<td>General Inorganic Chemistry</td>
</tr>
<tr>
<td>CHEM 12A</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>MATH 12B</td>
<td>Theory of Baseball</td>
</tr>
<tr>
<td>MATH 53AB</td>
<td>Theory of Basketball, Coed.</td>
</tr>
<tr>
<td>PHYS 56</td>
<td>Introduction to Athletic Training</td>
</tr>
<tr>
<td>PHYS 59</td>
<td>Psychology of Coaching</td>
</tr>
<tr>
<td>PHYS 62AB</td>
<td>PE for Special Olympics</td>
</tr>
</tbody>
</table>

**PHYSICAL SCIENCE (Major Code: 0720)**

Forty units required for the major:

1. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 90</td>
<td>Real Estate Principles</td>
</tr>
<tr>
<td>BUS 91</td>
<td>Real Estate Practices</td>
</tr>
<tr>
<td>BUS 92A</td>
<td>Legal Aspects of Real Estate</td>
</tr>
<tr>
<td>BUS 93</td>
<td>Real Estate Finance</td>
</tr>
<tr>
<td>BUS 94A</td>
<td>Real Estate Appraisal</td>
</tr>
<tr>
<td>BUS 95</td>
<td>Real Estate Economics</td>
</tr>
</tbody>
</table>

**Recreation (Major Code: 0312)**

Eighteen units required for the major:

1. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 70</td>
<td>Introduction to Leisure</td>
</tr>
<tr>
<td>REC 71</td>
<td>Social Recreation</td>
</tr>
<tr>
<td>REC 72</td>
<td>Outdoor Recreation</td>
</tr>
<tr>
<td>REC 73</td>
<td>Recreation for Special Groups</td>
</tr>
</tbody>
</table>

Two (or 3 units to be selected from the following courses):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 22A</td>
<td>Design</td>
</tr>
<tr>
<td>PE 6ABCD</td>
<td>Lifeguard Training/Advanced Lifesaving</td>
</tr>
<tr>
<td>PE 95</td>
<td>Sports Offerizations</td>
</tr>
<tr>
<td>PE 61</td>
<td>PE in the Elementary School</td>
</tr>
<tr>
<td>PE 62AB</td>
<td>PE for Special Olympics</td>
</tr>
</tbody>
</table>

2. Acceptable courses for the major (2 or 3 units to be selected from the following courses):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 3ABCD</td>
<td>Physical Fitness, Women</td>
</tr>
<tr>
<td>PE 5ABCD</td>
<td>Badminton, Coed</td>
</tr>
<tr>
<td>PE 5ABCD</td>
<td>Swimming, Coed</td>
</tr>
<tr>
<td>PE 10ABCD</td>
<td>Team Sports</td>
</tr>
<tr>
<td>PE 11ABCD</td>
<td>Volleyball, Coed</td>
</tr>
<tr>
<td>PE 12ABCD</td>
<td>Tennis, Coed</td>
</tr>
<tr>
<td>PE 14ABCD</td>
<td>Adv. Volleyball, Coed</td>
</tr>
<tr>
<td>PE 17ABCD</td>
<td>Physical Fitness, Coed</td>
</tr>
<tr>
<td>PE 20ABCD</td>
<td>Softball, Coed</td>
</tr>
<tr>
<td>PE 21ABCD</td>
<td>Basketball for Women</td>
</tr>
<tr>
<td>PE 24ABCD</td>
<td>Basketball for Men</td>
</tr>
<tr>
<td>PE 29ABCD</td>
<td>Jazz Dance, Coed</td>
</tr>
</tbody>
</table>

### Imperial Valley College

**Real Estate (Major Code: 0212)**

Eighteen units required for the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1B</td>
<td>General Inorganic Chemistry</td>
</tr>
<tr>
<td>CHEM 12A</td>
<td>Organic Chemistry</td>
</tr>
<tr>
<td>MATH 12B</td>
<td>Theory of Baseball</td>
</tr>
<tr>
<td>MATH 53AB</td>
<td>Theory of Basketball, Coed.</td>
</tr>
<tr>
<td>PHYS 56</td>
<td>Introduction to Athletic Training</td>
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<tr>
<td>PHYS 59</td>
<td>Psychology of Coaching</td>
</tr>
<tr>
<td>PHYS 62AB</td>
<td>PE for Special Olympics</td>
</tr>
</tbody>
</table>

**Psychology (Major Code: 0103)**

Twenty-one units required for the major:

1. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 1A</td>
<td>Intro to Psychology</td>
</tr>
<tr>
<td>PSYCH 1B</td>
<td>Learning</td>
</tr>
<tr>
<td>PSYCH 2</td>
<td>Biological Psychology</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>
</tr>
</thead>
<tbody>
<tr>
<td>PSYCH 3</td>
<td>Psych of Adjustment</td>
</tr>
<tr>
<td>PSYCH 4</td>
<td>Psych of Human Sexuality</td>
</tr>
<tr>
<td>PSYCH 6</td>
<td>Current Issues in Psychology</td>
</tr>
<tr>
<td>PSYCH 9</td>
<td>Intro to Counseling</td>
</tr>
<tr>
<td>PSYCH100</td>
<td>Principles of Psychology I</td>
</tr>
<tr>
<td>PSYCH101</td>
<td>Principles of Psychology II</td>
</tr>
<tr>
<td>PSYCH102</td>
<td>Principles of Psychology III</td>
</tr>
</tbody>
</table>

2. Acceptable courses for the major (2 or 3 units to be selected from the following courses):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 3ABCD</td>
<td>Physical Fitness, Women</td>
</tr>
<tr>
<td>PE 5ABCD</td>
<td>Badminton, Coed</td>
</tr>
<tr>
<td>PE 5ABCD</td>
<td>Swimming, Coed</td>
</tr>
<tr>
<td>PE 10ABCD</td>
<td>Team Sports</td>
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<td>PE 11ABCD</td>
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<tr>
<td>PE 12ABCD</td>
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<tr>
<td>PE 14ABCD</td>
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<tr>
<td>PE 17ABCD</td>
<td>Physical Fitness, Coed</td>
</tr>
<tr>
<td>PE 20ABCD</td>
<td>Softball, Coed</td>
</tr>
<tr>
<td>PE 21ABCD</td>
<td>Basketball for Women</td>
</tr>
<tr>
<td>PE 24ABCD</td>
<td>Basketball for Men</td>
</tr>
<tr>
<td>PE 29ABCD</td>
<td>Jazz Dance, Coed</td>
</tr>
</tbody>
</table>

### Imperial Valley College

**Rehabilitation Technician for the Disabled (Major Code: 1103)**

Eighteen units required for the major:

1. Required courses for the major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSPS 1</td>
<td>Understanding Excep. Students</td>
</tr>
</tbody>
</table>

**Social Science (Major Code: 0906)**

I. Required courses for the major

The requirements for a major in Social Science may be satisfied by taking 18 units from the following list to include at least one course from three of the seven fields:

- **Anthropology**
  - ANTH 1 Physical Anthropology
  - ANTH 2 Cultural Anthropology
  - ANTH 3A Intro to Arch Surveying
  - ANTH 3B Intro to Arch Excavations
  - ANTH 4 California Indians
  - ANTH 6 Indians of North America

- **Economics**
  - ECON 1 Principles of Economics
  - ECON 2 Principles of Economics

- **Geography**
  - GEOG 1 Physical Geography
  - GEOG 2 Cultural Geography

- **History**
  - HIST 4A Hist of Western Civilization
  - HIST 4B Hist of Western Civilization
| SPAN 20A | Bilingual Spanish | 5 |
| SPAN 20B | Bilingual Spanish | 5 |
| SPAN 23 | Bilingual Oral Spanish | 5 |
| SPAN 25 | Intro to Spanish American Lit | 5 |
| SPAN 27 | Spanish Reading and Writing | 5 |
| SPAN 42 | Intro to Mexican American Studies | 5 |

II. Acceptable courses for the major (select a minimum of 3 units from the following courses)

- MUS 29ABCD Estadística
- SPAN 23 Bilingual Oral Spanish
- SPAN 25 Intro to Spanish American Lit
- SPAN 26 Intro to Trans & Inter
- SPAN 28A The Mexican American in Lit
- SPAN 28B The Mexican American in Lit
- SPAN 42 Intro to Mexican American Studies

*Completion of SPAN 21 and SPAN 1B is equivalent to SPAN 1 and completion of SPAN 2A and SPAN 2B is equivalent to SPAN 2.

<table>
<thead>
<tr>
<th>TRANSFER STUDIES</th>
<th>MAJOR CODE: 0218</th>
</tr>
</thead>
</table>

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, IGETC, or approved TAG contract for UCSD

**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

<table>
<thead>
<tr>
<th>WATER TREATMENT TECHNOLOGY</th>
<th>MAJOR CODE: 1888</th>
</tr>
</thead>
</table>

Thirty-two units required for the major

I. Required courses for the major

- SPAN 20A Intermediate Spanish | 5 |
- SPAN 20B Intermediate Spanish | 5 |
- SPAN 21B Spanish Reading and Writing | 5 |
- SPAN 42B Intermediate Spanish | 5 |

II. Acceptable courses for the major (select a minimum of 5 units from the following courses)

- MUS 29ABCD Estadística
- SPAN 23 Bilingual Oral Spanish
- SPAN 25 Intro to Spanish American Lit
- SPAN 26 Intro to Trans & Inter
- SPAN 28A The Mexican American in Lit
- SPAN 28B The Mexican American in Lit
- SPAN 42 Intro to Mexican American Studies

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</thead>
</table>

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<table>
<thead>
<tr>
<th>WATER TREATMENT TECHNOLOGY</th>
<th>MAJOR CODE: 1888</th>
</tr>
</thead>
</table>

Thirty-two units required for the major

I. Required courses for the major

- SPAN 20A Intermediate Spanish | 5 |
- SPAN 20B Intermediate Spanish | 5 |
- SPAN 21B Spanish Reading and Writing | 5 |
- SPAN 42B Intermediate Spanish | 5 |

II. Acceptable courses for the major (select a minimum of 5 units from the following courses)

- MUS 29ABCD Estadística
- SPAN 23 Bilingual Oral Spanish
- SPAN 25 Intro to Spanish American Lit
- SPAN 26 Intro to Trans & Inter
- SPAN 28A The Mexican American in Lit
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<tr>
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</table>

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:

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- Complete 60 transferable units
- Complete requirements for one of the following: CSU General Education, IGETC, or approved TAG contract for UCSD

**MUST SEE A COUNSELOR TO COMPLETE THIS MAJOR**

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COMPLETION OF THIS MAJOR DOES NOT GUARANTEE ADMISSION TO ANOTHER COLLEGE OR UNIVERSITY

<table>
<thead>
<tr>
<th>WATER TREATMENT TECHNOLOGY</th>
<th>MAJOR CODE: 1888</th>
</tr>
</thead>
</table>

Thirty-two units required for the major

I. Required courses for the major

- SPAN 20A Intermediate Spanish | 5 |
- SPAN 20B Intermediate Spanish | 5 |
- SPAN 21B Spanish Reading and Writing | 5 |
- SPAN 42B Intermediate Spanish | 5 |

II. Acceptable courses for the major (select a minimum of 5 units from the following courses)

- MUS 29ABCD Estadística
- SPAN 23 Bilingual Oral Spanish
- SPAN 25 Intro to Spanish American Lit
- SPAN 26 Intro to Trans & Inter
- SPAN 28A The Mexican American in Lit
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<tr>
<th>TRANSFER STUDIES</th>
<th>MAJOR CODE: 0218</th>
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</thead>
</table>

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:

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- Complete 60 transferable units
- Complete requirements for one of the following: CSU General Education, IGETC, or approved TAG contract for UCSD

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COMPLETION OF THIS MAJOR DOES NOT GUARANTEE ADMISSION TO ANOTHER COLLEGE OR UNIVERSITY

<table>
<thead>
<tr>
<th>WATER TREATMENT TECHNOLOGY</th>
<th>MAJOR CODE: 1888</th>
</tr>
</thead>
</table>

Thirty-two units required for the major

I. Required courses for the major

- SPAN 20A Intermediate Spanish | 5 |
- SPAN 20B Intermediate Spanish | 5 |
- SPAN 21B Spanish Reading and Writing | 5 |
- SPAN 42B Intermediate Spanish | 5 |

II. Acceptable courses for the major (select a minimum of 5 units from the following courses)

- MUS 29ABCD Estadística
- SPAN 23 Bilingual Oral Spanish
- SPAN 25 Intro to Spanish American Lit
- SPAN 26 Intro to Trans & Inter
- SPAN 28A The Mexican American in Lit
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*Completion of SPAN 21 and SPAN 1B is equivalent to SPAN 1 and completion of SPAN 2A and SPAN 2B is equivalent to SPAN 2.
Twenty-seven units required for the certificate

AUTOMOTIVE TECHNOLOGY courses must be completed with a grade of "C" or better.

I. Required courses for the certificate

- AUTO T 58 Automotive Air-Conditioning ............................................. 3
- AUTO T 60 Automotive Electronics I ................................................. 3
- AUTO T 62 Automotive Electronics II ................................................ 4

I. Required courses for the certificate

- AUTO T 52 Manual Transmissions & Power Trains ................................ 4
- AUTO T 61A Automatic Transmissions ............................................... 4
- MATH 070 Basic Math or Equivalent .................................................. 3

II. Recommended courses for the certificate

- AUTO T 51 Engineering Technology ................................................... 4
- AUTO T 52 Manual Trans & Power Trains ............................................. 4
- AUTO T 53A Automotive Brakes .......................................................... 0
- AUTO T 53B Suspension & Wheel Alignment ......................................... 4
- AUTO T 54A Engine Performance I ..................................................... 4
- AUTO T 54B Engine Performance II ..................................................... 4
- AUTO T 54C Engine Performance III ................................................... 4
- AUTO T 55 Automotive Air ............................................................... 5
- AUTO T 60 Automotive Electronics I .................................................. 3
- AUTO T 61A Automatic Transmissions ............................................... 4
- AUTO T 62 Automotive Electronics II ................................................ 4

II. Recommended courses for the certificate (Not required)

- CIS 23 or 26 Computer Literacy or Windows ....................................... 1/1
- MATH 070 Basic Mathematics ................................................................
- WELD 31 Basic Welding ..................................................................... 5
- WIREC Work Helper Course ................................................................ 1
- WIREB Occupational Work Exp ......................................................... 1

*Student must satisfy the Imperial Valley College mathematics competency requirements for the certificate.

The following courses may be substituted for any of the above required courses except AUTO T 70 & AUTO T 71:

- WELD 35 Automotive Air-Conditioning .............................................. 3

AUTOMOTIVE ELECTRONICS

(CERTIFICATE CODE: 9204)

AUTOMOTIVE TECHNOLOGY COURSES MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

I. Required courses for the certificate

- BUS 29A Basic Math equivalent ......................................................... 3
- BUS 51 Microcomputer Keyboarding ................................................. 4
- CIS 23 Computer Literacy .................................................................. 1
- CIS 37A Spreadsheet Excel ............................................................... 1

II. Recommended courses for the certificate

- BUS 29A Basic Math equivalent ......................................................... 3
- BUS 51 Microcomputer Keyboarding ................................................. 4
- CIS 23 Computer Literacy .................................................................. 1
- CIS 37A Spreadsheet Excel ............................................................... 1
- EC01 Principles of Economics ............................................................ 3
- WDBC Occupational Work Exp ......................................................... 1

*Highly recommended for this certificate.
Twenty-six units and skill level required for the certificate

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "CR", "C" OR BETTER

I. Required courses for the certificate
BUS 1A** Principles of Financial Accounting........... 4
BUS 2 Introduction to Business................................. 3
BUS 23 Machine Calculation........................................ 3
BUS 3 Business Management....................................... 3
BUS 29A Weed Processing........................................... 3
CIS 1 Intro to Information Systems............................. 1
CIS 3 Microcomputer Accounting............................... 1.5
CIS 3A Spreadsheet: Excel........................................ 1
CIS 3B Spreadsheet: Excel........................................ 1
WEOCC Work Exp Coord Class.................................... 1
WEOCC Work Exp Coord Class.................................... 1

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

II. Required skill level for the certificate

Bussinees knowledge level 40 swpm. (BUS 25AB. Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)

BUSINESS OFFICE TECHNOLOGIES: ADMINISTRATIVE ASSISTANT (CERTIFICATE CODE: 5057)
Thirty-one and half units and skill level required for the certificate

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "CR", "C" OR BETTER

I. Required courses for the certificate
BUS 1A Principles of Financial Accounting........... 4
BUS 1B Principles of Financial Accounting........... 4
BUS 2 Business and the Legal Environment............ 3
BUS 7 Human Relations in Management.................... 3
BUS 23 Machine Calculation........................................ 3
BUS 29A Weed Processing........................................... 3
BUS 30 Technology for the Modern Office................. 3
BUS 32 Office Transcriptions.................................... 1.5
BUS 38 Business Communications............................ 3
CIS 1 Intro to Information Systems............................. 1
CIS 3 Microcomputer Accounting............................... 1.5
CIS 3A Spreadsheet: Excel........................................ 1
CIS 3B Spreadsheet: Excel........................................ 1
WEOCC Work Exp Coord Class.................................... 1
WEOCC Work Exp Coord Class.................................... 1

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

II. Required skill level for the certificate

Keyboarding skill level 50 swpm. (BUS 25AC, Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)
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ELECTRONICS
(CERTIFICATE CODE: 5126)

Fourteen units required for the certificate.

- ELTRN 1A Basic Electricity & Electronics 4
- ELTRN 1B Electronics 4
- ELTRN 2A Adv Electrons 3
- ELTRN 2B Adv Electrons 3

EMERGENCY MEDICAL TECHNICIAN I
(CERTIFICATE CODE: 5130)

Seven and one-half units required for the certificate

- EMT 100 Emergency Medical Tech 1 7.5

EMERGENCY MEDICAL TECHNICIAN II
(CERTIFICATE CODE: 5131)

Twelve units required for the certificate

- EMT 2A Emergency Medical Tech 2A 7
- EMT 2B Emergency Medical Tech 2B 5

EMERGENCY MEDICAL TECHNICIAN PARAMEDIC
(CERTIFICATE CODE: 5132)

Successful completion of application process. Acceptance into program by EMT Training Coordinator. EMT Training Medical Director, and Contact Nursing Division for specific requirements.

- EMT-P D1 EMT Paramedic: Didactic 1 8
- EMT-P D2 EMT Paramedic: Didactic 2 8
- EMT-P C1 EMT Paramedic: Clinical 1 3
- EMT-P C2 EMT Paramedic: Clinical 2 2
- EMT-P F1 EMT Paramedic: Field 1 9.5
- EMT-P F2 EMT Paramedic: Field 2 8

ENGINE MACHINIST
(CERTIFICATE CODE: 5026)

AUTO TECHNOLOGY COURSES MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

1. Required sixteenth units for the certificate

- AUTO T 51 Engine Technology 4
- AUTO T 55 Automotive Machine Shop 4
- MATH 070 Basic Math or equivalent 4
- WELD 31 Basic Welding 5

ENGINE PERFORMANCE
(CERTIFICATE CODE: 5021)

AUTO TECHNOLOGY COURSES MUST BE COMPLETED WITH A GRADE OF "C" OR BETTER.

1. Required twelve units for the certificate

- AUTO T 56 Hvac Technology 3
- AUTO T 58 Automotive Heating 3
- AUTO T 548 Engine Performance I 3
- AUTO T 54C Engine Performance III 3

FIELD ARCHAEOLOGY
(CERTIFICATE CODE: 5800)

Twenty-four to twenty-five units and 100 hours of field work required for the certificate.

1. Required sixteenth units for the certificate

- ANTH 1 Physical Anthropology 3
- ANTH 2 Cultural Anthropology 3
- ANTH 9A Intro to Archaeology Survey 3
- ANTH 9B Intro to Archaeological 3
- ANTH 9C Adv Archaeological Survey 3
- ANTH 9D Adv Archeological Excavations 3
- ANTH 9E California Indians 3

Three units to be selected from the following courses

- BIOL 3 Principles of Biological Science 4
- GEOL 1 Physical Geology 3
- ZOOL 1A General Zoology 4
- ZOOL 1B General Zoology 4

Field Archaeology

Two units required for the certificate

- ZOOL 1A General Zoology 4
- ZOOL 1B General Zoology 4

HEALTH ASSISTANT
(CERTIFICATE CODE: 5190)

Five units required for the certificate

- HT 15 Health Assistant 5

HEMODYNAMICS TECHNICIAN
(CERTIFICATE CODE: 5192)

Ten units required for certificate

- HT 18 Hemodynamics Technician I 4
- HT 19 Hemodynamics Technician II 6
One and one-half units required for the certificate

HA 16 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 units required for the certificate

I. Required courses for the certificate

PSYCH 1A Intro to Psychology .................................. 3
PSYCH 3 Psychology of Adjustment .......................... 3
PSYCH 9 Praxis .................................................. 3
ADS 9 Intro to Counseling ...................................... 3
PSYCH/SOC/ED 11A Intro to Education ................. 3
SOC 1 Introductory Sociology .................................. 3

II. With the approval of a student 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 up to 9 units from the list below:

ANTH 2 Cultural Anthropology ................................ 3
BUS 6 Management Concepts of Supervision ............ 3
BUS 7 Human Relations in Management ..................... 3
CIS 1 Intro to Information Systems .......................... 3
ECCE 26 Principles of Parenting ................................. 3
H REL 8 Personal & Career Development ..................... 3
PSYCH 1B Learning ............................................. 3
PSYCH 2 Biological Psychology ................................. 3
PSYCH 5 Psych of Effective Behavior ......................... 3
MATH 120 Introductory Statistics with Applications .... 3
PSYCH/SOC/ED 15 Dynamics of Drug Use ..................... 3
PSYCH 16 The Psych of Interpersonal Relation .......... 3
PSYCH/SOC 17 Social Psychology ............................. 3
PSYCH 18 Research Methods in Psychology .............. 3
PSYCH/SOC 20 The Psych of Childhood ....................... 3
PSYCH 30 Psychology of Adolescence ......................... 3
PSYCH 35 Developmental Psychology ......................... 3
PSYCH 40 Intro to Crisis Counseling ........................ 3
SOC 2 Contemporary Social Problems ......................... 3

LEGAL ASSISTANT
(CERTIFICATE CODE: 5230)

Twenty-four units required for the certificate

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "CR", "C" OR BETTER

I. Required courses for the certificate

AJ 2 CCS12 Concepts of Criminal Law ......................... 3
BUS 5 Bus & the Legal Environment .......................... 3
LEGAL 21 Legal Research ......................................... 3
LEGAL 22 Civil Procedures & Family Law ..................... 3
LEGAL 23 Civil Discovery & Torts .............................. 3
LEGAL 24 Corporations & Bankruptcy .......................... 3
LEGAL 25 Real Estate Law for Legal Assistants ............. 3
LEGAL 26 Will-Trusts-Probate and Estate Admin ............ 3

LIBRARY TECHNICIAN
(CERTIFICATE CODE: 5240)

Fifteen 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

LIBRARY 51 Intro to Library Science .......................... 3
LIBRARY 52 Library Technical Services ......................... 3
LIBRARY 53 Library Public Services ............................. 3
LIBRARY 54 Introduction to Media Services .................... 3
LIBRARY 56 Information and Reference Services ............. 3

II. Suggested additional courses

BUS 7 Human Relations in Management ....................... 3
BUS 30 Beginning Keyboarding .................................. 3
CIS 23 Computer Literacy ....................................... 3
WEOCC Work Exper Cred Class ................................ 1
WEOCC Work Exper Cred Class ................................. 1
WEOCC Work Exper Cred Class ................................ 1
WEOCC Work Exper Cred Class ................cheid 3

MEDICAL ASSISTANT
(CERTIFICATE CODE: 5185)

Twenty-six and one-half units required for the certificate

Required courses for the certificate

HT 3 Medical Terminology ....................................... 3
HA 18 Administrative Medical Assistant 1 .................. 4.5
HA 19 Administrative Medical Assistant II .................. 4.5
HA 20 Specimen Collect & Lab Procedures ..................... 3.5
HA 21 Exam Room Procedures .................................. 3.5
HA 22 Pharmacology & Admin of Medication ................ 3.5
HA 23 Clinical Externship ....................................... 3.5

MEDICAL OFFICE ASSISTANT
(CERTIFICATE CODE: 5218)

Twelve units required for certificate.

I. Required courses for the certificate

HA 18 Administrative Medical Assistant 1 ................. 4.5
HA 19 Administrative Medical Assistant II ................. 4.5

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NUTRITION MANAGEMENT DIETARY MANAGER
(CERTIFICATE CODE: 5256)

Twenty-four units required for certificate

Courses required for a Certificate of Achievement by the State of California, Department of Health Services, Licensing and Certification Division. Students must achieve a minimum grade of "C" in each of the required courses.

NUTR 1 Sanitation & Safety Control .......................... 3
NUTR 2 Foundations of Nutrition ............................... 3
NUTR 3 Food Production Management .......................... 3
NUTR 4 Supervision for Food Services .......................... 3
NUTR 7 Intro to Hospitality & Food Services ..................... 3
NUTR 8 Menu Planning & Purchasing ............................ 3

Plan following:

NUTR 5 Modified Diets ........................................... 3
NUTR 6A Field Experience ......................................... 3

NUTRITION MANAGEMENT SCHOOL FOOD SERVICES MANAGER
(CERTIFICATE CODE: 5255)

Twenty-one units required for the certificate

Courses required for a Certificate of Achievement by the State of California, Department of Health Services, Licensing and Certification Division. Students must achieve a minimum grade of "C" in each of the required courses.

NUTR 1 Sanitation & Safety Control .......................... 3
NUTR 2 Foundations of Nutrition ............................... 3
NUTR 3 Food Production Management .......................... 3
NUTR 4 Supervision for Food Services .......................... 3
NUTR 7 Intro to Hospitality & Food Services ..................... 3
NUTR 8 Menu Planning & Purchasing ............................ 3

Plan following:

NUTR 5 Modified Diets ........................................... 3
NUTR 6A Field Experience ......................................... 3

RECREATION
(CERTIFICATE CODE: 5270)

Eighteen units required for the certificate

I. Required courses for the certificate

REC 70 Introduction to Leisure ................................ 3
REC 71 Social Recreation ....................................... 3
REC 72 Outdoor Recreation ..................................... 3
REC 73 Recreation for Special Groups ......................... 4

PE 61AABCD Lifeguard Training/Advanced ..................... 3
PE 59 Sports Officiating ........................................ 2
PE 61 PE in the Elementary School ............................. 3
PE 62AB PE for Special Olympics ............................... 3

II. Acceptable courses for the certificate (2 or 3 units to be selected from the following courses)

ART 22A Design .................................................. 3
ART 60AABCD Lifeguard Training/Advanced ................. 3
ART 59 Sports Officiating ........................................ 2
ART 59 Sports Officiating ........................................ 2
ART 61AABCD Lifeguard Training/Advanced ................. 3
ART 59 Sports Officiating ........................................ 2
ART 59 Sports Officiating ........................................ 2
ART 61AABCD Lifeguard Training/Advanced ................. 3
ART 59 Sports Officiating ........................................ 2
**Rehabilitation Technician for the Disabled (Certificate Code: 5280)**

Eighteen units required for the certificate.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Required courses for the certificate:</td>
<td></td>
</tr>
<tr>
<td>DPPS 1A</td>
<td>3</td>
</tr>
<tr>
<td>DPPS 2A</td>
<td>2</td>
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<tr>
<td>PSYCH 1A</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 5</td>
<td>3</td>
</tr>
<tr>
<td>II. A minimum of 6 units must be taken from Section II:</td>
<td></td>
</tr>
<tr>
<td>AMI 10</td>
<td>3</td>
</tr>
<tr>
<td>AMI 11</td>
<td>4</td>
</tr>
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<td>AMI 12</td>
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<td>AMI 13</td>
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<td>AMI 14</td>
<td>3</td>
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<tr>
<td>AMI 16A</td>
<td>3</td>
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<tr>
<td>AMI 16B</td>
<td>3</td>
</tr>
<tr>
<td>DPPS 33</td>
<td>3</td>
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<tr>
<td>DPPS 34</td>
<td>3</td>
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<td>DPPS 40</td>
<td>3</td>
</tr>
<tr>
<td>DPPS 41</td>
<td>3</td>
</tr>
<tr>
<td>HA 15</td>
<td>3</td>
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<tr>
<td>III. Additional units to complete the major may be utilized from the courses under Section III</td>
<td></td>
</tr>
<tr>
<td>PE 62A</td>
<td>3</td>
</tr>
<tr>
<td>DPPS 2B</td>
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<tr>
<td>PSYCH 3</td>
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<td>PSYCH 9</td>
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<td>AD 9</td>
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<tr>
<td>PSYCH 17</td>
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</tr>
<tr>
<td>SOC 17</td>
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<tr>
<td>BCD/PSYCH 20</td>
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</tr>
<tr>
<td>REC 73</td>
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</tr>
<tr>
<td>SOC 1</td>
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</tr>
<tr>
<td>SOC 2</td>
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</tbody>
</table>

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**Vocational Nursing (Certificate Code: 5380)**

Fifty-three units required for the certificate.

<table>
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<th>Course</th>
<th>Units</th>
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</thead>
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<tr>
<td>Pre-Admission Requirements:</td>
<td></td>
</tr>
<tr>
<td>ENGL 1A</td>
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<tr>
<td>TOTAL</td>
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</tr>
<tr>
<td>Pre-Clinical Requirements:</td>
<td></td>
</tr>
<tr>
<td>HT 3</td>
<td>3</td>
</tr>
<tr>
<td>PSYCH 1A</td>
<td>3</td>
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<tr>
<td>ANAT 6</td>
<td>3</td>
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<tr>
<td>TOTAL</td>
<td>9</td>
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<td>First Semester:</td>
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<tr>
<td>PSYCH 35</td>
<td>3</td>
</tr>
<tr>
<td>NURS 1A (V)</td>
<td>4</td>
</tr>
<tr>
<td>NURS 1B (V)</td>
<td>4</td>
</tr>
<tr>
<td>NURS 3C (V)</td>
<td>2.5</td>
</tr>
<tr>
<td>TOTAL</td>
<td>15</td>
</tr>
</tbody>
</table>
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