

IMPERIAL VALLEY COLLEGE

ACCREDITED

by

Accrediting Commission for Community and Junior Colleges of the

Novato,(C 94949e)Tj0.472 -1.2 TD-0.0013 Tc0 Tw(415) 506- .024y

TABLE OF CONTENTS

PERSONNEL

Welcome 4

Board of Trustees 5

Administration, Instructional Divisions 6

Faculty 147

COLLEGE CALENDAR 7

GENERAL INFORMATION

History of IVC 9

Mission 11

Academic Freedom Statement 11

Types of Courses and Programs 11

V.....-(.....p hoo TD52 08(tud0 Ts TD56.....53.....1D442..c(328951546_53w.5.Tw[(.E



Imperial Valley College Welcomes You

Opening the IVC Catalog is like opening the window to a chance of a lifetime. You will find a variety of programs and services of higher learning, rich in both breadth and depth. This year we added more programs to address the economic diversification of our community, such as air-conditioning and refrigeration, construction, electricity, and hospitality.

Our Board of Trustees, administration, faculty, and staff are interested in providing you with an excellent education to assist you in achieving your educational and career goals. Ask for programs that will address your specific needs, and we will do everything possible to provide you access. If you are graduating from high school, and are ready for college English and mathematics, you may be qualified for the ASPIRE Program that grants you registration priority and transfer-focused counseling.

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

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

Paul Pai, Ed.D.
Superintendent/President

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

MR. CARLOS ACUÑA

Trustee from area which includes Central Union High School District

MR. RUDY CARDENAS, JR.

Trustee from area which includes Brawley Union High School District

MR. KELLY KEITHLY

Trustee from area which includes Holtville Unified School District

MRS. MARIAN A. LONG

Trustee from area which includes Imperial Unified School District

MR. ROMUALDO MEDINA

Trustee from area which includes Calipatria Unified School District

MS. REBECCA L. RAMIREZ

Trustee from area which includes San Pasqual Unified School District

MR. LOUIS WONG

Trustee from area which includes Calexico Unified School District



ADMINISTRATION

PAUL PAI, Ed.D.
Superintendent/President

EFRAIN SILVA
Dean of Instruction, Extended Campus

KENDRA JEFFCOAT, Ph.D.
Vice President for Academic Services

VACANT
Dean of Learning Services

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

KATHIE WESTERFIELD
Associate Dean of Admissions and Records

TOM HUDSON
Dean of Business Services

KATHY BERRY
Associate Dean of Nursing Education and Health Technologies

GONZALO HUERTA
Dean of Applied Sciences

MARION BOENHEIM, Ph.D.
Associate Dean of Human Resources/EEO

JAN MAGNO
Dean of Financial Aid and State Programs

TED CEASAR
Associate Dean of Disabled Student Programs & Services

INSTRUCTIONAL DIVISIONS

KRISTA BYRD
Division of Behavioral Science and Social Science

VALERIE RODGERS
Division of Business

DAVID ZIELINSKI
Division of English

NICHOLAS GEHLER
Division of Exercise Science, Wellness and Sport

TOM GILBERTSON
Division of Humanities

KATHY BERRY
Division of Nursing Education and Health Technologies

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

The College

THE COLLEGE

HISTORY OF IMPERIAL VALLEY COLLEGE

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FACILITIES

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

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

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

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

MISSION

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

ACADEMIC FREEDOM STATEMENT

The common good of society depends upon the search for knowledge and its free exposition. Academic freedom is essential to both these purposes and is the right of reasonable exercise of civil liberties and responsibilities in an academic setting. As such it protects each person's freedom to express opinions both inside and outside the classroom, to practice one's profession as teacher and scholar, librarian, or counselor, to carry out such scholarly and teaching activities as one believes will contribute to and disseminate knowledge, to express and disseminate the results of scholarly activities in



programs, and general interest areas.

Short-term job training and skill upgrading for a wide range of professional fields are offered. In some cases, students can earn continuing education units (CEU's), industry certification, or meet state and/or national professional examination preparation requirements. See the current Imperial Valley Class Schedule for course listings or go online at www.imperial.edu/community/

application to the program.

Group B: This group consist of applicants who have work in progress for English and/or Science requirements during the application process. Students will be selected from Group A prior to students in Group B.

Licensure-Upon successful completion of the Associate Degree Nursing Program, students will be eligible to apply to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) and, if performance on the examination is successful, will be licensed as a registered nurse.

Student's electing the non-degree 30-unit option as well as students who do not complete the requirements for the ADN but who successfully complete the required nursing and support courses are eligible to apply to the National Council Licensure Examination for Registered Nurses (NCLEX-RN) as a NON-DEGREE candidate, and if successful, will be licensed as an RN by the California Board of Registered Nursing. Endorsement of a non-degree RN in other states is questionable. **ONCE THE LICENSING EXAM IS TAKEN, STATUS CANNOT BE CHANGED, REGARDLESS OF SUBSEQUENT DEGREES EARNED.**

CREDIT BY EXAM. Academic credit by examination may be obtained by those whose prior education and/or experience provides the knowledge and skills required to meet the objectives of one or more courses. Students who believe they may be eligible for credit by examination should contact the Nursing Education Department for an appointment for special advising prior to submitting their application for admission to the program. For College policy regarding credit by examination, consult "Credit by Examination" in the Academic Information and Regulations section of this Catalog.

Upon completion of the eligibility requirements, separate theory and clinical performance examination will be administered for courses with a laboratory component. A written patient care plan is required in all theory and clinical courses. Completion of the written work with a grade of "C" or better is required prior to taking a clinical examination. Courses without a lab component will have a written examination only. A grade of "C" or better must be achieved. A maximum of 20 units may be obtained through credit by examination.

PROGRESSION POLICY. All courses must be taken in sequence. Each course within the major must be completed with a "C" or better to progress to the next level. All Skills and Clinical courses must be completed with a "S" or higher to progress to the next level. All supporting courses must be completed with a "C" or better prior to progression to the next level of nursing.

Associate Degree Nursing (ADN) Curriculum

For students entering the ADN program Fall 2004. All courses must be passed with a grade of "C" or better.

Pre Application Requirements

ENGL 101 English Composition 3.0 Units

BIOL 220 General Microbiology 5.0 Units

BIOL 200 Human Anatomy & Physiology I 4.0 Units

AND

BIOL 202 Human Anatomy & Physiology II 4.0 Units

OR

OR

PSY 101 General Psychology	3.0 Units
BIOL 090 Human Anatomy & Physiology for Health Occupations	3.0 Units
Semester One (1)	
VN 110 Intro to Patient Care I	5.0 Units
VN 112 Intro to Patient Care II	5.0 Units
VN 114 Pharmacology I	1.5 Units
VN 116 Patient Care Mgmt & Critical Thinking	2.5 Units
Semester Two (2)	
VN 122 Common Health Problems I	5.5 Units
VN 121 Maternity Cycle	5.5 Units
VN 124 Pharmacology II	2.0 Units
Semester Three (3)	
VN 130 Common Health Problems II	5.5 Units
VN 132 Common Health Problems III	5.5 Units

13. Work Experience

Work Experience is a cooperative educational program between Imperial Valley Community College and community employers. The college provides the organization, the coordination of class facilities, and the personnel for the program. The employers provide places to work (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.

DEGREES

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

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

SCHOLASTIC HONORS

Graduation Honors

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

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

President’s Honor List

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

FINANCIAL ASSISTANCE

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, Building 100.

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)	\$26.00 per unit
Foreign and Non-Resident Tuition	\$149.00 per unit
Student Representation Fee	\$1.00 per semester
Student Health Fee	\$14.00 per semester
Parking Fee	
First vehicle	\$15.00 per vehicle
(after late registration)	\$20.00 per vehicle
Each additional 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** is mandated by the California State Legislature, with the approval of the Governor and requires all California Community Colleges to charge students an Enrollment Fee each semester.

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

The **Parking Fee** provides administrative and operating funds for

parking and transportation-related facilities.

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

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

TUITION

Nonresidents and international students are required to pay tuition charges of \$149.00 per unit in addition to the fees outlined above.

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

OTHER FEES/CHARGES

Insufficient Funds Check Charge

There will be a charge of \$10.00 for checks returned to the college because of insufficient funds.

REFUND POLICY

Upon completion of a 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 late 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

Imperial Valley College is officially accredited by the Accrediting Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education, American Welding Society, California Association of Alcohol and Drug Educators, California Board of Registered Nursing, California Board of Vocational Nurse and Psychiatric Examiners, Commission on Accreditation of Allied Health Education Programs, Commission on Peace Officers Standards and Training, California State Department of Education, and National Academy of Early Childhood Programs. Accreditation reports are available and

may be reviewed at the office of the Superintendent/President.

COUNSELING SERVICES

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

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

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

STUDENT ACTIVITIES

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

Those students who are socially inclined will find an opportunity for the development of their interests in clubs and the social affairs of the year. Others who are interested in athletics will benefit from a variety of intercollegiate sports and those who are interested in music, pub-

2. There can be only one residence.
3. The residence can be changed only by the union of act and intent.
4. The residence of the parent with whom an unmarried minor child maintains his/her place of abode is the residence of the unmarried minor child. When the minor lives with neither parent, his/her residence is that of the parent with whom he/she maintained his/her last place of abode. The minor may establish his/her residence when both parents are deceased and a legal guardian has not been appointed.
5. The residence of an unmarried minor, who has a parent living, cannot be changed by his/her own act, by the appointment of a legal guardian, or by relinquishment of a parents' right of control, unless the student qualifies for the self-supporting exception.

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

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

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

4. Adult aliens not precluded from establishing domicile in the

4. Units and grades for the student will be recognized for the semester in which the class ends. Thus, if the class begins during the fall semester, crosses over and ends in the spring semester, the units and grades will be recorded for the spring semester.

REGISTRATION

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

SCHOLARSHIP GRADING SYSTEM

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

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

1. Grades

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

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

2. Incomplete Grade

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

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

3. Credit Grade

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

courses are the same as for the normal enrollment fees for the

- (4) Restitution, reimbursement for damage or misappropriation of property
- (5) Suspension or removal by instructor
- (6) Expulsion

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

IMPERIAL VALLEY COLLEGE



less than 2.0 in the last two consecutive semesters of enrollment and are eligible for certification of Veteran Benefits, you will be dismissed at the end of each semester as a veteran student (lose veteran certification) as required under Veterans Administration 38 CFR 1.22647 less than 3.0 at the end of each semester.

Students who have previously been placed on Lack-of-Progress (Lack of Progress) for two consecutive semesters will be dismissed.

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.

was accredited by one of the regional accreditation agencies recognized by the most current COPA edition.

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

III. INSTITUTIONAL REQUIREMENTS

A. American Institutions (Select One Option):

Option 1: Political Science 102 (Formerly Political Science 2)

AND

One course selected from: History 120

division.

2. Courses must be designated as recommended for lower division credit by the college or university.

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

TRANSFER REQUIREMENTS

Two principal requirements must be met in order to attain full junior standing at a California State University, 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 upper division 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 CATALOG OF THE INSTITUTION 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 are indicated by (CSU, UC) following the catalog description. Students are advised to contact their counselor to determine which specific courses are applicable to their educational objective.

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

CERTIFICATION OF CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH REQUIREMENTS

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

1. **Oral Communication** (One (1) course required)

SPCH 100

(31(E))TJ278620,HE ted -122 TD Universi.s-0.l RTIF4sR6

FREN 220	(3)	SPAN 220	(5)
FREN 230	(3)	SPAN 221	(5)
FREN 232	(3)	SPAN 222	(3)
*HIST 100	(3)	SPAN 225	(3)
*HIST 101	(3)	SPAN 261	(3)
*HIST 110	(3)	SPAN 262	(3)

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

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

HUMANITIES COURSES

ENGL 102	(3)	*HIST 110	(3)
ENGL 220	(3)	*HIST 111	(3)
ENGL 221	(3)	*HIST 130	(3)
ENGL 222	(3)	*HIST 131	(3)
ENGL 223	(3)	*HIST 132	(3)
ENGL 224	(3)	HUM 100	(3)
ENGL 225	(3)	PHIL 100	(3)
ENGL 228	(3)	PHIL 102	(3)
ENGL 260	(3)	PHIL 104	(3)
ENGL 228	(3)	PHIL 108	(3)
*ENGL/SPAN 260	(3)	**SPAN 110	(5)
*ENGL/SPAN 261	(3)	+**SPAN 111	(2.5)
ENGL 270	(3)	+**SPAN 112	(2.5)
FREN 110	(5)	**SPAN 200	(5)
FREN 200	(3)	**SPAN 210	(5)
FREN 210	(4)	**SPAN 220	(5)
FREN 220	(4)	**SPAN 221	(5)
*HIST 100	(3)	SPAN 225	(3)
*HIST 101	(3)	SPAN 262	(3)

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

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

5. PHYSICAL and BIOLOGICAL SCIENCES

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

PHYSICAL SCIENCE COURSES

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

BIOLOGICAL SCIENCE COURSES

AG 170 (L)	(3)	**BIOL 204 (L)	(4)
ANTH 100	(3)	**BIOL 206 (L)	(4)
**BIOL 100 (L)	(4)	BIOL 220 (L)	(5)
BIOL 120 (L)	(4)	PSY 200	(3)
BIOL 122 (L)	(4)		

6. LANGUAGE OTHER THAN ENGLISH (UC Requirement Only)

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

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

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

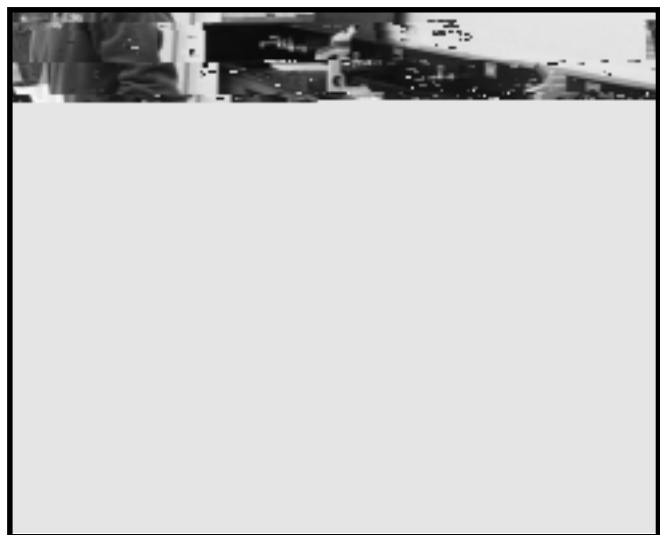
7. CSU GRADUATION REQUIREMENT IN U.S. HISTORY CONSTITUTION AND AMERICAN IDEALS

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

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

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

* Courses Designated with asterisk may be counted in one area



TIPOS DE CURSOS Y PROGRAMAS

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

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

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

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

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

Existen cinco programas diseñados para los siguientes grupos de estudiantes: estudiantes que sólo pueden tomar clases de noche; estudiantes que no pueden asistir al a

Los programas inovativos incluyen proyectos de capacitación costeados por el Concilio del Sector Privado para una variedad de agencias del Condado. Diferentes agencias, iglesias, distritos escolares y la Universidad de San Diego-en el Valle Imperial facilitan el uso de sus instalaciones para llevar acabo tal capacitación.

3. El Programa de Trabajo y Estudio

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

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

Los Programas y los Servicios a los estudiantes discapacitados esta diseñado para proveer servicios de apoyo a estudiantes que tienen alguna incapacidad física, o psicológico, problemas de aprendizaje, y problemas de salud. El programa ofrece exámenes para diagnosticar problemas de aprendizaje, inscripción preferencial, tutores académicos, clases de educación física, estacionamiento preferencial, y asistencia de enfermería.

5. El Programa Pre-escolar

La escuela pre-escolar está abierta cinco días de la semana de las 7:45 a.m. a las 3:45 p.m., de acuerdo con el calendario del colegio. Los servicios de cuidado infantil se ofrecen para niños de edad pre-escolar de 2 a 5 años de edad, cuyos padres son estudiantes del Colegio del Valle Imperial.

TITULOS/DIPLOMAS

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

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

DISTINCION ACADEMICA

Graduación con Honores

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

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

Lista de Distinciones del Presidente del Colegio

El presidente del colegio da un reconocimiento especial a todo alumno que recibió durante el semestre previ6 un promedio de 3.0 o mejor en calificaciones que se obtuvieron al terminar 12 o más unidades.

PROGRAMA DE ASISTENCIA FINANCIERA

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

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

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

GASTOS

Los cobros y cuota de inscripción se tienen que pagar cuando usted se inscribe. Su inscripción en los cursos NO SE FINALIZARA hasta que la oficina de Inscripción halla recibido el total del pago.

Cuotas

Cuota de Inscripción (Propensa a cambiar)	\$26.00 por unidad
Cuota para Extranjeros o No residentes	\$149.00 por unidad
Cuota por el permiso de estacionamiento	
Primer vehículo	\$15.00 por vehiculo
(Después de las últimas inscripciones)	\$20.00 por vehiculo

REGLAMENTOS

ADMISION

La admisión al colegio está reglamentada por las leyes del Estado y dichos reglamentos suplementarios son prescritos por la mesa directiva. El estudiante que se inscribe en ocho o más unidades en cualquier semestre o al ver aprobado ocho unidades o más, se le requiere que (1)

PLAN DE ACCION DE NO-DISCRIMINACION

El Distrito adoptó un Plan de Acción de No-Discriminación en 1973. El plan fue revisado en 1979, 1981, 1985, y 1990. La adopción y

3. Dejar Una Clase (Withdrawal Grade)

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

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

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

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

En casos de fuerza mayor al estudiante se le permitirá retirarse de una clase después del último día de la semana número 14 o menos del 75% del 0.1252 Tdaemanas-0.0622 Tw(estudiante durante las primeras 1Tc0.0673vwa)JTJ -1.12 TD0.04

El estudiante en estado provisional tendrá que planear con un asesor académico, un programa de estudios al nivel de su habilidad. Es recomendable que el estudiante tenga conferencias periódicas con el asesor para así regularizar su programa de estudios de acuerdo a su aptitud y logros académicos. El estado provisional se termina cuando el estudiante ha terminado exitosamente 12 unidades de trabajo académico.

PETICIONES Y PROCESO DE AUDIENCIAS

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

Proceso Para Hacer Una Petición

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

Procedimiento Para Hacer La Petición

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

Proceso Para Una Audiencia

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

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

Procedimientos Para Una Audiencia

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

ASISTENCIA Y DARSE DE BAJA DE CLASE AUTOMATICAMENTE

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

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

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

DARSE DE BAJA DE UNA CLASE VOLUNTARIAMENTE

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

EXPULSION ACADEMICA

Este es un sistema de interrupción forzosa de asistencia al colegio en

AUTEestudados291(V)107d c00imavlarmaae s3os 5.6(A t esal a cualquieaen pció
Sn estudiante que(092 Tcs ca ausencia0.000imavlar,*0.téión oT*-One pier oevnar

ELIGIBILIDAD Y CERTIFICACION DE INSCRIPCION PARA VETERANOS DEL EJÉRCITO

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

Para obtener información más detallada sobre esos reglamentos y beneficios ha Veteranos consulte con un asesor académico.

EDUCACION FISICA Y DEPORTES

El colegio cree en la eficacia de la educación física para la salud sin importar la edad, sexo, o condición física.

Excepciones:

1. Incapacidad física (se requiere una nota médica)

Al tiempo de pedir una petición para graduación, el estudiante deberá de presentar una habilidad mínima en el siguiente requisito:

2. Ver tomado PE 100 y cualquier otra actividad física (3 unidades requeridas).

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

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 y deberá anteceder, con una notificación pública, la decisión que se halla tenido sobre el tema, esto aparecerá en el catálogo o en boletines oficiales del colegio.



REQUISITOS DE GRADUACION

Título de Profesional Asociado

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

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

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

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

CALIFICACION POR CURSOS TOMADOS POR CORRESPONDENCIA Y CURSOS DE EXTENSION

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

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

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

REQUISITOS PARA TRANSFERIRSE

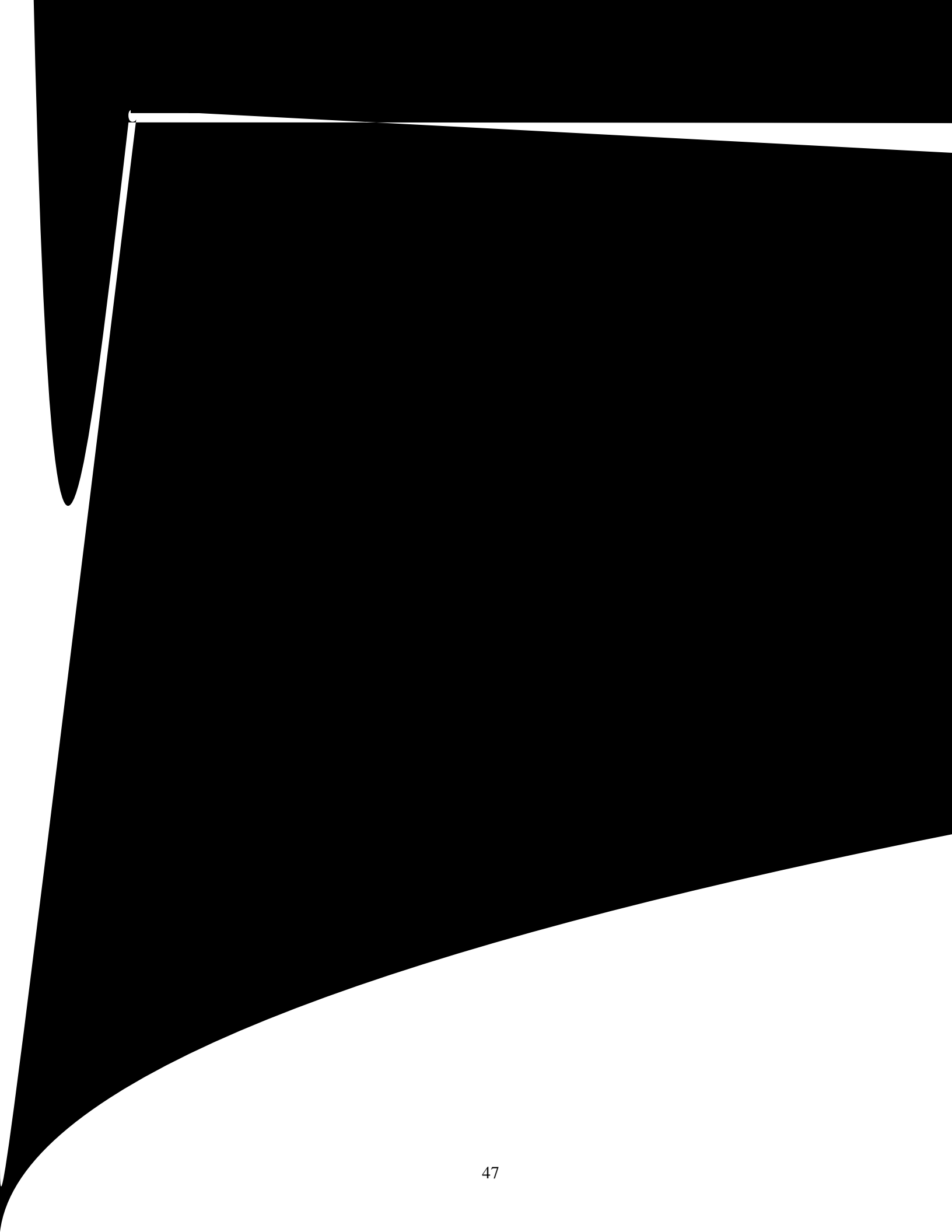
Estudiantes que tengan planeado ingresar a una Universidad Estatal de California, Universidad de California, o colegios y universidades privadas deben de reunir los siguientes requisitos:

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

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

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

Estudiantes que planeen transferirse a una Universidad Estatal de California pueden solicitar que el colegio certifique que han terminado sus clases de educación general. Estudiantes deben de terminar 39



Courses of Instruction



CURSOS DE INSTRUCCION

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

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

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

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

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

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

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

SESION DE VERANO

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

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

NEW COURSE NUMBERING

COURSE NUMBERING

001-099 Non-Transferable/Non-Degree Applicable or
Non-Transferable/AA-AS Degree Applicable Only

100-199 Freshmen Level Courses*

200-299 Sophomore Level Courses*

800 Community Education (Non-Credit)

900 Community Education (Fee Based)

COMMON COURSES

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

SPECIAL TOPICS (198/298) These are course offerings designed in specific disciplines to test new curriculum before adopting it as part of an academic program. Maximum credit 3.0 units.

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

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

**PLEASE USE THE FOLLOWING LIST AS REFERENCE
FOR THE NEW NUMBERING SYSTEM.**

	OLD NO.	NEW NO.		OLD NO.	NEW NO.		OLD NO.	NEW NO.
AJ	21	AJ 100	ADS	9	ADS 120	ART	21D	ART 226
AJ	23	AJ 102	ADS	10	ADS 150	ART	22A	ART 110
AJ	25	AJ 104	ADS	11A	ADS 220	ART	22B	ART 112
AJ	26	AJ 106	ADS	11B	ADS 221	ART	23A	ART 140
AJ	28	AJ 110	ADS	50	ADS 160	ART	23B	TERMINATE
AJ	30	AJ 124	ADS	51	ADS 101	ART	23C	ART 240
AJ	32	AJ 121	ADS	52	ADS 110	ART	25A	ART 130
AJ	34	AJ 122	ADS	53	ADS 130	ART	25B	TERMINATE
AJ	36	AJ 126	ADS	54	ADS 200	ART	25C	ART 230
AJ	37	AJ 123	ADS	55	ADS 210	ART	25D	TERMINATE
AJ	38	AJ 125	ADS	57ABCD	ADS 290	ART	28	ART 242
AJ	39	AJ 120	ADS	58	ADS 230	ART	30A	ART 150
AJ	40	AJ 150	AMSL	10	AMSL 100	ART	30B	TERMINATE
AJ	41	AJ 141	AMSL	11	AMSL 102	ART	33ABCD	ART 262
AJ	42	TERMINATE	AMSL	12	AMSL 200	ART	40	ART 228
AJ	43	AJ 143	AMSL	13	AMSL 202	ART	41	ART 282
AJ	44	AJ 144	AMSL	14	AMSL 204	ART	42AB	ART 280
AJ	51	AJ 080	AMSL	16A	AMSL 210	ART	50A	ART 160

OLD NO.		NEW NO.		OLD NO.		NEW NO.		OLD NO.		NEW NO.	
AG	26	AG	134	ANTH	4	ANTH	104	AUTO T	52	AU T	180
AG	27	AG	136	ANTH	6	ANTH	106	AUTO T	53A	AU T	125
AG	29	AG	138	ANTH	8	ANTH	108	AUTO T	53B	AU T	155
AG	30	AG	160	ANTH	16A	ANTH	114	AUTO T	54A	AU T	160
AG	32	AG	220	ANTH	16B	ANTH	214	AUTO T	54B	AU T	170
AG	40	AG	120	ART	3A	ART	100	AUTO T	54C	AU T	230
AG	41	AG	230	ART	3B	ART	102	AUTO T	55	AU T	120
AG	42	AG	140	ART	4	ART	104	AUTO T	58	AU T	210
AG	43	AG	240	ART	5	ART	106	AUTO T	59	AU T	100
AG	45	AG	250	ART	10AB	ART	170	AUTO T	60	AU T	130
AG	46	AG	150	ART	18A	ART	128	AUTO T	61A	AU T	220
AG	49	AG	270	ART	18B	TERMINATE		AUTO T	61B	AU T	250
AG	65	AG	260	ART	20A	ART	120	AUTO T	62	AU T	150
NEW	COURSE	ACR	101	ART	20B	ART	122	AUTO T	75	AU T	075
NEW	COURSE	ACR	102	ART	20C	ART	220	AUTO T	80	AU T	240
NEW	COURSE	ACR	103	ART	20D	ART	222	BIOL	3	BIOL	100
NEW	COURSE	ACR	104	ART	21A	ART	124	BIOL	21	BIOL	220
NEW	COURSE	ACR	105	ART	21B	ART	126	BIOL	22	BIOL	092
NEW	COURSE	ACR	106	ART	21C	ART	224	BIOL	110	BIOL	200
BIOL	112	BIOL	202	CHEM	12A	CHEM	204	CSI	31	CSI	104

OLD NO.	NEW NO.	OLD NO.	NEW NO.	OLD NO.	NEW NO.
BUS 90	BUS 190	CIS 31B	TERMINATE	EMT 10R	TERMINATE
BUS 91	BUS 191	CIS 32A	CIS 120	EMT-P C1	EMTP 220
BUS 92A	INACTIVE	CIS 32B	CIS 121	EMT-P C2	EMTP 230
BUS 93	INACTIVE	CIS 37A	CIS 124	EMT-P D1	EMTP 200
BUS 94A	INACTIVE	CIS 37B	CIS 125	EMT-P D2	EMTP 210
BUS 95	INACTIVE	CIS 41A	CIS 128	EMT-P F1	EMTP 240
NEW COURSE	BUS 062	CIS 34	CIS 130	EMT-P F2	EMTP 250
NEW COURSE	BUS 090	CIS 42	CIS 132	ENGL 1A	ENGL 101
NEW COURSE	BUS 091	NEW COURSE	CIS 050	ENGL 1B	ENGL 102
NEW COURSE	BUS 092	CSI 21	CSI 100	ENGL 2A	ENGL 098
CHEM 1A	CHEM 200	CSI 22	CSI 120	ENGL 2B	ENGL 100
CHEM 1B	CHEM 202	CSI 23	CSI 102	ENGL 3A	ENGL 096
CHEM 2A	CHEM 100	CSI 24	CSI 106	ENGL 3B	ENGL 097
CHEM 5	CHEM 208	CSI 25	CSI 108	ENGL 4A	ENGL 093
ENGL 4B	ENGL 095	FIRE 95ABCD	FIRE 118	HA 22	AHP 084
ENGL 5	ENGL 092	FIRE 96	FIRE 119	HA 23A	AHP 074
ENGL 6	ENGL 091	FIRE 100	NO CHANGE	HA 23B	AHP 086
ENGL 7	ENGL 061	FIRE 101	NO CHANGE	HA 37	TERMINATE
ENGL 8AB	ENGL 060	FIRE 102	NO CHANGE	HE 1	HE 102
ENGL 11	ENGL 111	FIRE 103	NO CHANGE	HE 2	HE 104
ENGL 12A	ENGL 088	FIRE 104	NO CHANGE	HE 3	HE 100
ENGL 12B	ENGL 089	FIRE 105	NO CHANGE	HT 1	AHP 090
ENGL 13A	ENGL 086	FIRE 105R	FIRE 107	HT 3	AHP 100
ENGL 13B	ENGL 087	FIRE 106	NO CHANGE	HT 4	TERMINATE
ENGL 14A	ENGL 084	FIRE 110	NO CHANGE	HT 5	TERMINATE
ENGL 14B	ENGL 085	FIRE 111	NO CHANGE	HT 6	AHP 102
ENGL 22AB	ENGL 075	FIRE 112	NO CHANGE	HT 7	TERMINATE
NEW COURSE	ENGL 076	FIRE 113	NO CHANGE	HT 8	TERMINATE
ENGL 24	ENGL 074	FIRE 114	NO CHANGE	HT 11	TERMINATE
ENGL 25	ENGL 073	FIRE 116	NO CHANGE	HT 12	AHP 110
ENGL 26	ENGL 072	FIRE 120	NO CHANGE	HT 13	AHP 112
ENGL 32	ENGL 066	FIRE 200A	FIRE 200	HT 17	TERMINATE
ENGL 33	ENGL 065	FIRE 200B	FIRE 201	HIST 4A	HIST 110
ENGL 34	ENGL 064	FIRE 201A	FIRE 202	HIST 4B	HIST 111
ENGL 35	ENGL 063	FIRE 201B	FIRE 203	HIST 17A	HIST 120
ENGL 36	ENGL 062	FIRE 202	FIRE 204	HIST 17B	HIST 121
ENGL 41A	ENGL 220	FIRE 204A	FIRE 205	HIST 30	HIST 132
ENGL 41B	ENGL 221	FIRE 204B	FIRE 206	HIST 33	HIST 122
ENGL 42A	ENGL 222	FIRE 210A	FIRE 207	HIST 35	HIST 170
ENGL 42B	ENGL 223	FIRE 210B	FIRE 208	HIST 45A	HIST 130
ENGL 43A	ENGL 224	FIRE 220A	FIRE 209	HIST 45B	HIST 131
ENGL 43B	ENGL 225	FIRE 220B	FIRE 210	HIST 50A	HIST 100
ENGL 46A	ENGL 260	FREN 1	FREN 100	HIST 50B	HIST 101
ENGL 46B	ENGL 261	FREN 1A	TERMINATE	NEW COURSE	HIST 220
ENGL 47	ENGL 228	FREN 1B	TERMINATE	HRS 21	TERMINATE
ENGL 50	ENGL 201	FREN 2	FREN 110	HRS 22	TERMINATE
ENGL 50H	ENGL 202	FREN 2A	TERMINATE	HRS 23	TERMINATE
ENGL 52	ENGL 270	FREN 2B	TERMINATE	HRS 25	TERMINATE
ENGL 53AB	ENGL 250	FREN 2H	FREN 297	HRS 26	TERMINATE
ENGL 54	ENGL 230	FREN 3	FREN 200	HRS 27	TERMINATE
ENGL 55	ENGL 240	FREN 4	FREN 210	HRS 28	TERMINATE
ENGL 59	ENGL 059	FREN 5	FREN 220	HRS 29	TERMINATE
ENGL 60ABC	ENGL 050	FREN 10	FREN 230	HRS 30AB	TERMINATE
ENGL 61ABCD	ENGL 051	FREN 11	FREN 232	HUM 1A	TERMINATE
ENGL 62ABCD	ENGL 052	FREN 60ABC	TERMINATE	HUM 1B	TERMINATE
ENGL 63AB	ENGL 071	GEOG 1	GEOG 100	HUM 21	HUM 212
ENGL 64	ENGL 053	GEOG 2	GEOG 102	HUM 25	HUM 100
NEW COURSE	ENGL 094	GEOG 3	GEOG 104	HUM 26	TERMINATE
ENV S 5	ENVS 110	NEW COURSE	GEOL 100	H REL 8	HREL 100
ENV T 100	ENVT 100	NEW COURSE	GEOL 110	H REL 61	HREL 061
ENV T 103	ENVT 103	GERM 1	TERMINATE	H REL 62ABCD	HREL 062
ENV T 105	ENVT 105	GERM 1A	TERMINATE	H REL 63A	HREL 063

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

ADMINISTRATION OF JUSTICE

**AJ 080 (.5 UNITS)
SECURITY GUARD (ARREST)
3 Hrs. Lec**

The purpose of this course is to assist the student in understanding the roles and responsibilities of a security guard. It is designed to satisfy the guidelines described by the California Department of Consumer Affairs "Power to Arrest Training Manual." (Nontransferable, AA/AS degree only) (Formerly AJ 51)

**AJ 100 (3 UNITS)
INTRO TO THE ADMIN OF JUSTICE
3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly ENGL 12B) with a grade of "C" or better. The course will cover the philosophy of Administration of Justice in America and identify its various sub-systems. It will examine the roles and role expectations of criminal justice agents and their interrelationship in society. The concepts of crime causations, punishment and rehabilitation are introduced. This basic course provides a better understanding of the criminal justice system and orients the students to career opportunities. Ethics, education and training for professionalism in the system are discussed. (CSU, UC) (CAN AJ 2) (Formerly AJ 21)

**AJ 102 (3 UNITS)
CONCEPTS OF CRIMINAL LAW
3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly ENGL 12B) with a grade of "C" or better.

The course covers the historical development of law and constitutional provisions; definitions and the classification of crime and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force are presented. Crimes against persons, property, government and organized crime are discussed. (Same as CSI 102/Formerly CSI 23) (CSU, UC) (Formerly AJ 23)

**AJ 104 (3 UNITS)
LEGALASPECTS OF EVIDENCE
3 Hrs. Lec**

Recommended Preparation: AJ 100 (Formerly AJ 21); and, completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly ENGL 12B) with a grade of "C" or better.

Origin, development, and philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies. (CSU) (Formerly AJ 25)

**AJ 106 (3 UNITS)
PRIN & PROC OF THE JUST SYSTEM
3 Hrs. Lec**

Recommended Preparation: Completion on ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly 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 procedure, from initial entry to final disposition, and the relationship each segment maintains with its system member. (CSU) (Formerly AJ 26)

**AJ 110 (3 UNITS)
POLICE COMMUNITY RELATIONS
3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly 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 between members in the criminal justice system and the public. Concepts of community-oriented policing as they apply to administration of justice issues, future trends, and training will be discussed. (CSU, UC) (Formerly AJ 28)

**AJ 120 (3 UNITS)
PUBLIC SAFETY COMMUNICATIONS
3 Hrs. Lec**

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

This is an introductory course dealing with all aspects of public safety communication. It will cover the techniques to effectively communicate facts, information, and ideas in a clear and logical manner for a variety of public safety systems reports, crime violations, incident reports, letters, memorandums, directives, and administrative reports. Emphasis on criminal justice terminology, use of English, and organization of information. Students will gain practical experience in note-taking, interviewing, report writing, and presentation of testimony in courts. (Same as CSI 120) (CSU) (Formerly AJ 39)

**AJ 121 (3 UNITS)
POLICE FIELD OPERATIONS
3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly 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 interviews, search and arrests, notetaking and police report essentials. Familiarization with basic police equipment and handling of community crime incidents. (CSU) (Formerly AJ 32)

**AJ 122 (3 UNITS)
CRIMINAL INVESTIGATION
3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly ENGL 12B) with a grade of a "C" or better.

Fundamentals of investigation; techniques or crime scene recording and search; collection and preservation of physical evidence; modus operandi processes; sources of information; interview and interrogation; follow-up and case preparation. (CSU) (Formerly AJ 34)

**AJ 123 (3 UNITS)
JUVENILE CONTROL
3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 0089 (Formerly 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) (Formerly AJ 37)

AG 120 (3 UNITS)
SOIL SCIENCE
2 Hrs. Lec 3 Hr. Lab

ADS 150 (3 UNITS)
SOCIOLOGY OF MINORITY GROUPS
3 Hrs. Lec

This course includes the study of the theories of prejudice and discrimination of different groups within American society. It will cover an historical analysis of the problems of these groups and typical areas will include racism, sexism, ageism, and ethnic and religious discriminations. (Same as SOC 150/Formerly SOC 10) (CSU, UC) (Formerly ADS 10)

ADS 160 (3 UNITS)
HUMAN SERVS CHNGNG SOCIETY
3 Hrs. Lec

History, philosophy and the development of thought in social work. A content area designed to identify and analyze the primary helping services in urban and rural America. Observation and reporting techniques will be emphasized. This course will identify new programs and careers in the emerging Human Services field. (Same as SOC 160/Formerly SOC 50) (CSU) (Formerly ADS 50)

ADS 200 (3 UNITS)
FAMILY COUNSELING APPROACHES
3 Hrs. Lec

A course designed to present basic ideas and theories about family dynamics, particularly as they apply to the family of the substance abuser, and to explore strategies for counseling the client's family. The approach is highly experiential in format and students will participate in exercises frequently to incorporate new skills and theory. (CSU) (Formerly ADS 54)

ADS 210 (3 UNITS)
CRISIS INTERVENTION AND REFERR
3 Hrs. Lec

Techniques used for brief therapy crisis intervention, intake interviewing and referral will be studied and practiced. Special attention will be given to the process of intervention, admitting, and recording of information as it pertains to alcohol and drug abuse clients. Through an experiential format, participants will learn and practice skills in brief therapy, different levels of client communication and intake interviewing. (Same as PSY 210/Formerly PSYCH 55) (CSU) (Formerly ADS 55)

ADS 220 (3 UNITS)
PRACTICUM
3 Hrs. Lec

Recommend Preparation: ADS/PSY 120 (Formerly ADS/PSYCH 9), PSY 101 (Formerly PSYCH 1A) or SOC 101 (Formerly 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 mental health, child development, youth corrections, welfare, homes for the neglected, homes for the aged, youth recreation, rehabilitation centers for people with physical limitations, and educational settings. Students will be supervised by qualified instructional staff and professionally trained personnel. (Same as PSY 220/Formerly PSYCH 11A) (CSU) (Formerly ADS 11A)

ADS 221 (3 UNITS)
PRACTICUM
3 Hrs. Lec

Prerequisite: ADS/PSY 220 (Formerly ADS/PSYCH 11A). A continuation of ADS/PSY 220 with an emphasis in gaining further experience in the same institution or agency or a different institution or agency. (Same as PSY 221/Formerly PSYCH 11B) (CSU) (Formerly ADS 11B)

ADS 230 (3 UNITS)
ALCOHOL AND DRUG PREVENTION
3 Hrs. Lec

Recommended Preparation: ADS 101 (Formerly ADS 51) and ADS 110 (Formerly ADS 52).

This course will review the history, theories, models and state-of-the-art approaches to the prevention field. It will provide experien-

AHP 074 (2 UNITS)
CLINICAL EXTERNSHIP I
6 Hr. Lab

Prerequisite: AHP 072 (Formerly HA 19).
 Course is designed to enable the student to put all didactic information and skills together in the work setting of the "front office" of a clinic or doctor's office. The medical assistant student is placed at a medical office, clinic, or HMO where he/she will gain hands-on experience performing "front office" medical assistant duties. Students are required to be available days to attend the externship. The externship hours are similar to the schedules normally available in industry. (Nontransferable, AA/AS degree only) (Formerly HA 23A)

AHP 080 (3.5 UNITS)
SPECIMEN COLL & LAB PROCED
3 Hrs. Lec 1.5 Hr. Lab

Prerequisite: AHP 072 (Formerly HA19).
 This course is designed to prepare students to comply with OSHA regulations, lab safety, bio-hazard awareness, usage of the microscope and other laboratory equipment, obtainment of capillary and venous blood samples, bacterial smears and cultures, urine, sputum, and stool specimens. (Nontransferable, AA/AS degree only) (Formerly HA 20)

AHP 082 (3.5 UNITS)
EXAM ROOM PROCEDURES
3 Hrs. Lec 1.5 Hr. Lab

Prerequisite: AHP 080 (Formerly HA 20).
 This course is designed to prepare students in preparing patients for various types of exams, procedures of the eyes and ears, positioning and draping, assisting physician, language of charting by use of abbreviations and symbols, instrument identification and usage, aseptic technique, diagnostic tests and procedures, EKG, minor surgical procedures, medical emergencies, CPR health care provider level. (Nontransferable, AA/AS degree only) (Formerly HA 21)

AHP 084 (3.5 UNITS)
PHARMAND ADMIN OF MED
3 Hrs. Lec 1.5 Hr. Lab

Prerequisite: AHP 082 (Formerly HA 21).
 This course is designed to prepare students to understand medical-legal/ethical aspects, drug classifications, medical math, usage of PDR, abbreviations and symbols, writing prescriptions, charting, pharmacy calls, storing medications, methods of administering medications: orally, sublingual, topically, vaginally, and rectally. Conversion of orders to milligrams for injection, handling of and safety in using the syringe and needle, choosing correct size, identifying correct site for injection, injection technique of intradermal, subcutaneous and intramuscular (deep and Z-track), anaphylactic reaction, considerations of drug action and interactions. (Nontransferable, AA/AS degree only) (Formerly HA 22)

AHP 086 (2 UNITS)
CLINICAL EXTERNSHIP II
6 Hr. Lab

Prerequisite: AHP 084 (Formerly HA 22).
 Course is designed to enable the student to put all didactic information and skills together in the work setting of a clinic or doctor's office. The medical assistant student is placed at a medical office or clinic where he/she will gain hands-on experience performing medical assistant duties. The student is required to be available days to attend the externship. The externship hours are similar to the schedules normally available in industry. (Nontransferable, AA/AS degree only) (Formerly HA 23B)

AHP 090 (2 UNITS)
INTRODUCTION TO HEALTH SCIENCE
2 Hrs. Lec

This course is an introduction to health science professions. The course will focus on individual programs as well as how those professions collaborate and interrelate. Introduction to health care, professionalism, team building/collaboration, medical terminology, and ethical/legal issues will be explored. New and emerging professions and issues will be discussed. Major health problems will be explored and the impact of lifestyle, total environment, social and political issues analyzed. (Nontransferable, AA/AS degree only) (Formerly HT 1)

AHP 100 (3 UNITS)
MEDICAL TERMINOLOGY
3 Hrs. Lec

Course of study is designed to develop competency in the accurate use of medical vocabulary to include anatomy, physiology, diseases, and descriptive terms to prepare students for entry-level positions as

AMERICAN SIGN LANGUAGE**AMSL 100 (4 UNITS)
AMERICAN SIGN LANGUAGE 1
3 Hrs. Lec 2 Hr. Lab**

An introduction to American Sign Language and Signed English designed to provide basic communication skill and increased awareness of the psychology of an individual with a severe hearing impairment. This course will include definitions of hearing loss, history of deaf education and culture, communication issues, and legal rights, as well as emphasizing vocabulary development, syntax and idiomatic expressions used by the "typical" deaf adult. (CSU, UC) (Formerly AMSL 10)

**AMSL 102 (4 UNITS)
AMERICAN SIGN LANGUAGE 2
3 Hrs. Lec 2 Hr. Lab**

Recommended Preparation: AMSL 100 (Formerly AMSL 10). Sign language vocabulary enrichment and finger spelling drill to increase speed, accuracy and rhythm in expressive and receptive ability. Emphasis will be placed upon clarity of performance and appropriateness of vocabulary. Ethics, certification, role, and procedures of professional interpreting will be examined. Provides introductory sign-to-voice and voice-to-sign interpreting practice. (CSU, UC) (Formerly AMSL 11)

**AMSL 104 (3 UNITS)
FINGERSPELLING AND NUMBERS
3 Hrs. Lec**

Recommended preparation: AMSL 100. Introduction to the American manual alphabet (fingerspelling), including numbers, loan signs, acronyms, and abbreviations commonly used in the Deaf community. Extensive drills and practice in both expressive and receptive skills.

**AMSL 110 (3 UNITS)
INTRO TO DEAF CULTURE
3 Hrs. Lec**

Introduction to Deaf Culture examines the experience of a minority culture—its common past, present debates, and promise for the future. Deaf cultural values, characteristics and dynamics will be discussed as well as issues related to minority dynamics. Organizations and individual perceptions of self in relation to group identity, along with political views as examined through articles, books, and videotapes.

**AMSL 112 (3 UNITS)
INTERPRETING AS A PROFESSION
3 Hrs. Lec**

Recommended preparation: AMSL 100. This course provides a historical framework for the principles, roles, responsibilities, and standard practices of the interpreting profession. Instruction on national testing standards, preparation for certification, and the necessity of ethics as outlined in the Interpreting Code of Ethics.

**AMSL 200 (3 UNITS)
AMERICAN SIGN LANGUAGE 3
3 Hrs. Lec**

Recommended Preparation: AMSL 102 (Formerly AMSL 11). Continues development of interpreting/transliterating skills. Students will have directed practice in interpreting in a variety of communication situations. Techniques of facial expression, body movement, and spatialization as it relates to American Sign Language will be studied. (CSU, UC) (Formerly AMSL 12)

**AMSL 202 (3 UNITS)
AMERICAN SIGN LANGUAGE 4
3 Hrs. Lec**

Recommended Preparation: AMSL 200 (Formerly AMSL 12). The course is a continuation of the American Sign Language skills and fluency developed in AMSL 200. The course increases or strengthens students' expressive and receptive vocabulary competency; however, the major focus of the course continues to be on the expansion of students skills in the idiomatic usage of conversational ASL, awareness of ASL grammar, usage and syntax, and facility in expressive sign language at the intermediate level. The course also continues to introduce students to the experience of sign language interpreting the development of specialized or technical sign vocabulary. (CSU, UC) (Formerly AMSL 13)

**AMSL 204 (3 UNITS)
AMERICAN SIGN LANGUAGE 5
3 Hrs. Lec**

Recommended Preparation: AMSL 202 (Formerly AMSL 13). AMSL 204 continues, at the intermediate level, the development of the American Sign Language proficiency students acquired in AMSL 202. Students continue to expand their awareness of ASL conventions, grammar, and vocabulary, including a continued review of topical signs and idioms. Students develop a greater competency in their receptive understanding of extended ASL discourse and in their expression of extended ideas, concepts and stories in ASL. Their expressive competency in discussion of ideas includes an expression of their understanding of Deaf culture. Students continue the growth of their technical awareness of Deaf culture and ASL linguistics. (CSU, UC) (Formerly AMSL 14)

**AMSL 210 (3 UNITS)
INTERAMER SIGN LANG 1
3 Hrs. Lec**

Recommended Preparation: AMSL 204 (Formerly AMSL 14). AMSL 210 focuses students' sign language facility on the development of English to ASL interpreting skills. The primary focus of the training is on interpreting in educational and consumer settings, along with continued development of idiomatic sign skills. Students are presented and are asked to discuss in the target language the primary elements of the code of ethics. Students continue the intense review of Deaf culture and ASL linguistics started in AMSL 204. (CSU)

ANTH 102 (3 UNITS)
CULTURAL ANTHROPOLOGY
3 Hrs. Lec

A study of culture and its relationships to biology and to natural environment. Stresses the origin and evolution of culture, and the part that culture assumed in human biological maintenance. Examines types of social organizations and economic systems, religions and arts. (CSU, UC) (CAN ANTH 4) (Formerly ANTH 2)

ANTH 104 (3 UNITS)
CALIFORNIA INDIANS
3 Hrs. Lec

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) (Formerly ANTH 4)

ANTH 106 (3 UNITS)
INDIANS OF NORTH AMERICA
3 Hrs. Lec

Early migration across Beringia to the New World; demography and ecology of the Amerindian cultures in Alaska, Canada and the United States. Effect of European contact; reactionary movements today. (CSU, UC) (Formerly ANTH 6)

ANTH 108 (3 UNITS)
INDIANS OF THE SOUTHWEST
3 Hrs. Lec

Geography and ecology of the Southwest; Early man migrations; Desert culture; growing influence of Mesoamerica; development of Anasazi, Hohokam and Mogollon cultures. Classic civilizations and engineering feats. Decline and the origins of Zuni, Hopi, Navajo, and Apache cultures. (CSU, UC) (Formerly ANTH 8)

ANTH 110 (3 UNITS)
INTRO TO ARCHAEO SITE SURVEYING
2 Hrs. Lec 5 Hr. Lab

Historical development of archaeology and the importance of site surveying; archaeological theory - Middle Range Theory; methods in site surveying; types of sites; laboratory preparation; use and care of field equipment. (CSU) (Formerly ANTH 3A)

ANTH 112 (3 UNITS)
INTRO TO ARCHAEO SITE SURVEYING
2 Hrs. Lec 5 Hr. Lab

Recommended Preparation: ANTH 110 (Formerly ANTH 3A) and ANTH 210 (Formerly ANTH 3C).

Determine a site to be excavated; laws pertaining to excavations; laying out a site with alidade and rod; testing; pit versus trench excavations; stratigraphy; record keeping; screening and collecting; photography; preparation of laboratory and museum materials; pollen, soils, and C 14 tests. (CSU) (Formerly ANTH 3B)

ANTH 114 (3 UNITS)
PREHISTORIC CERAMICS
1 Hrs. Lec 2 Hr. Lab

Traces of origins and developments of ceramics in the Old and New Worlds. Emphasis on the materials, techniques and ceramic products of the Southern California Indians, especially the Lower Colorado River groups. (CSU, UC) (Formerly ANTH 16A)

ANTH 210 (3 UNITS)
ADVANCED ARCHAEOLOGICAL SURVEY
2 Hrs. Lec 5 Hr. Lab

Recommended Preparation: ANTH 110 (Formerly 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) (Formerly ANTH 3C)

ANTH 212 (3 UNITS)
ADVANCED ARCHAEOLOGICAL EXCAVATIONS
2 Hrs. Lec 5 Hr. Lab

Recommended Preparation: ANTH 112 (Formerly 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 curation; photography; dating; report writing are included. (CSU) (Formerly ANTH 3D)

ANTH 214 (3 UNITS)
ADVANCED PREHISTORIC CERAMICS
1 Hrs. Lec 2 Hr. Lab

Recommended Preparation: ANTH 114 (Formerly 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) (Formerly ANTH 16B)

ART

ART 100 (3 UNITS)
HISTORY & APPRECIATION OF ART
3 Hrs. Lec

A survey of the development in art in painting, sculpture, architecture, and the minor arts from the birth of art to the Renaissance. (CSU, UC) (CAN ART 2) (CAN ART SEQ A = ART 100 and ART 102) (Formerly ART 3A)

ART 102 (3 UNITS)
HISTORY & APPRECIATION OF ART
3 Hrs. Lec

A continuation of ART 100 extending from the Renaissance to contemporary times. May be taken before or concurrently with ART 100. (CSU, UC) (CAN ART 4) (CAN ART SEQ A = ART 100 and ART 102) (Formerly ART 3B)

ART 104 (3 UNITS)
HISTORY & APPRECIATION OF MODERN ART
3 Hrs. Lec

Art 104 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) (Formerly ART 4)

ART 106 (3 UNITS)
WOMEN ARTISTS
3 Hrs. Lec

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: Elizabetta Sirani, Judith Leyster, Elizabeth Vigée LeBrun, Mary Cassatt, Kathe Kollwitz, Frida Kahlo, Georgia O'Keeffe, Helen Frankenthaler. The course will also address the special issues and problems concerning the study of women artists, past and present. (CSU, UC) (Formerly ART 5)

ART 110 (3 UNITS)
DESIGN
2 Hrs. Lec 3 Hr. Lab

Fundamentals of design and composition; theory of color. Includes organization and utilization of basic elements through design problems. (CSU, UC) (CAN ART 14) (Formerly ART 22A)

ART 112 (3 UNITS)

DESIGN

2 Hrs. Lec 3 Hr. Lab

Intermediate studies of elements and principles of art with emphasis

AUTOMOTIVE TECHNOLOGY**AUT 075 (3 UNITS)****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 and well as the beginning student. This course is for the student who has not developed a background in industrial technology and well as the beginning student. This course is for the student who has not developed a background in industrial technology and well as the beginning student.

blocksd

AU T 175 (3 UNITS)**AUTO TECHNIQUES & APPLICATIONS****1 Hrs. Lec 6 Hr. Lab**

Recommended Preparation: AU T 125, AU T 155, and AU T 130.

This course is designed for students that have completed classes in brakes, suspension, wheel alignment, and basic automotive electronics, or students who are currently employed in the automotive field.

This course consists of reviews of hands-on using worksheets related to diagnose brake repair, steering/suspension repair and four wheel alignment. In addition, the student will be using the latest diagnostic equipment and service techniques of the automotive field.

AU T 180 (4 UNITS)**MANUAL TRANS AND POWER TRAINS****3 Hrs. Lec 3 Hr. Lab**

This course discusses modern manual transmissions, driveline and differential theory of method of repair, service J0 -1.10619uha5iu3u

menost vehicleHrs Upsiosuccessfulve complnsios of This cour,or studen)

arbt t(971P

BIOL 100 (4 UNITS)
PRINCIPLES OF BIOLOGICAL SCIEN
3 Hrs. Lec 3 Hr. Lab

Prerequisite: MATH 090 or equivalent with a grade of "C" or better.
A comprehensive one semester general biology course for non-majors. Includes life from the molecular to the organismic level of both plants and animals and their interactions within the environment. Special emphasis is put on human biology within appropriate areas of study. Appropriate for general education as well as nursing, pre-professional, and higher level biology courses. Includes laboratory component. (CSU) (UC credit limited. See a counselor.) (Formerly BIOL 3)

BIOL 120 (4 UNITS)
GENERAL ZOOLOGY I
2 Hrs. Lec 6 Hr. Lab
Prerequisite: MATH 090

BIOL 220 (5 UNITS)
GENERAL MICROBIOLOGY
3 Hrs. Lec 6 Hr. Lab

Prerequisite: CHEM 100 (Formerly CHEM 2A) and BIOL 100 (Formerly BIOL 3) with a grade of "C" or better or current California LVN license.

Provides students with fundamental concepts of the structure and physiology of nondisease and disease producing microorganisms with particular attention to bacteria. Basic techniques for culturing, staining, counting and identifying microorganisms. Designed to meet the requirement to enter one of the medical fields as well as general education. (CSU, UC) (CAN BIOL 14) (Formerly BIOL 21)

BIOL 220 (5 UNITS)
GENERAL MICROBIOLOGY
3 Hrs. Lec 6 Hr. Lab

Prerequisite: CHEM 100 (Formerly CHEM 2A) and BIOL 100 (Formerly BIOL 3) with a grade of "C" or better or current California LVN license.

Provides students with fundamental concepts of the structure and physiology of nondisease and disease producing microorganisms with particular attention to bacteria. Basic techniques for culturing, staining, counting and identifying microorganisms. Designed to meet the requirement to enter one of the medical fields as well as general education. (CSU, UC) (CAN BIOL 14) (Formerly BIOL 21)

BUILDING CONSTRUCTION PROJECT MANAGEMENT

BLDC 110 (3 UNITS)
CONSTRUCTION BLUEPRINTS, SPECS
2 Hrs. Lec 3 Hr. Lab

This is an introduction to construction blueprint reading and specifications. Study of the methods of graphic representation of building materials, symbols, measurements, and interpretation of building codes.

BLDC 130 (4 UNITS)
CARPENTRY LAYOUT & FRAMING
2 Hrs. Lec 6 Hr. Lab

(Recommended preparation: BLDC 110 and BLDC 140) This course provides instruction in building layout and structural framing systems typical to residential construction and will include: materials, fasteners, measuring, use of tools, construction safety, and hands-on applications.

BLDC 140 (3 UNITS)
BUILDING CONSTR METHODS & MAT.
2 Hrs. Lec 3 Hr. Lab

(Recommended preparation: Average to above average mathematics and communications skills.)

This course will introduce students to construction methods and materials, the characteristics of materials, and construction processes. Methods, equipment, personnel, regulatory organizations, and safety considerations which are common factors in the construction industry will be discussed.

BLDC 145 (3 UNITS)
CONCRETE FORMWORK, LAYOUT, & S
2 Hrs. Lec 3 Hr. Lab

(Recommended preparation: BLDC 140)

This course will introduce students to techniques, practices, and procedure in concrete formwork, layout, and settings, which will lead to employment in the cement mason occupations within the Building Construction Trades Industry.

BLDC 150 (4 UNITS)
CARPENTRY METHODS, MATERIALS,
2 Hrs. Lec 6 Hr. Lab

(Recommended preparation: BLDC 110, BLDC 130, BLDC 140)

Carpentry construction methods require the use of construction meth-

ods, materials, and tools to achieve a completed structure. Use and operation of hand and power tools used for a variety of construction materials will be studied and applied during this course. Application of materials and execution of construction methods will be guided by building codes and in compliance with safety regulations.

BLDC 160 (3 UNITS)
CONSTR. TECH. & CONTRACT DOCS.
2 Hrs. Lec 3 Hr. Lab

(Recommended preparation: BLDC 140 and Construction Trade experience)

This course will introduce the student to the typical organization of a planning department and the responsibilities of the personnel associated with the development, review, implementation, enforcement, and approval of technical and contract documents.

BLDC 165 (4 UNITS)
CONCRETE MATS., METHODS, TOOLS
2 Hrs. Lec 6 Hr. Lab

(Recommended preparation: BLDC 145)

This course will continue to prepare the student in the occupational field of cement mason by including learning activities in cement manufacturing, portland cement types, aggregates, admistures, reinforcement, material handling, placing, compacting, finishing, hand tooling, and mechanical tools.

BLDC 185 (4 UNITS)
CONCRETE FOOTINGS, FLATWORK, D
2 Hrs. Lec 6 Hr. Lab

(Recommended preparation: BLDC 165)

This course is the study of concrete construction to include the skills and understanding necessary for the entry-level cement mason to locate, layout, and complete the formwork for footings. Included will be elements of flatwork concrete construction and decorative non-

BUS 140 (3 UNITS)

BUS 190 (3 UNITS)
REAL ESTATE PRINCIPLES
3 Hrs. Lec

An analysis of the principles of real estate in California; history of

CHILD, FAM. CONSUMER SCIENCE

CFCS 200 (3 UNITS)**FIELD EXPERIENCE****1.5 Hrs. Lec 10 Hr. Lab**

Prerequisites: CFCS 100, CFCS 104, CFCS 106/PSY 106, CFCS 108, CFCS 110 and 4 or 5 units from the following CFCS 112, CFCS 114, CFCS 116, CFCS 118 or CFCS 262.

Supervised field work in an early childhood program under the direction of a Master Teacher and college supervisor. The students will learn to assess, develop and implement curriculum and appropriate practices for young children in a supervised setting. (CSU) (Formerly ECE 25)

CFCS 210 (3 UNITS)**ADMINS & SUP IN ECE****3 Hrs. Lec**

Prerequisites: CFCS 200 and its prerequisites. This course incorporates basic management principles for preschools including curriculum development and implementation, personnel management, facility maintenance, budgeting, parent involvement, community relations, program evaluation and professional ethics. (CSU) (Formerly ECE 28)

CFCS 211 (3 UNITS)**ADV MGMT FUNC OPER OF EC CENT****4.25 Hrs. Lec**

Prerequisites: CFCS 210. This course is designed for those who plan to be directors in any child care center, both public and private, in the state of California. Principles and practices of program planning, budgeting and personnel administration for agencies servicing children and families. (CSU) (Formerly ECE 33)

CFCS 212 (3 UNITS)**ADULT SUPERVISION IN EC PROGRAMS****3 Hrs. Lec**

A study of the methods and principles of adult supervision in an early childhood setting from a development perspective. Topics covered include competence in personnel management, effective interpersonal communication, how adults learn, team building. (CSU) (Formerly ECE 34)

CFCS 220 (3 UNITS)**INFANT TODDLER DEVELOPMENT****3 Hrs. Lec**

This course will cover the fundamental principles of prenatal and infant development from conception to age two as determined by heredity, society and human interaction. Prenatal development and the birth process are emphasized. Observations will be done on a neonate, infant and toddler. (CSU) (Formerly ECE 29)

CFCS 221 (3 UNITS)**INFANT TODDLER CURRICULUM****3 Hrs. Lec**

This course will prepare students to develop and implement an infant and/or toddler curriculum including the design of a developmentally appropriate learning environment. It will examine the methods currently in practice and study teacher competencies necessary for working with infants/toddlers. Students must put in 5 Hrs. Lab TBA for the semester. (CSU) (Formerly ECE 30)

CFCS 230 (3 UNITS)**SCHOOL-AGE CHILD DEVELOPMENT****3 Hrs. Lec**

A study of the developmental characteristics of the School-Age child from ages five to twelve, covering physical, cognitive, social and personality development. Developmental theories will be discussed, and the influences on the basic process will be explored. This course provides preparation for employment in child development programs, and public and private School-Age programs. (CSU) (Formerly ECE 49)

CFCS 231 (3 UNITS)**SCHOOL-AGE CURRICULUM****3 Hrs. Lec**

This course instructs students in designing a school-age program that meets the needs of children based on current theory and research. Emphasis will be on creating developmentally appropriate environments, curriculum planning, behavior management, health, safety and nutrition. (This course provides preparation for employment in child development programs, and public and private School-Age programs. (CSU) (Formerly ECE 50)

CFCS 240 (3 UNITS)

CIS 131 (1 UNIT)**POWER POINT II****1 Hrs. Lec**

Recommended Preparation: CIS 130

A continuation of CIS 130 that includes customizing presentations, enhancing charts, embedding objects, using multimedia and other advanced features. (CSU)

CIS 132 (1 UNIT)**FRONT PAGE I****1 Hrs. Lec**

A beginning course in WebPage design including using lists, hyperlinks,

CSI 120 (3 UNITS)**REPORT WRITING****3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly ENGL 12B) with a grade of "C" or better.

Introductory report writing class designed for both Administration of Justice and Correctional Science students. The course will provide instruction in gathering, organizing and preparing various reports. Students will practice interviewing, note taking and report writing techniques for communicating facts, information and ideas effectively in a simple, clear and objective manner, for use in the criminal justice system. (Same as AJ 120/Formerly AJ 39) (CSU) (Formerly CSI 22)

DISABLED STUDENT PROG AND SERV**DSPS 005 (1 UNIT)****RECREATION FOR SPECIAL GROUPS****2 Hr. Lab**

Intensive therapeutic recreation for severely disabled persons in the community. Through repetitive instruction, the student will develop individual and group skills in recreational activities modified for their developmental disabilities. Maximum credit four units. (Nontransferable, nondegree applicable) (Formerly REC 010/REC 74AD)

DSPS 010 (1 UNIT)**PERS & SOC ADJ PL****1 Hr. Lab**

This course is designed to help the disabled students who have difficulty in adjusting to the educational complexities encountered in college level classes because of deficiencies in their educational backgrounds. Maximum credit sixteen units. (Nontransferable, nondegree applicable) (Formerly DSPS 6AD)

DSPS 012 (1 UNIT)**ACADEMIC SUPPORT SERVICES****2 Hr. Lab**

This course is designed to provide academic support services to the disabled students who are taking classes in the areas of natural science and math; behavioral and social sciences; humanities, fine arts and foreign language; English and speech; and vocational-occupational programs. In addition, the course is designed to assist students in developing their basic skills. Maximum credit sixteen units. (Nontransferable, nondegree applicable) (Formerly DSPS 7AD)

DSPS 014 (1 UNIT)**COUNSELING AND GUIDANCE SUPPORT****1 Hr. 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. Students are transitioned into college through assistance with registration, financial aid, career planning, and ultimately into employment and/or baccalaureate programs. Maximum credit sixteen units. (Nontransferable, nondegree applicable) (Formerly DSPS 8AD)

DSPS 016 (2 UNITS)**LIVING WITH A HEARING LOSS****2 Hrs. Lec**

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 lip reading ability, 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. Maximum credit four units. (Nontransferable, nondegree applicable) (Formerly DSPS 4AB)

DSPS 020 (3 UNITS)**MATH FOR STUD. W/LRN DIFF****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) (Formerly DSPS 50A)

DSPS 022 (3 UNITS)**MATH FOR STUD W/LRN DIFF****3 Hrs. Lec**

Recommended Preparation: DSPS 020 (Formerly DSPS 50A). This course will teach adults with Learning Differences to solve problems involving multiplication of whole numbers and division of whole numbers. (Nontransferable, nondegree applicable) (Formerly DSPS 50B)

DSPS 024 (3 UNITS)**MATH FOR STUD. W/LRN DIFF****3 Hrs. Lec**

Recommended Preparation: DSPS 50B (Formerly DSPS 50B). This course will teach adults with Learning Differences to solve problems involving addition, subtraction, multiplication, and division of fractions. (Nontransferable, nondegree applicable) (Formerly DSPS 50C)

DSPS 026 (3 UNITS)**MATH FOR STUD. W/LRN DIFF****3 Hrs. Lec**

Recommended Preparation: DSPS 024 (Formerly DSPS 50C). This course will teach adults with Learning Differences to solve problems involving decimals and percents. (Nontransferable, nondegree applicable) (Formerly DSPS 50D)

DSPS 030 (4 UNITS)**READ & SPELL STU W/LRN DIFF****4 Hrs. Lec 1 Hr. Lab**

Prerequisite: Need for basic instruc -1.106ration: Ds wiP625 Tw[12 TD-0.004
w p l i c a b l l

DSPS 250 (3 UNITS)**WORKING WITH AUTISTIC CHILDREN****3 Hrs. Lec**

This course is designed to instruct direct care workers about autism, and introduce students to various treatment methods used with children who have autism. Students will learn what autism is, treatment methods used with these students and how to integrate children with

ELTR 140 (4 UNITS)**ELEC CIRCUITS & SEMICONDUCTORS****3 Hrs. Lec 3 Hr. Lab**

Recommended Preparation: ELTR 120 (Formerly ELTRN 1A).

A continuation of ELTRN 120. Topics will include: semiconductor devices, amplifiers, and solid state components. (CSU) (Formerly

EMTP 230 (3 UNITS)**EMT - PARAMEDIC CLINICAL 2****4.7Hr. Lab**

Prerequisites: Successful completion EMTP 200 (Formerly EMT-P D1), EMTP 210 (Formerly EMT-P D2) and EMTP 220 (Formerly EMT-P C1). Applicant may petition for exemption from this course providing: Applicant is currently certified as an EMT II with a minimum of one year experience. Applicant demonstrates completion of an EMT II program with training and training hours equivalent to IVC's EMT II program. Applicant completes all other paramedic training program application requirements. Applicant passes EMT II proficiency exam with 80%.

This is the 4th segment of the Emergency Medical Technician Paramedic Program. It is designed to enhance the paramedic intern's skill performance, patient assessment skills, medication administration ability, and overall administration of advanced life support treatment in the clinical hospital setting. It enables the paramedic student to put all advanced didactic and skills training together in the clinical 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 the continued intensity of the course that requires dedication and motivation to complete this clinical experience. (CSU) (Formerly EMT-P C2)

EMTP 240 (9.5 UNITS)**EMT - PARAMEDIC FIELD 1****15.8Hr. Lab**

Prerequisites: Successful completion of EMTP 200 (Formerly EMT-P D1), EMTP 210 (Formerly EMT-P D2), EMTP 220 (Formerly EMT-P C1), EMTP 230 (Formerly EMT-P C2). May enter EMTP 240 up to one year after completion of EMTP 200, EMTP 210,

**EMT 106 (.5 UNITS)
EMRG MEDICAL TECH 1-DEFIB****.5 Hrs. Lec**

Prerequisites: Must possess a current EMT I certification, be eligible for EMT I certification, or be currently enrolled in an EMT I course that is approved by the Imperial County Emergency Medical Services Agency. A course developed to train the EMT I in the skill of proper use of a semi-automatic defibrillator on those persons that fall victim to cardiac arrest and demonstrate a cardiac monitor pattern of ventricular fibrillation or ventricular tachycardia. This course will teach the EMT I how and when to use the semi-automatic defibrillator in any given field situation that meets the criteria set forth in California Code of Regulations and in the Imperial County Emergency Medical Services Policies and Procedures. (CSU) (Formerly EMT 1D)

**EMT 107 (2 UNITS)
EMRG MEDICAL TECH 1 REF****2 Hrs. Lec**

Prerequisites: Current EMT I certification or have possessed an EMT I certification within the past 4 years. A course designed to fulfill the California EMT I refresher course requirements for a two year period.

This course will review basic life support topics and procedures to include cardiopulmonary resuscitation training. Topics specific to Imperial County will be presented, as well as changes in policies and procedures. Updated and new materials will be included. Successful completion of this course will satisfy continuing education requirements for the EMT I and will enable the EMT I to be eligible for recertification in the state of California. This course is approved by the Imperial County Emergency Medical Services Agency and is within the training guidelines of the California Code of Regulations and the California Fire Service Training and Education Systems (CFSTES). (Same as FIRE 107/Formerly FIRE 105R) (CSU) (Formerly EMT 1R)

ENGLISH**ENGL 050 (1 UNIT)
LANGUAGE LABORATORY****2 Hr. Lab**

English 050 is a self-paced three semester course which provides individualized interactive conversational English practice with ap6.]2Lab

ENGL 063 (3 UNITS)**LOW INTERM ORAL ENGL FOR ESL****3 Hrs. Lec**

Recommended Preparation: Concurrent enrollment in ENGL 092 (Formerly ENGL 5), ENGL 073 (Formerly ENGL 25), and ENGL 062 (Formerly ENGL 36) or appropriate placement.

English 063 is a grammar-based conversation course in an English-only environment, designed for the low intermediate ESL student. Using spoken English, students will create dialogs and brief summaries of various topics and readings. Emphasis is on using situationally appropriate and grammatically correct language. (Nontransferable, nondegree applicable) (Formerly ENGL 35)

ENGL 064 (3 UNITS)**INTERM ORAL ENGL FOR ESL****3 Hrs. Lec**

Recommended Preparation: Concurrent enrollment in ENGL 093 (Formerly ENGL 4A), ENGL 074 (Formerly ENGL 24), ENGL 084 (Formerly ENGL 14A), ENGL 063 (Formerly ENGL 035) or appropriate placement.

English 064 is a grammar-based conversation class in an English-only environment, designed for the intermediate ESL student. Students will further develop listening comprehension and will increase fluency, accuracy and confidence in oral production. (Nontransferable, nondegree applicable) (Formerly ENGL 34)

ENGL 065 (3 UNITS)**HIGH INTERM ORAL ENGL FOR ESL****3 Hrs. Lec**

Recommended Preparation: ENGL 075 (Formerly ENGL 22A), ENGL 094, ENGL 085 (Formerly ENGL 14B), ENGL 064 (Formerly ENGL 34) or appropriate placement.

English 065 is a grammar-based conversation class in an English-only environment, designed for the high intermediate ESL student. Students will demonstrate greater fluency, accuracy and confidence in oral production through participation in discussions and dialogs based on various readings and topics. (Nontransferable, nondegree applicable) (Formerly ENGL 33)

ENGL 066 (3 UNITS)**ADV PUB SPEAK FOR BIL****3 Hrs. Lec**

Recommended Preparation: ENGL 065 (Formerly ENGL 33).

This course is designed to bring ENGL 065 bilingual students to a near-native level of fluency and listening comprehension so that they may successfully compete with native speakers. Students will prepare, present and evaluate activities such as speeches, oral interpretations, interviews, reports, debates, and simulation games. Emphasis will be given to use of the library to provide appropriate material for topics of academic and community significance. Recommended for students concurrently enrolled in ENGL 098/100, and ENGL 088/089. (This course may be taken as a preparation, but not as a substitute for SPCH 100.) (Nontransferable, nondegree applicable) (Formerly ENGL 32)

ENGL 071 (1 UNIT)**SPELLING****1 Hrs. Lec**

Diagnosis of specific spelling problems and prescription of remedies; investigation of the basic spelling rules. Maximum credit two units. (Nontransferable, nondegree applicable) (Formerly ENGL 63AB)

ENGL 072 (3 UNITS)**BEG READ & VOCAB FOR ESL I****3 Hrs. Lec**

Recommended Preparation: Concurrent enrollment in ENGL 091 (Formerly ENGL 6) and ENGL 062 (Formerly ENGL 36).

Designed for the beginning ESL student in an English-only environ-

ment, this course focuses on the basic elements of reading comprehension and vocabulary development, with attention to oral and written practice with vocabulary words, the parts of speech and spelling. (Nontransferable, nondegree applicable) (Formerly ENGL 26)

ENGL 073 (3 UNITS)**BEG READ & VOCAB FOR ESL II****3 Hrs. Lec**

Recommended Preparation: ENGL 092 (Formerly ENGL 5), ENGL 063 (Formerly ENGL 35), ENGL 72 (Formerly ENGL 26) or appropriate placement.

Designed for the low-intermediate ESL student in an English-only environment, this course focuses on reading comprehension and vocabulary development, with attention to oral and written practice with parts of speech, dictionary skills, word parts and spelling. (Nontransferable, nondegree applicable) (Formerly ENGL 25)

ENGL 074 (3 UNITS)**VOCAB & PHRASAL VERBS I****3 Hrs. Lec**

Recommended Preparation: ENGL 093 (Formerly ENGL 4A), ENGL 064 (Formerly ENGL 34), ENGL 084 (Formerly ENGL 14A), ENGL 075 (Formerly ENGL 25) or appropriate placement.

Designed for the intermediate ESL student in an English-only environment, this course focuses on vocabulary development, with emphasis on phrasal verbs. Oral and written practice is given to parts of speech, dictionary skills, word parts and spelling. (Nontransferable, nondegree applicable) (Formerly ENGL 24)

ENGL 075 (3 UNITS)**VOCAB & PHRASAL VERBS II****3 Hrs. Lec**

Recommended Preparation: ENGL 094 (Formerly ENGL 4B), ENGL 065 (Formerly ENGL 33), ENGL 085 (Formerly ENGL 14B), ENGL 074 (Formerly ENGL 24) or appropriate placement.

Designed for the high intermediate ESL student in an English-only environment, this course focuses on phrasal verbs as well as on vocabulary development, with attention to the parts of speech, English learner's dictionary skills, context clue strategies and spelling. (Nontransferable, nondegree applicable) (Formerly ENGL 22AB)

ENGL 076 (3 UNITS)**VOCABULARY & IDIOMS ADV ESL****3 Hrs. Lec**

Recommended Preparation: ENGL 095 (Formerly ENGL 4B), ENGL 066 (Formerly ENGL 32), ENGL 075 (Formerly ENGL 22AB) or appropriate placement.

Designed for the advanced ESL student in an English-only environment, this course is a vocabulary development course which focuses on American idioms in spoken and written language, with attention to dictionary skills, parts of speech, word parts and spelling. (Nontransferable, nondegree applicable)

ENGL 084 (3.5 UNITS)**READING I: DEV FOR BIL****3 Hrs. Lec**

Recommended Preparation: Appropriate placement recommendation or advancement in the ESL curriculum indicating readiness for the monolingual curriculum.

Course designed to develop reading efficiency of bilingual students. Phonics comprehension, word analysis, vocabulary building will be included, as well as those study skills directly related to reading.

ENGL 085 (3.5 UNITS)
READING I: DEV FOR BIL
3 Hrs. Lec 1 Hr. Lab

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 084 (Formerly ENGL 14A). Course designed to develop reading efficiency of bilingual students. Phonics comprehension, word analysis, vocabulary building will be included, as well as those study skills directly related to reading. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable) (Formerly ENGL 14B)

ENGL 086 (3.5 UNITS)
READING II: BASIC DEVELOPMENT
3 Hrs. Lec

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 085 (Formerly ENGL 14B). A course at the lower intermediate level, first semester, for the student needing additional instruction in comprehension, vocabulary and study skills. Emphasis will be on fundamental understanding of texts, and increasing word knowledge. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable) (Formerly ENGL 13A)

ENGL 087 (3.5 UNITS)
READING II: BASIC DEVELOPMENT
3 Hrs. Lec

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 086 (Formerly ENGL 13A). A course at the lower intermediate level, second semester, for the student needing additional instruction in comprehension, vocabulary and study skills. Emphasis will be on fundamental understanding of texts, and increasing word knowledge. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable) (Formerly ENGL 13B)

ENGL 088 (3.5 UNITS)
READING III: INTERMDEVEL
3 Hrs. Lec

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 087 (Formerly ENGL 13B). A course at the upper intermediate reading level, first semester, designed to refine those skills designated in ENGL 086/087 (Formerly ENGL 13A/13B). Includes additional instruction in study skills, outlining, previewing, summarizing, and critical reading. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, nondegree applicable) (Formerly ENGL 12A)

ENGL 089 (3.5 UNITS)
READING III: INTERMDEVEL
3 Hrs. Lec

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 088 (Formerly ENGL 12A). This course aims to build reading efficiency to college level to ensure reading competency for graduation from IVC and/or successful completion of transfer level courses. Course work includes practice in whole chapter note-taking, vocabulary building, study reading, informed reading of literature, and reinforcement of critical thinking skills. Participation in instructor-assigned reading lab activities is a required part of the course. (Nontransferable, AA/AS degree only) (Formerly ENGL 12B)

ENGL 091 (4 UNITS)
BEG GRAM & COMP FOR ESL
4 Hrs. Lec 1 Hr. Lab

Recommendation Preparation: Appropriate placement recommendation or completion of ENGL 061 (Formerly ENGL 7). Concurrent

enrollment in ENGL 072 and ENGL 062 is strongly recommended. English 091 is a grammar class in an English-only environment designed for the beginning or false beginning ESL student. The course will cover grammar and simple sentence writing. (Nontransferable, nondegree applicable) (Formerly ENGL 6)

ENGL 092 (4 UNITS)
LOW INTERM GRAM & COMP ESL
4 Hrs. Lec 1 Hr. Lab

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 091 (Formerly ENGL 6). Concurrent enrollment in ENGL 073 and ENGL 063 is strongly recommended. English 092 is a grammar class in an English-only environment for the low intermediate ESL student. The course will cover grammar and simple sentence writing. (Nontransferable, nondegree applicable) (Formerly ENGL 5)

ENGL 093 (4 UNITS)
INTERM GRAM & COMP FOR ESL
4 Hrs. Lec 1 Hr. Lab

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 092 (Formerly ENGL 5). Concurrent enrollment in ENGL 064 and ENGL 074 is strongly recommended. English 093 is a grammar class in an English-only environment designed for the intermediate ESL student. This course will emphasize grammar and writing sentences and short paragraphs. (Nontransferable, nondegree applicable) (Formerly ENGL 4A)

ENGL 094 (4 UNITS)
HIGH INTM GRAM & COMP ESL
4 Hrs. Lec 1 Hr. Lab

Recommended Preparation: ENGL 093 (Formerly ENGL 4A) with a grade of "C" or better or appropriate placement. English 094 is a grammar course in an English-only environment designed for the high-intermediate ESL student. This course emphasizes grammar and writing sentences and paragraphs. (Nontransferable, nondegree applicable)

ENGL 095 (3 UNITS)
WRITING PROCESS FOR ADV ESL
3 Hrs. Lec

Recommended Preparation: Appropriate placement recommendation or completion of ENGL 094. Concurrent enrollment in ENGL 076 and ENGL 066 (Formerly ENGL 32) is strongly recommended. English 095 is a writing class in an English-only environment designed for the advanced ESL student. This course is an introduction to paragraph writing and includes pre-writing and brainstorming; sentence structure; review of grammar, mechanics and usage; vocabulary, spelling and format protocol; journal writing; and group sharing of successful models for effective writing. (Nontransferable, nondegree applicable) (Formerly ENGL 4B)

ENGL 096 (3 UNITS)
WRITING FUNDAMENTALS, 1ST SEM
3 Hrs. Lec

Recommended Preparation: Appropriate multiple measure placement recommendation and/or successful completion of ENGL 095 (Formerly ENGL 4B). Concurrent enrollment in an appropriate reading class is strongly recommended. Preparation for English 097 (Formerly ENGL 3B). Intensive instruction in grammar and punctuation and the writing of short paragraphs. Designed for the student needing to acquire basic writing skills and to overcome language transfer interference. Follows in sequence from ENGL 095. Taught simultaneously with ENGL 097. (Nontransferable, nondegree applicable) (Formerly ENGL 3A)

ENGL 224 (3 UNITS)**SURVEY OF ENGLISH LITERATURE****3 Hrs. Lec**

Prerequisite: ENGL 101 (Formerly ENGL 1A) with a grade of "C" or better. Recommended Preparation: ENGL 102 (Formerly ENGL 1B).

Close study of works of major English writers up to the end of the 18th century, with consideration of the more salient aspects of English literary history. (CSU, UC) (CAN ENGL 8) (CAN ENGL SEQ B = ENGL 224 and ENGL 225) (Formerly ENGL 43A)

ENGL 225 (3 UNITS)**SURVEY OF ENGLISH LITERATURE****3 Hrs. Lec**

Prerequisite: ENGL 101 (Formerly ENGL 1A) with a grade of "C" or better. Recommended Preparation: ENGL 102 (Formerly ENGL 1B).

Close study of works of major English writers of the 19th and 20th centuries, with consideration of the more salient aspects of English literary history. May be taken before ENGL 224. (CSU, UC) (CAN ENGL 10) (CAN ENGL SEQ B = ENGL 224 and ENGL 225) (Formerly ENGL 43B)

ENGL 228 (3 UNITS)**INTRO TO THE BIBLE AS LIT****3 Hrs. Lec**

Prerequisite: ENGL 101 (Formerly ENGL 1A) with a grade of "C" or better. Recommended Preparation: ENGL 102 (Formerly ENGL 1B).

A study of literature and history of the Bible. (CSU, UC) (Formerly ENGL 47)

ENGL 230 (3 UNITS)**INTRO TO FILM HIST AND CRIT****2 Hrs. Lec 2 Hr. Lab**

The origin and development of movies as an entertainment industry, as a technological medium, and as an art form. Key films from different historical periods will be examined for their technological and artistic contributions to the art of film making. (CSU, UC) (Formerly ENGL 54)

ENGL 240 (3 UNITS)**INTRO TO TECH & REPORT WRIT****3 Hrs. Lec**

Recommended Preparation: ENGL 100 (Formerly ENGL 2B) or ENGL 101 (Formerly ENGL 1A) or permission of instructor. Practical experience in writing various kinds of technical reports, descriptions, proposals, and evaluations. Writing assignments will be tailored to the interests of individual students. (CSU) (Formerly ENGL 55)

ENGL 250 (3 UNITS)**CREATIVE WRITING****3 Hrs. Lec**

Prerequisite: ENGL 101 (Formerly ENGL 1A) with a grade of "C" or better. Recommended Preparation: ENGL 102 (Formerly ENGL 1B).

Study and application of the principles of literary construction, plus exercises in the writing of imaginative literature, including short story, poetry, drama, and essay. The student may elect to specialize in one of the genres in order to achieve maximum progress. Maximum credit six units. (CSU, UC) (CAN ENGL 6) (Formerly ENGL 53AB)

ENGL 250 (3 UNITS)**CREATIVE WRITING****3 Hrs. Lec**

Prerequisite: ENGL 101 (Formerly ENGL 1A) with a grade of "C" or better. Recommended Preparation: ENGL 102 (Formerly ENGL 1B).

Study and application of the principles of literary construction, plus exercises in the writing of imaginative literature, including short story, poetry, drama, and essay. The student may elect to specialize in one of the genres in order to achieve maximum progress. Maximum credit six units. (CSU, UC) (CAN ENGL 6) (Formerly ENGL 53AB)

ENGL 260 (3 UNITS)**THE MEXICAN AMERICAN IN LIT****3 Hrs. Lec**

Recommended Preparation: Eligibility for ENGL 101 (Formerly 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 the cultural and literary heritage of the Mexican American. Conducted in English. (Same as SPAN 260/Formerly SPAN 28A) (CSU, UC) (Formerly ENGL 46A)

ENGL 261 (3 UNITS)**THE MEXICAN AMERICAN IN LIT****3 Hrs. Lec**

Recommended Preparation: Eligibility for ENGL 101 (Formerly ENGL 1A).

A continuation of ENGL 260 with emphasis on contemporary Mexican American writers. Conducted in English. ENGL 261 may be taken before ENGL 260. (Same as SPAN 261/Formerly SPAN 28B) (CSU, UC) (Formerly ENGL 46B)

ENGL 270 (3 UNITS)**INTRODUCTION TO LINGUISTICS****3 Hrs. Lec**

Recommended Preparation: ENGL 100 (Formerly ENGL 2B) or ENGL 101 (Formerly ENGL 1A) or consent of instructor.

Introduction to the various branches of linguistics: language classification, dialectal variation, psycholinguistics, sociolinguistics, semantics. Specific work on English sounds, grammar, and dialects. Recommended for teachers, teacher aides, students of foreign languages, and anyone interested in extending their knowledge of language. Suitable for English speaking and bilingual students. (CSU, UC) (Formerly ENGL 52)

ENVIRONMENTAL SCIENCE**ENVS 110 (3 UNITS)****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

ENVIRONMENTAL TECHNOLOGY**ENVT 100 (4 UNITS)****INTRO TO ENVIRONMENTAL TECH****4 Hrs. Lec**

Recommended Preparation: ENGL 089 (Formerly ENGL 12B) and ENGL 100 (Formerly ENGL 2B).

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 framework, where to find and how to read 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)

ENVT 103 (3 UNITS)**HAZ WASTE GEN/REDUC/TRTMNT****3 Hrs. Lec**

The study of industrial processes and their generation of waste streams in selected industries to include: electroplating, metal finishing and printed circuit board production, oil refining, and chemical production, geothermal, general manufacturing, commercial printing, and graphic reproduction, agriculture, construction, mining, 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 material 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)

ENVT 105 (3 UNITS)**HAZ MATS MGMT APPLICATION****2 Hrs. Lec 2 Hr. Lab**

Recommended Preparation: ENGL 089 (Formerly ENGL 12B) and ENGL 100 (Formerly ENGL 2B), ENVT 100 and ENVT 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 Communications Standards, 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)

ENVT 107 (3 UNITS)**HAZ WASTE MGMT APPLICATION****2 Hrs. Lec 2 Hr. Lab**

Recommended Preparation: ENVT 100 and ENVT 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, discarding and manifesting of hazardous wastes; storage requirements; permitting and general planning and reporting functions. It will also include a study of the requirements and applications of 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)

ENVT 109 (3 UNITS)

HEALF31 Tc-0.0561 Tw(This course [s])TJENVT 109 asFSt]TJ0 -1.16 TD-

FIRE 102 (3 UNITS)
FIRE PROTECTION EQUIP AND SYS
3 Hrs. Lec

Prerequisite: FIRE 100, concurrent enrollment or equivalent. This course provides information relating to the features of design and operation of fire detection and alarm systems, heat and smoke systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 103 (3 UNITS)
BLDG CONSTRUCT FOR FIRE PROTEC
3 Hrs. Lec

Prerequisite: FIRE 100, concurrent enrollment or equivalent. This course is the study of the components of building that relates to fire safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at fires. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 104 (3 UNITS)
FIRE BEHAV AND COMBUSTION
3 Hrs. Lec

Prerequisite: FIRE 100, concurrent enrollment or equivalent. This course provides theory and fundamentals of how and why fires start, spread, and are controlled. An in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques will be covered. This is one of six CORE courses required for an associate degree in Fire Technology. (CSU)

FIRE 105 (7.5 UNITS)
EMRG MEDICAL TECHNICIAN
7.5 Hrs. Lec

A course designed for individuals who will come in contact with victims of illness or injury primarily in an emergency, pre-hospital environment. This course would be of value to all emergency service personnel, including ambulance personnel, law enforcement, fire services, hospital emergency department, and other rescue personnel. Topics will include roles and responsibilities, evaluation and treatment of illness and injury. Procedures for dealing with life threatening emergencies are presented. The student will be able to gain a functional understanding of assessment-based approaches to patient care as well as the interventions added to the EMT I scope of practice. Hazardous Material training and semi-automatic defibrillation training are included. This course is approved by the Imperial County Emergency Medical Services Agency and is within the training guidelines of California Code of Regulations and the California Fire Service Training and Education Systems (CFSTES). Successful completion will result in eligibility for certification as an EMT I and EMT D. Successful completion will also result in a Training Institute (CSTI) through the Office of Emergency Services (OES). This is one of six courses required for an associate degree in Fire Technology and one of six courses toward eligibility for a Fire Fighter I certificate. (Same as EMT 105/Formerly EMT 1) (CSU)

FIRE 106 (1 UNIT)
FIRST AID/CPR-PUB SAFE 1ST RES
1 Hrs. Lec .3 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 certification/licensure. This course is primarily for fire department and law enforcement personnel. It satisfies the minimum requirements for this type of personnel as outlined in the California Code of Regulations, approved by the California Emergency Medical Services Authority. Upon successful completion of this course, the participant will receive a completion certificate from IVC and a CPR course completion card through the American Heart Association. (CSU)

FIRE 107 (2 UNITS)
EMRG MED TECH I REF
2 Hrs. Lec

Prerequisites: Current EMT I certification or have possessed an EMT I certification within the past 4 years. A course designed to fulfill the California EMT I refresher course requirements for a two year period. This course will review basic life support topics and procedures to include cardiopulmonary resuscitation training. Topics specific to Imperial County will be presented, as well as, changes in policies and procedures. Updated and new materials will be included. Successful completion of this course will satisfy continuing education requirements for the EMT I and will enable the EMT I to be eligible for recertification in the state of California. This course is approved by the Imperial County Emergency Medical Services Agency and is within the training guidelines of the California Code of Regulations and the California Fire Service Training and Education Systems (CFSTES). (Same as EMT 107/Formerly EMT 1R) (CSU) (Formerly FIRE 105R)

FIRE 110 (3 UNITS)
INTRO TO FIRE FIGHTER
3 Hrs. Lec

Introduction into basic fire technology. Course will introduce fire service organization and responsibilities. Fire behavior, extinguishing theory, protection and safety will be presented. Fire equipment such as self-contained breathing apparatus, portable extinguishers, rope, knots, and hitches will be included. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is the first of a six part program that will satisfy course requirements for California State Fire Fighter I certification. (CSU)

FIRE 111 (2.5 UNITS)
STREAMS, NOZZLE, HOSE, APPLIAN
2 Hrs. Lec .5 Hr. Lab

Prerequisite: FIRE 110. A course to continue with training in basic fire technology. Fire streams and nozzles, fire hose and appliance will be presented. Manipulative skills will be included. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is part two of a six part program that will satisfy course requirements for California State Fire Fighter I certificate requirements. (CSU)

FIRE 112 (2.5 UNITS)
GROUND ENTRY AND RESCUE
2 Hrs. Lec .5 Hr. Lab

Prerequisite: FIRE 110. A continuation of basic Fire Fighter I training. Ground ladders, forcible entry, and rescue techniques will be presented. Manipulative performance testing will be included. Course material is within the guidelines of training for Fire Fighter I certification as specified by the California Fire Service Training and Education System (CFSTES) of the office of the State Fire Marshal. This is part three of a six part program that will satisfy course requirements for California State Fire Fighter I certification requirements. (CSU)

FIRE 113 (2 UNITS)
VENTILATION AND FIRE CONTROL
2 Hrs. Lec

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

FIRE 200 (2 UNITS)
DRIVER/OPERATOR-DRIVING
2 Hrs. Lec

This course is designed to meet the technical and driving requirements as established by the State Fire Marshal for fire emergency vehicles. Course will include a study of driver responsibilities, vehicle laws, emergency response procedures, apparatus and equipment inspection and maintenance procedures, maneuvering of fire apparatus through controlled driving exercises and in normal traffic conditions. Successful completion of this course will satisfy one of the requirements to be eligible to apply for certification as a Fire Apparatus Driver/Operator through CFSTES. (CSU) (Formerly FIRE 200A)

FIRE 201 (2 UNITS)
DRIVER/OPERATOR-PUMPING
2 Hrs. Lec

Prerequisite: Completion of 12 units in Fire Technology at the 100 level or current affiliation with a fire agency.

This course is designed to meet the technical and practical requirements for using fire department pumpers as established by the State Fire Marshal. Includes the study of types and design of fire pumps, principles of pumping, review of applied math, hydraulic laws, methods for performing basic field hydraulics, application of mental hydraulics calculations and operations of pumps under fire ground conditions. Successful completion of this course will satisfy one of the requirements to be eligible to apply for certification as a Fire Apparatus Driver/Operator through CFSTES. (CSU) (Formerly FIRE 200B)

FIRE 202 (2 UNITS)
FIRE INVESTIGATION 1A
2 Hrs. Lec

Prerequisite: Completion of 12 units in Fire Technology at the 100 level of current affiliation with a fire agency.

An introduction into fire investigation. This intense course will include principles of determining cause, recognizing and preserving evidence, interviewing witnesses and suspects, arrests and detention procedures, point of origin determination, motives of the fire setter, and report writing. Successful completion will satisfy one of the State Fire Marshal's training requirements for certification a Fire Investigator I. (CSU) (Formerly FIRE 201A)

FIRE 203 (2 UNITS)
FIRE INVESTIGATION 1B
2 Hrs. Lec

Prerequisite: FIRE 202 (Formerly FIRE 201A).

This course provides the participant with information to achieve a deeper understanding of fire investigation. The course builds on Fire Investigation 202 and adds topics of discussion including the juvenile fire setter, in-depth report writing, evidence collection and preservation procedures. Successful completion will satisfy one of the State Fire Marshal's training requirements for certificates as a Fire Investigator I. (CSU) (Formerly FIRE 201B)

FIRE 204 (2 UNITS)
FIRE MANAGEMENT I
2 Hrs. Lec

Recommended Preparation: Completion of 12 units of Fire Technology courses at the 100 level.

A course designed for the transition from Firefighter to Fire Officer by presenting the skills and responsibilities required of first level supervisors. This course provides an overview of supervision, management, and leadership concepts, practices and theories. (CSU) (Formerly FIRE 202)

FIRE 205 (2 UNITS)
FIRE PREVENTION 1A
2 Hrs. Lec

Prerequisite: Completion of 12 units in Fire Technology at the 100 level or current affiliation with a fire agency.

This course is the study of fire prevention. Course will include introduction to organization and function of fire prevention inspections, surveying and mapping procedures and recognition of fire and life

hazards. Material presented will focus on code use, improvements, enforcement and fire cause, considerations of various flammable materials, properties of plastics, and portable and fixed fire prevention requirements for California State Officer Certification. (CSU) (Formerly FIRE 204A)

FIRE 206 (2 UNITS)
FIRE PREVENTION 1B
2 Hrs. Lec

Prerequisite: FIRE 205 (Formerly FIRE 204A).

merly FIRE 204A)**FIRE 206 5 (2 UNITS)FIRE PREVENTION 1B2 Hrs. Lec**

FIRE 210 (2 UNITS)**FIRE COMMAND 1B****2 Hrs. Lec**

Prerequisite: FIRE 209 (Formerly 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) (Formerly FIRE 220B)

FRENCH**FREN 100 (5 UNITS)****ELEMENTARY FRENCH****5 Hrs. Lec**

An intensive beginning course stressing the basic skills of listening comprehension, speaking, reading and writing to develop control of the sounds and the basic forms and structure of French. Introduction to aspects of French culture and civilization. Students must plan for an hour of individual language laboratory by arrangement. Not open to students who have completed three years of high school French. (CSU, UC) (CAN FREN 2) (CAN FREN SEQ A = FREN 100 and FREN 110) (Formerly FREN 1)

FREN 110 (5 UNITS)**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 an hour of individual language laboratory by arrangement. (CAN FREN 4) (CAN FREN SEQ A = FREN 100 and FREN 110) (Formerly FREN 2)

FREN 200 (4 UNITS)**INTERMEDIATE FRENCH****4 Hrs. Lec**

An intermediate course offering review and expansion of grammar and vocabulary learned in FREN 100 and FREN 110. Emphasis on communication and application of knowledge in highly functional life situations. Students must plan for one hour per week of required language laboratory practice by individual study arrangement. (CSU, UC) (Formerly FREN 3)

FREN 210 (4 UNITS)**INTERMEDIATE FRENCH****4 Hrs. Lec**

Continuation of FREN 200 (Formerly 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) (Formerly FREN 4)

FREN 220 (3 UNITS)**INTMD FRENCH RDNG AND WRITING****3 Hrs. Lec**

Intensive reading and vocabulary development based on cultural and literary materials, including critical analysis and summaries. (CSU, UC) (Formerly FREN 5)

FREN 230 (3 UNITS)**INTMD CONV FRENCH****3 Hrs. Lec**

Recommended Preparation: Concurrent enrollment in FREN 200 (Formerly FREN 3).

Practical conversational skills are developed through listening exer-

cises, directed conversations on assigned readings from newspaper and magazine articles, current topics, simple dialogues and plays. Emphasis on contemporary life in countries where French is spoken. Student must plan for an additional hour of individual language laboratory by arrangement. (CSU) (Formerly FREN 10)

FREN 232 (3 UNITS)**INTMD CONV FRENCH****3 Hrs. Lec**

Recommended Preparation: Concurrent enrollment in FREN 210 (Formerly FREN 4).

Continuation of FREN 230 (Formerly FREN 10). Student must plan for an additional hour of individual language laboratory by arrangement. (CSU) (Formerly FREN 11)

FREN 297 (1 UNIT)**FRENCH HONORS****1 Hrs. Lec**

Corequisite: Current enrollment in FREN 110 (Formerly FREN 2). This course will give the language student the opportunity to apply and expand his or her French language skills through the reading, analysis, and subsequent discussion of French films and literary texts. Students will learn to state opinions and offer supporting arguments in written forms as well as in roundtable discussions. (CSU, UC) (Formerly FREN 2H)

GEOGRAPHY**GEOG 100 (3 UNITS)****PHYSICAL GEOGRAPHY****3 Hrs. Lec**

An introduction to the physical characteristics of the earth. Topics include: climate, landforms, natural vegetation, and the water and mineral resources of the earth. (CSU, UC) (CAN GEOG 2) (Formerly GEOG 1)

GEOG 102 (3 UNITS)**CULTURAL GEOGRAPHY****3 Hrs. Lec**

An introduction to the regions and cultures of the world. Emphasis on the contemporary demographic, linguistic, religious, and economic characteristics of major regions in the world. May be taken before GEOG 100. (CSU, UC) (CAN GEOG 4) (Formerly GEOG 2)

GEOG 104 (3 UNITS)**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) (Formerly GEOG 3)

GEOLOGY**GEOL 100 (4 UNITS)****GENERAL GEOLOGY****3 Hrs. Lec**

This course is designed as an introduction to Earth's physical processes, structures and composition, and includes coverage of Earth's internal processes, such as those that cause earthquakes, volcanoes and mountain building; surface processes, such as rivers and waves, wind, glaciers and the landforms that result from these processes; the nature and origin of rocks and minerals that form the Earth's crust; and structures related to folding and faulting, will be studied. (CSU, UC)

GEOL 110 (3 UNITS)
EARTH AND SPACE SCIENCE**3 Hrs. Lec**

This introductory earth and space science course covers basic principles from the fields of geology, astronomy, oceanography, and meteorology. Minerals and rocks, natural processes acting at the earth's surface and within the Earth, plate tectonics, geologic time and dating, composition and motions of the Earth, solar system, phases of the moon, origin and life cycles of stars, galaxies, water movements, ocean floor, weather and climate, along with other related topics, will be studied. (CSU, UC)

HEALTH EDUCATION**HE 100 (2 UNITS)**
HE - MILITARY SERVICE**Hrs. Lec**

Prerequisite: The satisfactory completion of basic or recruit training and 180 days or more active service in the military of the United States of America. The student wishing credit for military service must present his/her DD214 or equivalent supporting document to the Veterans Assistant and register for the credit. If the student registers for military credit and does not submit verification of ser-

HIST 132 (3 UNITS)
MEXICO AND THE AMERICAN
3 Hrs. Lec

A one semester 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 century. (CSU, UC) (Formerly HIST 30)

HIST 170 (3 UNITS)
ORAL HISTORY
3 Hrs. Lec

Through tape-recorded interviews and written documentation, oral history will preserve the past as accurately and completely as possible. Course will emphasize Imperial Valley history and development. (CSU) (Formerly HIST 35)

HIST 220 (3 UNITS)
WOMEN IN AMERICAN HISTORY
3 Hrs. Lec

Recommended Preparation: Eligible for placement in college English (ENGL 101/Formerly ENGL 1A). Any college level course in American History or Political Science.

A general survey of women's changing roles, status and contributions in American history from colonial times to the present. This course will analyze the social, political and economic aspects of women's lives and explore the ways in which race, ethnicity, and class influenced the American female experience. (CSU, UC)

HIST 222 (3 UNITS)
HISTORY OF CALIFORNIA
3 Hrs. Lec

Recommended Preparation: Eligible for placement in college English (ENGL 101); any college level course in American History or Political Science.

A survey of the historical development of California from its earliest times to the present. The course provides an overview of both the physical characteristics and the diverse peoples of California and how they interacted and influenced the history of this state and its economic, social, cultural, and political institutions. This course may be of special interest to students planning a career in education. (CSU)

HIST 223 (3 UNITS)
HISTORY OF AMERICAN WEST
3 Hrs. Lec

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) or equivalent; any college level course in American History or Political Science.

A historical survey of the trans-Mississippi American West with an emphasis on expansionism; race and ethnic relations; economic development; political and legal trends; the shift from rural to urban settlement; social and cultural patterns; labor and economic issues; gender roles; immigration; and significant environmental changes. (CSU)

HIST 226 (3 UNITS)
MEXICAN-AMERICAN HISTORY
3 Hrs. Lec

Recommended preparation: Completion of ENGL 100 (Formerly 2B) or equivalent; any college level course in American History or Political Science.

A historical survey of Mexican-American history in the Southwest from 1821 to 1930. Emphasis will be on examining the major social, cultural, economic, and political developments during this era. The course will also pay close attention to relationships with other social and racial groups. (CSU)

HIST 227 (3 UNITS)
MEXICAN-AMERICAN HIST/1930
3 Hrs. Lec

Recommended preparation: Completion of ENGL 100 (Formerly ENGL 2B) or equivalent; any college level course in American History or Political Science.

A survey of Mexican-American history in the Southwest from 1930 to the present. Emphasis will be on examining the major social, cultural, economic, and political developments during this era. The course examines relationships with other social and racial groups. (CSU)

HOSPITALITY

HOSP 100 (3 UNITS)
INTRO TO THE HOSPITALITY IND
3 Hrs. Lec

This course provides students with an overview of the hospitality industry, its history and the interrelationships of hotel, restaurant, travel, and leisure industries. The perspective of the economic and social influences on hospitality industries provides students with the kind of practical knowledge that can effectively be applied. Emphasis on attitude required of a person seeking a position in the industry.

HOSP 102 (3 UNITS)

**HREL 063 (.5 UNITS)
ORIENTATION TO IVC****.5 Hrs. Lec**

A course required for all new matriculating students to assure that they will be acquainted with the college's programs, services, academic expectations, procedures and policies, campus grounds, and student life. Specifically addressed will be admissions, matriculation and its requirements, rules and regulations as they pertain to students, financial assistance, support services such as the Learning Center, Reading/Writing Lab, Language Lab, Tutorial Services, support programs to include EOPS, Student Support Services, and Disabled Student Programs and Services, teacher/student/institution expectations, study skills, development of a preliminary Student Education Plan (SEP), registration assistance, and campus life. (Non-transferable, AA/AS degree only) (Formerly H REL 63A)

**HREL 064 (1 UNIT)
ORIENTATION TO COL & LIFE SKLS****1 Hrs. Lec**

A course designed to assist students with personal adjustment to college life, focusing on the development resources for problem solving and dealing with crisis. Topics include stress and coping, anxiety and depression, relationships, decision-making, sexual identity and choices, substance abuse, and community resources. (Nontransferable, AA/AS degree only) (Formerly H REL 63C)

**HREL 065 (1 UNIT)
THE STUDENT IN COL AFFAIRS****1 Hrs. Lec**

Designed to develop leadership qualities in students desiring to better understand the principles of publicity, finance, organization procedures, group dynamics, and human relations. Offered Credit/No Credit only. Maximum credit four units. (Nontransferable, AA/AD degree only) (Formerly H REL 65AD)

**HREL 100 (3 UNITS)
PERSONAL & CAREER DEV****3 Hrs. Lec**

This course examines the process a student would follow in making a realistic career decision. Students planning to enter professions involving helping relationships such as education, social work, counseling, psychology, community work, and related areas, in addition to students who are undecided about their own future, would profit from the course. Self-awareness will be appraised by testing and discussing interests, aptitudes, abilities, limitations, needs and life goals. Career awareness will be facilitated by exploring the world of work in terms of occupational outlook, wages, training required, opportunities for advancement and life styles. (CSU) (Formerly H REL 8)

HUMANITIES**HUM 100 (3 UNITS)
INTRO 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 humanistic values and how they are reflected in the arts of world cultures. (CSU, UC) (Formerly HUM 25)

**HUM 212 (3 UNITS)
THE HIST & APPRECIATION OF DAN****3 Hrs. Lec**

Foundations of dance in western civilization. Dance as art, therapy, ritual and social discourse. Analysis of dance in film, video, and live performance. Appreciation for artistic intent, technique and style. (Same as PE 212/Formerly PE 63) (CSU, UC) (Formerly HUM 21)

JOURNALISM**JRN 100 (3 UNITS)
INTRODUCTION TO JOURNALISM****3 Hrs. Lec**

Recommended Preparation: Eligibility for ENGL 100 (Formerly ENGL 2B) or ENGL 101 (Formerly ENGL 1A).

The course focuses on the newspaper as a vehicle for communication within a community. Students study basic components of print journalism, including types of articles, writing style, interview techniques, make-up and ethics. (CSU) (Formerly JRN 1)

**JRN 102 (3 UNITS)
NEWSP. CFNEWSP. CF**





**MATH 220 (3 UNITS)
ELEM DIFFERENTIAL EQUATIONS****3 Hrs. Lec**

Prerequisite: MATH 194 (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) (CAN MATH 24) (Formerly MATH 5)

**MATH 230 (3 UNITS)
INTRO LINEAR ALG W/APPLS****3 Hrs. Lec**

Prerequisite: MATH 194 (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) (CAN MATH 26) (Formerly MATH 6)

**MATH 240 (3 UNITS)
DISCRETE MATHEMATICS****3 Hrs. Lec**

Prerequisite: MATH 192 (Formerly MATH 3A) with a grade of "C" or better.

This course is an introduction to the theory of discrete mathematics and introduces elementary concepts in logic, set theory, graph theory, number theory and combinatorics. This forms a basis for upper division courses in mathematics and computer science, and is intended for the transfer student planning to major in these disciplines. The topics covered in this course include methods of proof, sets permutations, combinations, and graph theory. (CSU, UC)

**MATH 241 (1 UNIT)
MATH SOFTWARE-MATLAB****1 Hrs. Lec**

Prerequisite: MATH 192

Recommended preparation: Any one of the following: CIS 12, CIS 13, CIS 15, OR CIS 16

An introduction to MATLAB. MATLAB will be used to perform tasks in Algebra, Calculus, and Linear Algebra. There will be an emphasis on writing programs using MATLAB to perform these tasks.

MUSIC**MUS 100 (3 UNITS)
INTRO TO MUSIC FOUNDATIONS****3 Hrs. Lec**

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

**MUS 102 (3 UNITS)
INTRO TO MUSIC LIT & LISTENING****3 Hrs. Lec**

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) (Formerly MUS 30)

**MUS 104 (3 UNITS)
INTRO TO TWENTIETH-CENTURY MUS****3 Hrs. Lec**

An introduction to contemporary music. Study includes twentieth-century art music, country western, and popular music with emphasis on the social and artistic factors that influence the development of each. (CSU, UC) (Formerly MUS 31)

**MUS 110 (2 UNITS)
BEGINNING MUSICIANSHIP I****2 Hrs. Lec**

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) (Formerly MUS 8A)

**MUS 112 (2 UNITS)
BEGINNING MUSICIANSHIP II****2 Hrs. Lec**

Continuation of MUS 110. (CSU, UC) (Formerly MUS 8B)

**MUS 120 (3 UNITS)
BEGINNING HARMONY I****3 Hrs. Lec**

Sight-singing, dictation and keyboard harmony. Traditional diatonic harmony, four-voice writing, analysis. (CSU, UC) (Formerly MUS 9A)

**MUS 122 (3 UNITS)
BEGINNING HARMONY II****3 Hrs. Lec**

A continuation of MUS 120. (CSU, UC) (Formerly MUS 9B)

**MUS 140 (1 UNIT)
BEGINNING GROUP PIANO I****1 Hrs. Lec 2 Hr. Lab**

A course structured to correlate those musical skills, techniques and understanding which are basic to comprehensive keyboard musicianship at the early level of study

MUS 156 (1 UNIT)**COLLEGE-COMMUNITY CHORUS****2 Hrs. Lec 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. Maximum credit four units. (CSU, UC) (Formerly MUS 28AD)

MUS 160 (1 UNIT)**BEGINNING GUITAR I**

MUS 182 (2 UNITS)**INTRO TO RECORDING TECH****2 Hrs. Lec 1 Hr. Lab**

This course is a study in the art of digital audio recording and how to record in the IVC Digital Recording Studio. The curriculum will cover the signal flow the mixing console as it applies to recording, microphones and techniques of application, signal processing, digital recording operation and the use of digital audio/sequencing software. (CSU) (Formerly MUS 42A)

MUS 184 (2 UNITS)**ADVANCED RECORDING TECH****1 Hrs. Lec 2 Hr. Lab**

Prerequisites: MUS 182 (Formerly MUS 42A).

This course is a continuation in the study of digital audio recording and how to make a professional sounding compact disk using the IVC Digital Recording Studio. The curriculum will cover alleviating basic problems in the recording process, console automation, SMPTE and MIDI synchronization, the fundamentals involved in a mix-down and the skills for planning and executing a recording session. (CSU) (Formerly MUS 42B)

MUS 200 (3 UNITS)**HIST & LITERATURE OF MUSIC I****3 Hrs. Lec**

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) (Formerly MUS 20A)

MUS 202 (3 UNITS)**HIST & LITERATURE OF MUSIC II****3 Hrs. Lec**

A continuation of MUS 200 (Formerly MUS 20A). (CSU, UC) (Formerly MUS 20B)

MUS 210 (2 UNITS)**INTERMEDIATE MUSICIANSHIP I****2 Hrs. Lec**

A continuation of MUS 110 (Formerly MUS 8A) and MUS 112

NURS 110 (4.5 UNITS)**NURSING PROCESS I****4.5 Hrs. Lec**

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101 (Formerly ENGL 1A); Psychology 101 (Formerly PSYCH 1A); BIOL 200 and 202 (Formerly BIOL 110 and 112) OR BIOL 204 and 206 (Formerly ANAT 8 and PHYSIO 1); BIOL 220 (Formerly BIOL 21) with grades of "C" or better and admission to the Nursing program.

Corequisite(s): NURS 100, NURS 111; NURS 112; and, SOC 101 OR ANTH 102.

This course is designed as the introductory course in the nursing program and incorporates previous science, psychology, and communication theory. Theoretical concepts basic to the provision of safe nursing practice are introduced. The Scope of Practice of the Registered Nurse and other members of the health care team are examined. Components of the nursing process are reviewed. Through utilization of developmental theories (primarily Erikson) and the Roy Adaptation Model, this course focuses on the nursing role as communicator, provider of care, and client teacher for individuals experiencing adaptation problems across the lifespan in the physiologic mode, psychologic mode, and selected adaptation problems. Parameters of health are defined and philosophies of nursing are investigated. The aging process is introduced. The physical and psychological needs of the normal and ill individual are explored. Pain assessment, interventions, and evaluation are discussed. Basic nutrition is introduced as one of the caring practices involved in client care. Stress, adaptation, and communication skills are stressed as important nursing roles. Variations in nursing care for individuals of different socio-economic and cultural backgrounds will be considered. (CSU)

NURS 111 (1.5 UNITS)**NURSING SKILLS LABORATORY I****4.5 Hr. Lab**

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101 (Formerly ENGL 1A); Psychology 101 (Formerly PSYCH 1A); BIOL 200 and 202 (Formerly BIOL 110 and 112) OR BIOL 204 and 206 (Formerly ANAT 8 and PHYSIO 1); BIOL 220 (Formerly BIOL 21) with grades of "C" or better and admission to the Nursing program.

Corequisite(s): NURS 100; NURS 110; NURS 112; NURS 114; and, SOC 101 OR ANTH 102.

Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by skills checkoff by an instructor. Skills theory will be part of the demonstration. (CSU)

NURS 112 (4 UNITS)**NURSING PROCESS APPLICATION I****12 Hr. Lab**

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101 (Formerly ENGL 1A); Psychology 101 (Formerly PSYCH 1A); BIOL 200 and 202 (Formerly BIOL 110 and 112) OR BIOL 204 and 206 (Formerly ANAT 8 and PHYSIO 1); BIOL 220 (Formerly BIOL 21) with grades of "C" or better and admission to the Nursing program.

Corequisite(s): NURS 100; NURS 110; NURS 111; NURS 114; and, SOC 101 OR ANTH 102.

This course involves clinical application of both theoretical concepts taught in Nursing Process I (NURS 110) and tactile skills taught in Nursing Skills Laboratory 1 (NURS 111). All aspects of the nursing process will be applied to client situations. (CSU)

NURS 116 (2 UNITS)**PHARMACOLOGY****2 Hrs. Lec**

Prerequisite(s): Demonstration of Math Competency; Demonstration of English Competency; English 101 (Formerly ENGL 1A); Psychology 101 (Formerly PSYCH 1A); BIOL 200 and 202 (Formerly BIOL 110 and 112) OR BIOL 204 and 206 (Formerly ANAT 8 and PHYSIO 1); BIOL 220 (Formerly BIOL 21) with grades of "C" or better and admission to the Nursing program.

Corequisite(s): NURS 100; NURS 110; NURS 111; NURS 112; and SOC 101 OR ANTH 102.

Recommended Preparation: MATH 080 with a grade of "C" or better or higher level course.

This course focuses on those components of pharmacology related to safe nursing care. The course includes information about the general classifications of drugs and principles of therapy related to the effects, actions, and therapeutic use of each drug. Nursing actions and rationale for nursing actions are explored. Clinical application is integrated into the clinical nursing courses. (CSU)

NURS 120 (4.5 UNITS)**NURSING PROCESS II****4.5 Hrs. Lec**

Prerequisite(s): NURS 110; NURS 111; NURS 112; and, SOC 101 OR ANTH 102.

Corequisite(s): NURS 121 and NURS 122

This course is designed to integrate previous science and nursing course theory. This course provides a theoretical perspective, science-based knowledge and principles needed by students to guide their application of the nursing process and choice of nursing interventions for individuals with common physiological alterations. Professional, legal, and ethical issues are explored.

Through utilization of developmental theories (primarily Erikson) and the Roy Adaptation Model, this course focuses on the nursing role as communicator, provider of care, and client teacher for individuals experiencing adaptation problems across the lifespan in the physiologic mode, psychologic mode, and selected adaptation problems for a person with common and/or chronic medical and/or surgical conditions related to surgery, respiratory system, reproductive system, and integumentary system. Maternal nursing care is presented, including antenatal, intrapartum, and postpartum normal and abnormal adaptation. Normal and high-risk neonatal care are examined. Components of infusion therapy will also be discussed. Variations in nursing care for individuals of different socio-economic and cultural backgrounds will be considered. (CSU)

NURS 121 (1 UNIT)**NURSING SKILLS LABORATORY II****3 Hr. Lab**

Prerequisite(s): NURS 110; NURS 111; NURS 112; NURS 114; and, SOC 101 OR ANTH 102.

Corequisite(s): NURS 120 and NURS 122.

This course builds on theory, skills, and clinical applications learned in Semester 1. Tactile skills essential to safe nursing practice will be demonstrated in the nursing skills laboratory. Students will have the opportunity for supervised and individual practice followed by skills checkoff by the instructor. Skills will be part of the demonstration. (CSU)

NURS 122 (4 UNITS)**NURSING PROCESS APPLICATION II****12 Hr. Lab**

Prerequisite(s): NURS 110, NURS 111, NURS 112, NURS 114.

Corequisite(s): NURS 120 and NURS 121.

This course involves clinical application of both theoretical concepts taught in Nursing Process I and II and tactile skills taught in Nursing Skills Laboratory I and II. All aspects of the nursing process will be applied to client situations. (CSU)

NURS 126 (3 UNITS)**PHYSICAL ASSESSMENT SKILLS****3 Hrs. Lec**

Class is limited to 15 students. This course is designed to delineate assessment parameters and variations common to the adult patient. Students will be given the opportunity to learn how to make rapid, accurate patient assessments. They will identify and discuss common findings, observe assessment techniques, and do return demonstrations. Individuals who wish to improve their physical assessment skills are the focus of this course. (CSU) (Formerly RN 41)

NURS 200 (2.5 UNITS)**PSYCHIATRIC NURSING****2.5 Hrs. Lec**

Prerequisite(s): NURS 110; NURS 111; NURS 112; and, SOC 101 OR ANTH 102.

Corequisite(s): NURS 202.

This course provides theoretical perspective, science-based knowledge, and principles needed by students to guide their application of the nursing processes and choice of nursing interventions for individuals with pathophysiological and psychopathological adaptation problems relating to mental health. Psychiatric nursing is concerned with an individual's response to stress and crisis. The promotion of mental health through primary prevention, intervention in maladaptive disorders, and rehabilitation of chronic disorders is presented in concurrent classroom and clinical settings. Cultural, social, age related, legal and ethical attitudes toward behaviors, which deviate from accepted norms, are discussed. This course focuses on the nursing role as communicator, provider of care, and client teacher for individuals experiencing adaptation problems related to mental health. Through utilization of the nursing process and the Roy Adaptation Model, the student is expected to formulate nursing diagnosis for existing and potential problems, to establish short and long-term nursing care goals, intervene appropriately and evaluate nursing goals for clients with complex maladaptive behaviors. (CSU)

NURS 202 (1.5 UNITS)**PSYCHIATRIC NURSING APPL****4.5 Hr. Lab**

Prerequisite(s): NURS 110, NURS 111, NURS 112, NURS 114.

Co-requisite: NURS 200.

This course involves clinical application of theoretical concepts taught in Psychiatric Nursing. Treatment and evaluation utilizing all aspects of the nursing process in psychiatric and mental health services will be applied to a variety of client situations. (CSU)

NURS 204 (3 UNITS)**TRANSITION TO AS DEGREE NURSING****2.5 Hrs. Lec 1.5 Hr. Lab**

Prerequisite: Completion of advanced placement requirements which include an Active California LVN license and at least 6 months of work experience or permission of the instructor.

Co-requisite: BIO0puf656 Tw(an(TRIC NURSING).5 Hr. Lab)]TJ/F2 10aabsIT7



**PE 114 (2 UNITS)
DANCE THEATER****4 Hr. Lab**

A performance group presenting all forms of dance and related theatre arts. A minimum of five outside performances required each semester. Meets physical education activity requirement. Maximum credit eight units. (CSU, UC) (Formerly PE 28AD)

**PE 115 (1 UNIT)
DANCE - JAZZ****2 Hr. Lab**

A study of syncopated movement. Maximum credit four units. (CSU, UC) (Formerly PE 29AD)

**PE 116 (1 UNIT)
DANCE - MODERN****2 Hr. Lab**

Participation and instruction in rhythmic fundamentals, factors related to movement, movement fundamentals and dance skills, creative activity, and evaluation. Designed to develop the student's ability to use expressive body movements in a creative art form. More complex individual dance sketches and small group dance studies. Maximum credit four units. (CSU, UC) (Formerly PE 26AD)

**PE 117 (1 UNIT)
GOLF****2 Hr. Lab**

Offers training in the fundamentals of strokes with irons, woods, and putters; includes rules and etiquette of the game. Actual participation upon a golf course and the worthy use of leisure time and emphasized. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 18AD)

**PE 118 (1 UNIT)
GOLF - ADVANCED****2 Hr. Lab**

Recommended Preparation: PE 117 (Formerly PE 18AD).

Advanced training in strokes with irons, woods, and putters; includes rules of the game and emphasis on strategies and tournament play. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 19AD)

**PE 119 (1 UNIT)
SELF-DEFENSE****2 Hr. Lab**

A study of the art of self defense through boxing, wrestling and elements of martial arts as it relates to self defense. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 44AD)

**PE 120 (1 UNIT)
SOFTBALL****2 Hr. Lab**

This course is designed to emphasize the fundamentals, knowledge of rules, coaching techniques, and basic knowledge of the game of softball. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 20AD)

**PE 121 (1 UNIT)
SWIMMING****2 Hr. Lab**

This course is concerned with teaching the student to successfully execute the proper strokes for swimming. Skills, fundamentals, and safety knowledge are stressed from the beginner to the intermediate swimmer. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 5AD)

**PE 122 (2 UNITS)
LIFEGUARD TRAINING****1.5 Hrs. Lec 1.5 Hr. Lab**

Prerequisites: Demonstrated swimming proficiency.

This course provides the most current instruction in the American Red Cross (ARC) lifeguard training techniques, first aid and CPR skills required to prepare for a lifeguard position. Upon successful completion, a student will earn certifications in both ARC Lifeguard Training techniques, proficiency

Maximum credit four units. (Formerly PE 6267 TD-0.0003 Tc-0.0216 Tw[(PE 121 (2 UNITS))]TJ3 -1.12 TD-0.0325

PE 129 (1 UNIT)
VOLLEYBALL-ADVANCED**2 Hr. Lab**

Recommended Preparation: Completion of four semesters of PE 128 (Formerly PE 11AD) and demonstrate competency in advanced skills. Continuation of PE 128. More advanced volleyball skills. More emphasis on tournament play and advanced strategy. More emphasis will be placed on spiking and blocking. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 14AD)

PE 130 (1 UNIT)
ADAPTED PHYSICAL EXERCISE**2 Hr. Lab**

Prerequisite: A signed physician's medical release form is required. Level of strength and ability sufficient to avoid injury to the student and others in course activities is required.

Open only to students who are unable to participate in the regular physical education program. The course is specifically designed to meet the individual needs of these students. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 9AD)

PE 131 (1 UNIT)
INDV SPORTS/PEOPLE DISABILITY**2 Hr. Lab**

Prerequisite: A signed physician's medical release form is required. Level of strength and ability sufficient to avoid injury to the student and others in course activities is required.

This course is designed to broaden the physically disabled student's awareness of group activities and develop a willingness to participate. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 45AD)

PE 132 (1 UNIT)
GRP SPORTS/PEOPLE DISABILITY**2 Hr. Lab**

Prerequisite: A signed physician's medical release form is required. Level of strength and ability sufficient to avoid injury to the student and others in course activities is required.

This course is designed to broaden the physically disabled student's awareness of group activities and develop a willingness to participate. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 45AD) This course is designed to broaden the physically disabled student's awareness of group activities and develop a willingness to participate. Maximum credit four units. (CSU) (UC credit limited. See a counselor.) (Formerly PE 46AD)

PE 140 (1 UNIT)
BASEBALL-ADVANCED**2 Hr. Lab**

Recommended Preparation: Participation on high school (or equivalent) baseball team.

This course is designed for those students of advanced ability in baseball skills who have an interest in playing competitive baseball at

PHYSICS

PHYS 100 (4 UNITS)

INTRO TO PHYSICS/HEALTH PROF

3 Hrs. Lec 3 Hr. Lab

PSY 130 (3 UNITS)**GROUP LEADERSHIP & PROCESS****3 Hrs. Lec**

This course will introduce the student to group theory and process, and how groups affect the whole social scene. It will examine membership in, and leadership of, various kinds of groups, emphasizing group process. Consideration will be given to goals and strategies of social change and the necessity for social change in relation to personal and social values. The factors involved in problems of communications, effective emotional responses and personal growth also will be highlighted, emphasizing the group process as a means of changing behavior. (Same as ADS 130/Formerly ADS 53) (CSU) (Formerly PSYCH 53)

PSY 142 (3 UNITS)**PSYCHOLOGY OF ADJUSTMENT****3 Hrs. Lec**

Recommended Preparation: Twelfth grade reading level strongly recommended.

PSY 221 (3 UNITS)**PRACTICUM****1 Hrs. Lec 6 Hr. Lab**

Prerequisite: ADS/PSY 220 (Formerly ADS/PSYCH 11A).

A continuation of ADS/PSY 220 with emphasis in gaining further experience in the same institution or agency or a different institution or agency. (Same as ADS 221/Formerly ADS 11B) (CSU) (Formerly PSYCH 11B)

RECREATION**REC 100 (3 UNITS)****INTRODUCTION TO LEISURE****3 Hrs. Lec**

Presents the basic ideas and problems in our contemporary society and projects this thinking into the future when greater amounts of leisure time will be at our disposal. The course shows the need of our citizenry 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) (Formerly REC 70)

REC 101 (3 UNITS)**SOCIAL RECREATION****3 Hrs. Lec**

A theory and activity course designed to present instruction material and information necessary to effectively conduct social recreation in clubs, playgrounds, recreation centers, churches, and camps. Emphasis is on the social development and integration of individuals into group programs, including planning, programming, and conducting social recreation activities. (CSU) (Formerly REC 71)

REC 102 (3 UNITS)**OUTDOOR RECREATION****2 Hrs. Lec 3 Hr. 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 fire crafts, outdoor cooking and backpacking. Leadership training in camp counseling. Required for recreation majors. Will not satisfy PE requirement. (CSU) (Formerly REC 72)

REC 103 (4 UNITS)**RECREATION FOR SPECIAL GROUPS****2 Hrs. Lec 4 Hr. Lab**

Field work in therapeutic recreation in the community. The special groups emphasis area 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) (Formerly REC 73)

SOCIAL WORK**SW 220 (3 UNITS)****INTRODUCTION TO SOCIAL WORK****3 Hrs. Lec**

A survey course that introduces the field of social work as a profession within the context of the institution of social welfare. Development of an understanding of social work principles, goals, values, and methods through readings and class discussion. An unpaid assignment in an agency setting is required. (CSU)

SOCIOLOGY**SOC 101 (3 UNITS)****INTRODUCTORY SOCIOLOGY****3 Hrs. Lec**

An introductory course to the study of society. Major ideas, concepts, and methods in the study of society to include culture, social structure, social stratification, deviance and social control, social change, and marriage in the family. (CSU, UC) (CAN SOC 2) (Formerly SOC 1)

SOC 102 (3 UNITS)**CONTEMPORARY SOCIAL PROBLEMS****3 Hrs. Lec**

This course deals with contemporary social problems and will cover those areas that are currently being defined by our society as problem issues. Emphasis will be given to understanding these problems on the societal level, the group level, and from the standpoint of the individual. (CSU, UC) (CAN SOC 4) (Formerly SOC 2)

SOC 110 (3 UNITS)**MARRIAGE AND THE FAMILY****3 Hrs. Lec**

An introductory course to marriage and the family. Major ideas and concepts include: the history of love and marriage, myths and hidden realities, sex roles, singlehood and pairing, communication and conflict resolution, separation and divorce, remarriage. (CSU) (Formerly SOC 33)

SOC 124 (3 UNITS)**CRIMINOLOGY****3 Hrs. Lec**

Recommended Preparation: Completion of ENGL 100 (Formerly ENGL 2B) and ENGL 089 (Formerly 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 124/Formerly AJ 30) (CSU) (Formerly SOC 30)

SOC 150 (3 UNITS)**SOCIOLOGY OF MINORITY GROUPS****3 Hrs. Lec**

This course includes the study of the theories of prejudice and discrimination of different groups within American society. It will cover an historical analysis of the problems of these groups and typical areas will include racism, sexism, ageism, and ethnic and religious discrimination. (Same as ADS 150/Formerly ADS 10) (CSU, UC) (Formerly SOC 10)

SOC 160 (3 UNITS)**HUMAN SERVS CHNGNG SOCIETY****3 Hrs. Lec**

History, philosophy and the development of thought in social work. A content area designed to identify and analyze the primary helping services in urban and rural America. Observation and reporting techniques will be emphasized. This course will identify new programs and careers in the emerging Human Services field. (Same as ADS 160/Formerly ADS 50) (CSU) (Formerly SOC 50)

SOC 206 (3 UNITS)**SOCIAL PSYCHOLOGY****3 Hrs. Lec**

The study of how personality and behavior are influenced by the social environment. The conceptual and research focus is on the relationship between the individual and society. This course includes such topics as: self-concept and social identity, group behavior and group membership. (Same as PSY 206/Formerly PSYCH 17) (CSU, UC) (Formerly SOC 17)



WELD 260 (5 UNITS)**WELDER QUALIF & BLUEPRINT RDNG****3 Hrs. Lec 6 Hr. Lab**

Recommended Preparation: WELD 220 (Formerly WELD 36A) or WELD 240 (Formerly WELD 36B). Emphasis is on welding operator qualification testing. This course is for the experienced welder and for the student completing the final phase of the Welding Technology Program. A detailed study of blueprint reading is included to further develop the welder's abilities. (CSU) (Formerly WELD 36C)

WORK EXPERIENCE**WE 201 (1 UNIT)****EMPLOYMENT READINESS****1 Hrs. Lec**

A course that may be taken as a stand-alone or as a companion course related to WE 210 (Formerly WEGEN 81AC) or WE 220 (Formerly WEINT 82AD). Skills development in the areas of job search, employer contact, resume writing, applications and cover letter, interviewing techniques, appropriate dress, job-holding practices, and on-site job learning objectives. A review of factors relating to or contributing to job success, including motivation, attitude, human relations, leadership, personal, as well as, group relationships and behavior. May be repeated for a total of four units. (CSU)

WE 210 (1 - 3 UNITS)**GENERAL WORK EXPERIENCE****3.5 TO 12.5 Hr. Lab**

Corequisite: Must be taken in conjunction with WE 201 (Formerly WE 80AD). A sequence of on-the-job learning experiences designed to assist the student in acquiring desirable work habits, attitudes and career awareness. Current employment for volunteer/unpaid experience need not be related to the students' educational goal. One unit of credit is earned for each 60 hours of volunteer/unpaid work or 75 hours of paid work, with a maximum of three units per session, students must complete one other course in addition to Work Experience. May be repeated a maximum of three times for a maximum of six units. (CSU) (Formerly WEGEN 81AC)

WE 220 (1 - 4 UNITS)**INTERNSHIP****3.5 TO 17 Hrs. Lec**

Corequisite: Must be taken in conjunction with WE 201 (Formerly WE 80AD).

A course that is supervised employment extending classroom-based occupational learning at an on-the-job learning site relating to the students' educational or occupational (major or career) goals. One unit of credit is earned for each 60 hours (3.8 to 15 hours a week) of volunteer/unpaid work or 75 hours (4.7 to 18.8 hours a week) of paid work, with a maximum of 4 units per semester. During a regular semester, students must complete a minimum of 7 units, including Work Experience. During the summer session, students must complete one other course in addition to Work Experience. Maximum credit sixteen units. (CSU) (Formerly WEOCC 82AD)

MAJORS

Generally, eighteen (18) units of specified course work will satisfy the requirement for the major. However, some majors will require more than eighteen (18) units. Please note the specified number of required units at the beginning of each major description.

The following definitions apply to the major descriptions shown in this catalog:

1. **“Required courses”** are the specific courses which must be taken to fulfill the requirements in an area of study.
2. **“Acceptable courses”** are those from which the student may select in order to meet the total units requirement. The total number of units from the required course list, plus the number of units selected by the student from the acceptable course list, must equal at least the total unit count required for the major.
3. **“Recommended Courses”** are courses that are recommended as electives beyond the major’s requirement. These courses are suggested only, and selection from this list depends upon the student’s individual desire and the total number of electives available within his/her own program.

Students may satisfy the major requirements in the following fields of study:

ADMINISTRATION OF JUSTICE (MAJOR CODE: 0102)

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

Twenty-four (24) units required for the major

- I. Required courses for the major**
 - AJ 100 Intro to the Administration of Justice 3
 - AJ/CSI 102 Concepts of Criminal Law 3
 - AJ 104 Legal Aspects of Evidence 3
 - AJ 106 Principles and Procedures of the Justice System 3
 - AJ 110 Police Community Relations 3
 - AJ/CSI 120 Public Safety Communications 3
- II. Acceptable courses for the major**
(6 units from the following courses).
 - AJ 080 Security Guard (Arrest) 0.5
 - AJ 121 Police Field Operations 3
 - AJ 122 Criminal Investigation 3
 - AJ 123 Juvenile Control 3
 - AJ/SOC 124 Criminology 3
 - AJ 141 Arrest and Firearms 3.5
 - CSI 100 Introduction to Corrections 3
 - CSI 104 Concepts of Probation & Parole 3
- III. Recommended as electives** (do **NOT** fulfill major requirements)
 - AJ 143 Reserve Officers Level III 7
 - AJ 144 Reserve Officers Level II 13.5
 - AJ 150 Advanced Officers Course 5-3

AGRICULTURAL BUSINESS MANAGEMENT (MAJOR CODE: 0002)

The Agricultural Business Management major is the application of business concepts to the agricultural industry and emphasizes training in management for careers in agriculture. These careers may include the management and operations of farms as well as in the management of firms that supply the service to farms and by those engaged in processing, marketing, distribution, and sales of farm products.

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

Twenty-four (24) units required for the major

- I. Required courses for the major**
 - AG 130 Agricultural Economics 3
 - AG/BUS 132 Business Management 3
 - AG 134 Agricultural Bus Organization 3
 - AG 136 Agricultural Sales and Service Management ... 3
 - CIS 101 Intro to Information Systems 3
 - ECON 102 Intro to Microeconomics 3
- II. Acceptable courses for the major**
(select a minimum of 6 units)
 - AG 080 Pesticide Safety 1
 - AG 120 Soil Science 3
 - AG 160 Food & Fiber in a Changing World 3
 - BUS 126 Business and the Legal Environment 3
 - BUS 210 Principles of Financial Accounting 4
 - BUS 220 Principles of Managerial Accounting 4
 - CHEM 100 Introduction to Chemistry 4

AGRICULTURAL SCIENCE (MAJOR CODE: 0008)

The Agricultural Science major deals with the application of the various principles of the biological and physical sciences in agriculture. The course offerings are fundamental and broad in scope so that students can prepare for transfer or one of the hundreds of opportunities in Animal or Soil Science.

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

Twenty-six (26) units required for the major

- I. Required courses for the major**
 - AG 120 Soil Science 3
 - AG 140 Principles of Plant Science 4
 - AG 170 Entomology 3
 - CHEM 100 Introduction to Chemistry 4
 - CIS 101 Introduction to Information Systems 3
- II. Acceptable Courses** (select a minimum of 9 units)
 - AG 160 Food and Fiber in a Changing World 3
 - AG 220 Irrigation and Drainage 3
 - AG 230 Fertilizers and Soil Amendments 3
 - AG 240 Field and Cereal Crops 4
 - AG 250 Vegetable Crops 3

**ALCOHOL AND DRUG STUDIES
(MAJOR CODE: 0415)**

**AUTOMOTIVE TECHNOLOGY
(MAJOR CODE: 1001)**

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

Thirty-nine (39) units required for the major

I. Required courses for the major

AU T 110	Engine Technology	4
AU T 125	Automotive Brakes	4
AU T 130	Automotive Electronics I	3
AU T 150	Automatic Electronics II	4
AU T 155	Suspension and Wheel Alignment	4
AU T 160	Engine Performance Tune-Up	3
AU T 170	Engine Diagnosis and Repair	3
AU T 180	Manual Trans and Power Trains	4
AU T 210	Automotive Air Conditioning	3
AU T 220	Mechanical Automatic Transmissions	4
AU T 230	Emissions Control and Computer Systems	3

II. Recommended courses for the major (NOT required)

CIS 100	Computer Literacy	1
OR		
CIS 110	Windows Operating Systems	1
MATH 070	Basic Mathematics	3
WELD 130	Welding Technology	5
WE 201	Employment Readiness Class	1
WE 220	Internship	1-4

**BEHAVIORAL SCIENCE
(MAJOR CODE: 0889)**

The requirement for a major in Behavioral Science may be satisfied by taking 18 units from the following list. Three units in each discipline are recommended. No more than 12 units may be taken in any discipline.

I. Required courses for the major

Anthropology

ANTH 100	Physical Anthropology	3
ANTH 102	Cultural Anthropology	3

Psychology

CFCS/DSPS 240	Understanding Exceptional Students	3
MATH 120	Introductory Statistics with Applications	3
PSY 101	Introduction to Psychology	3
PSY/CFCS 106	Developmental Psychology of Children	3
PSY/ADS 120	Introduction to Counseling	3
PSY 142	Psychology of Adjustment	3
PSY 144	The Psychology of Interpersonal Relationships	3

Sociology

SOC 101	Introductory Sociology	3
SOC 102	Contemp Social Problems	3
SOC 110	Marriage and the Family	3
SOC/AJ124	Criminology	3
SOC/ADS 150	Sociology of Minority Groups	3
SOC/PSY 206	Social Psychology	3

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

BIOL 100	Prin of Biological Science	4
BIOL 122	General Zoology II	4
CFCS 104	Early Child Social: Children, Family, and Community	3
CFCS 260	Principles of Parenting	3

Transfer students planning to major in these disciplines should take the IVC General Major and complete requirements listed in the catalog of the school to which they anticipate transferring.

**BUSINESS ACCOUNTING TECHNICIAN
(MAJOR CODE: 0206)**

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

Twenty-nine (29) units required for the major

I. Required courses for the major

BUS 164	Word Processing	3
BUS 166	Machine Calculation	3
BUS 168	Records Management	3
BUS 210**	Principles of Financial Accounting	4
CIS 101	Introduction to Information Systems	3
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
WE 201	Employment Readiness	1
WE 220	Internship	1

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

**It is recommended that BUS 010 (formerly BUS 10) be taken as preparation for BUS 210 (formerly BUS 1A).

II. Acceptable courses for the major (select six units)

BUS 010	Practical Accounting	3
BUS 080	Customer Service	0.5
BUS 081	Communication	0.5
BUS 082	Team Building	0.5
BUS 083	Time Management	0.5
BUS 084	Stress Management	0.5
BUS 085	Conflict Management	0.5
BUS 086	Attitude in the Workplace	0.5
BUS 087	Managing Organizational Change	0.5
BUS 088	Decision Making and Problem Solving	0.5
BUS 089	Ethics and Values	0.5
BUS 124	Intro to Business	3
BUS 220	Prin of Managerial Accounting	4

III. Required skill level for the major

Keyboarding skill level 40 nwpm. (BUS 156 (formerly BUS 25AC), Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)

**BUSINESS ADMINISTRATIVE ASSISTANT
(MAJOR CODE: 0207)**

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

Thirty-one and one-half (31.5) units and skill level required for the major

I. Required courses for the major

BUS 126	Business and the Legal Environment	3
BUS 136	Human Relations in Management	3
BUS 166	Machine Calculation	3
BUS 172	Office Procedures	3

II. Acceptable courses for the major

(minimum of nine units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials in Workplace Correspondence	3
BUS 080	Customer Service	0.5
BUS 081	Communication	0.5
BUS 082	Team Building	0.5
BUS 083	Time Management	0.5
BUS 084	Stress Management	0.5
BUS 085	Conflict Management	0.5
BUS 086	Attitude in the Workplace	0.5
BUS 087	Managing Organizational Change	0.5
BUS 088	Decision Making & Problem Solving	0.5
BUS 089	Ethics and Values	0.5
BUS 124	Intro to Business	3
BUS 134	Management Concepts of Supervision	3
BUS 136	Human Relations in Management	3
BUS 140	Business Retailing	3
BUS 142	Practical Salesmanship	3
BUS 144	Principles of Marketing	3
BUS 146	Small Business Management	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3
WE 201	Employment Readiness	1
WE 220	Internship	1

**BUSINESS MARKETING
(MAJOR CODE: 0223)**

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

Twenty-nine (29) units required for the major

I. Required courses for the major

BUS 126	Business and the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 144	Principles of Marketing	3
BUS 210	Principles of Financial Accounting	4
BUS 260	Business Communications	3
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1

II. Acceptable courses for the major

(minimum of nine units from the following courses)

BUS 010	Practical Accounting	3
BUS 060	Essentials in Workplace Correspondence	3
BUS 080	Customer Service	0.5
BUS 081	Communication	0.5
BUS 082	Team Building	0.5
BUS 083	Time Management	0.5
BUS 084	Stress Management	0.5
BUS 085	Conflict Management	0.5
BUS 086	Attitude in the Workplace	0.5
BUS 087	Managing Organizational Change	0.5
BUS 088	Decision Making & Problem Solving	0.5
BUS 089	Ethics and Values	0.5
BUS 124	Intro to Business	3

BUS 134	Management Concepts of Supervision	3
BUS 136	Human Relations in Management	3
BUS 140	Business Retailing	3
BUS 142	Practical Salesmanship	3
BUS 146	Small Business Management	3
BUS 148	Personal Finance	3
BUS 220	Prin of Managerial Accounting	4
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3
WE 201	Employment Readiness	1
WE 220	Internship	1

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

** It is recommended that BUS 010 (formerly BUS 10) be taken in preparation for BUS 210 (formerly BUS 1A).

II. Required skill level for the major

Keyboarding skill level 50 nwpm. (BUS 156 (formerly BUS 25AC), Keyboarding Speed & Accuracy may be helpful in obtaining this speed level.)

**BUSINESS OFFICE TECHNICIAN
(MAJOR CODE: 0209)**

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

Thirty and a half (31.5) units and skill level required for the major

I. Required courses for the major

BUS 061	Business English	3
BUS 164	Word Processing	3
BUS 166	Machine Calculation	3
BUS 168	Records Management	3
BUS 172	Office Procedures	3
BUS 174	Document Processing for Business	3
BUS 176	Office Transcription	1.5
BUS 178	Business Computer Applications	3
BUS 260	Business Communications	3
CIS 124	Excel I	1
WE 201	Employment Readiness	1
WE 220	Internship	1

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

II. Acceptable courses for the major

(select 3 units)

BUS 010	Practical Accounting	3
BUS 060	Essentials in Workplace Correspondence	3
BUS 080	Customer Service	0.5
BUS 081	Communication	0.5
BUS 082	Team Building	0.5
BUS 083	Time Management	0.5
BUS 084	Stress Management	0.5
BUS 085	Conflict Management	0.5
BUS 086	Attitude in the Workplace	0.5
BUS 087	Managing Organizational Change	0.5
BUS 088	Decision Making & Problem Solving	0.5
BUS 089	Ethics and Values	0.5
CIS 101	Intro to Information Systems	3

III. Required skill level for the major

Keyboarding skill level 40 nwp. (BUS 156 (formerly BUS 25AC), Keyboarding Speed & Accuracy, may be helpful in obtaining this speed level.)

**COMMUNICATIONARTS
(MAJOR CODE: 0520)**

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

Twenty-seven (27) units required for the major

I. Required courses for this major

ENGL 201	Advanced Composition	3
JRN 100	Introduction to Journalism	3
JRN 102	Newspaper Production	3
PSY 144	Psych. of Interpersonal Relationships	3
SPCH 100	Oral Communications	3
SPCH 110	Public Speaking	3
SPCH 180	Argumentation and Debate	3
THEA 100	Introduction to Theatre	3
THEA 120	Fundamentals of Acting	3

**ENVIRONMENTAL TECHNOLOGY
(MAJOR CODE: 0715)**

This program of study is currently under review. No new students will be admitted to this program at this time.

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

Thirty-one to forty (31-40) units required for the major

I. Required Courses for the major

ENVT 100	Intro to Environmental Tech	4
ENVT 103	Hazard Waste Generation/ Reduction Treatment	3
ENVT 105	Hazard Materials Mgmt. Appl.	3
ENVT 107	Hazard Waste Mgmt. Appl.	3
ENVT 109	Health Effects of Hazard Materials	3
ENVT/FIRE 120 ...	Hazard Materials for the 1st Responder ..	3
ENVT 121	Safety, Emerg Resp & Spill Control	2
BIOL 100	Principles of Biological Science	4
CHEM 100	Introduction to Chemistry	4
CHEM 200	General Inorganic Chemistry I	5

* See a counselor if taken in high school

II. Acceptable courses for the major (select a minimum of five (5) units)

BUS 124	Introduction to Business	3
BUS 126	Business & the Legal Environment	3
BUS/AG 132	Business Management	3
BUS 134	Management Concepts of Supv	3
BUS 136	Human Relations in Management	3
BUS 138	Human Resource Management	2
CIS 101	Intro to Information Systems	3
CIS 102	Computer Applications Lab	1
SPCH 100	Oral Communication	3
SPCH 110	Public Speaking	3
SPCH 180	Argumentation and Debate	3
WE 201	Employment Readiness	1
WE 220	Internship	1

**FIRE TECHNOLOGY
(MAJOR CODE: 1003)**

Twenty-nine and one-half (29.5) units required for the major

I. Required courses for the major

FIRE 100	Fire Protection Organization	3
FIRE 101	Fire Prevention Technology	3
FIRE 102	Fire Protec Equip & Systems	3
FIRE 103	Building Construction for Fire Protection	3

II. Select 4 units from the following acceptable courses for the major

AJ/CSI 120	Report Writing for Admin of Just	3
FIRE110	Intro to Fire Technology	3
FIRE 111	Streams, Nozzles, Hose & Appliance	2.5
FIRE 112	Ground Entry & Rescue	2.5
FIRE 113	Ventilation & Fire Control	2
FIRE 114	Basic Fire Technology - Advanced	3.5
FIRE 116	Fire Hydraulics	2
FIRE/ENVT 120	Haz Materials For the 1st Responder	3
FIRE 200**	Driver/Operator - Driver	2
FIRE 201**	Driver/Operator - Pumping	2
FIRE 202**	Fire Investigation 1A	2
FIRE 203**	Fire Investigation 1B	2
FIRE 205**	Fire Prevention 1A	2
FIRE 206**	Fire Prevention 1B	2
FIRE 207**	Fire Instructor Training 1A	2
FIRE 208**	Fire Instructor Training 1B	2
FIRE 209**	Fire Command 1A	2
FIRE 210**	Fire Command 1B	2

*Recommended

**200 courses for personnel already employed in Fire Technology or for students who have completed at least 12 units at the 100 level.

**FRENCH
(MAJOR CODE: 0666)**

Twenty-one (21) units required for the major

I. Required courses for the major

FREN 100	Elementary French	5
FREN 110	Elementary French	5
FREN 200	Intermediate French	4
FREN 210	Intermediate French	4

II. Acceptable courses for the major

(select a minimum of one course from the following courses)

FREN 220	Inter French Read & Writ	3
FREN 230	Inter Conversational French	3
FREN 232	Inter Conversational French	3

**GENERALMAJOR
(MAJOR CODE: 0222)**

Minimum 18 units required for the major.

A General Major is used for a student at Imperial Valley College who plans to transfer to a specific four year college with a specific major. A General Major is appropriate when no Imperial Valley College major exists that matches the preparation for the major requirements of the transfer institution.

A General Major will be developed between a counselor and a student to meet preparation requirements for a specific major at a selected college.

Another IVC major to consider if there is less than 18 units required at the four year college for preparation for the major requirements is TRANSFER STUDIES.

PLEASE SEE A COUNSELOR FOR ASSISTANCE

**GENERAL SCIENCE
(MAJOR CODE: 0709)**

Minimum 18 units required for the major

The most reliable guide for appropriate course combinations in this major will be the catalog from the specific college to which the student will transfer.

I. Required Courses for the major

ANTH 100	Physical Anthropology	3
BIOL 100	Principals of Biological Science	4

II. Select one (1) course from the following:

III. Must select six units (6) from the following

ART 100	History & Appreciation of Art	3
ART 102	History & Appreciation of Art	3
ART 104	History & Appreciation of Modern Art	3
ART 106	Women Artists	3
ART 110	Design	3
ART 120	Drawing	3
ART 130	Life Drawing	3
ART 140	Ceramics	3
ART 228	Exploration of Paint Tech	2
ART 262	Gallery Display	3
MUS 100	Intro to Music Foundations	3
MUS 102	Intro to Music Lit & Listening	3
MUS 104	Intro to 20th Century Music	3
MUS 106	History & Literature of Music	3
MUS 110	Beginning Musicianship	2
MUS 120	Beginning Harmony	3
MUS 154	Chamber Singers	1
MUS 156	College-Community Chorus	1
MUS 171	Chamber Orchestra	1
MUS 175	Instrumental Ensemble	1
MUS 172	Community Band	1
MUS 178	Symphony Orchestra	1
PE 114	Dance Theater, Coed	2
PE/HUM 212	The Hist & Apprec of Dance	3

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

HIST 110	History of Western Civilization	3
HIST 111	History of Western Civilization	3
PHIL 100	Intro to Philosophy	3
PHIL 102	Intro to Philosophy	3
PHIL 108	Religions of the Modern World	3

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

AMSL 100	American Sign Language 1	4
AMSL 102	American Sign Language 2	4
ENGL 102	Intro to Literature	3
ENGL 222	Survey of World Literature	3
ENGL 223	Survey of World Literature	3
ENGL 250	Creative Writing	3
ENGL/SPAN 260	The Mexican American in Literature	3
FREN 100	Elementary French	5
FREN 110	Elementary French	5
MUS 176	Rehearsal & Performance	1
SPAN 100	Elementary Spanish	5
SPAN 110	Elementary Spanish	5
SPAN 220	Bilingual Spanish	5
SPAN 221	Bilingual Spanish	5
SPCH 100	Oral Communication	3
SPCH 110	Public Speaking	3
SPCH 180	Argumentation & Debate	3
THEA 120	Fundamentals of Acting	3
THEA 180	Rehearsal & Performance	1

**HUMAN RELATIONS
(MAJOR CODE: 1106)**

Areas of emphasis: Community Mental Health Worker, Counseling, School, Social Services, Personnel, Employment Counseling, and Supervision

Twenty-four (24) units required for the major

I. Required courses for the major

PSY 101	Intro to Psychology	3
PSY 142	Psychology of Adjustment	3
PSY/ADS 120	Intro to Counseling	3
PSY/ADS 220 or 221	Practicum	3
SOC 101	Introductory Sociology	3

II. With the approval of his/her counselor and the Division Chairperson, the student will select a minimum of 9 units (depending on areas of emphasis) from the following courses. It is considered advisable for students in certain areas of emphasis to take more than 9 units from the list below

ANTH 102	Cultural Anthropology	3
BUS 134	Mgmt Concepts of Supervision	3
BUS 136	Human Relations in Mgmt	3
CFCS/PSY 106	Develop Psychology of Children	3
CFCS 260	Principles of Parenting	3
CIS 101	Intro to Information Systems	3
HREL 100	Personal & Career Development	3
MATH 120	Intro Statistics with Applications	3
PSY 144	The Psych of Interpersonal Relationships	3
PSY 200	Biological Psychology	3
PSY 202	Learning	3
PSY 204	Developmental Psychology	3
PSY/SOC 206	Social Psychology	3
PSY 208	Abnormal Psychology	3
PSY/ADS 210	Crisis Intervention & Referral Tech	3
SOC 102	Contemp Social Problems	3
SOC 110	Marriage & the Family	3
SOC 150	Sociology of Minority Groups	3

**INTERDISCIPLINARY MAJOR
(MAJOR CODE: 0315)**

This major for an Associate Degree provides occupational-oriented students with an area of concentration within two disciplines to meet a specific job need.

The requirements for the major will be met by satisfactory completion of 9 (or more) units in each discipline.

The courses required will be approved by division chairpersons, a counselor, and the Dean of Applied Sciences. The courses approved will be from courses already established. The student will initiate the request for the major through the Counseling Office.

**JOURNALISM
(MAJOR CODE: 0515)**

Twenty-one (21) units required for the major

I. Required courses for the major

JRN 100	Introduction to Journalism	3
JRN 102	Newspaper Production	3
JRN 104	Career Journalism	3

II. Acceptable courses for the major
(minimum of 12 units from the following courses)

BUS 154	Beginning Keyboarding	3
ECON 101	Intro to Microeconomics	3
ECON 102	Intro to Macroeconomics	3
ENGL 102	Intro to Literature	3
ENGL 230	Intro to Film Hist & Criticism	3
ENGL 250	Creative Writing	3
POLS 100	Intro to Political Science	3
POLS 102*	Amer Government & Politics	3
SOC 101	Introductory Sociology	3
SOC 102	Contemporary Social Problems	3
SPCH 100	Oral Communication	3

*If not used to satisfy the American Institutions requirement for graduation.

**LEGAL ASSISTANT
(MAJOR CODE: 0201)**

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

Twenty-four (24) units required for the major

I. Required courses for the major

AJ/CSI 102	Concepts of Criminal Law	3
BUS 126	Bus & the Legal Environment	3
LEGAL 121	Legal Research	3

Semester Two (2)

NURS 120	Nursing Process II	4.5
NURS 121	Nursing Skills Laboratory II	1
NURS 122	Nursing Process Application II	4

Summer Session

NURS 200	Psychiatric Nursing	2.5
NURS 201	Psychiatric Nursing Application	1.5

Semester Three (3)

NURS 210	Nursing Process III	4.5
NURS 211	Nursing Skills Laboratory III	1
NURS 212	Nursing Process Application III	4

Semester Four (4)

NURS 220	Nursing Process III	4.5
NURS 221	Nursing Skills Laboratory III	1
NURS 222	Nursing Process Application III	4
NURS 230	Nursing Trends	1

Additional Degree Requirements Include

SPCH 100	Oral Communication	3
American Institutions Requirement	3-6
Humanities Elective	3
PE 100	LifetiTf-2 -2.0667 TD0.0004 Tc0. ExeS.....806 Science Tc-16.....-0.01226Tw[(61 Tw[(P)-4)-39.7(121)-19.764500	

**PHYSICAL SCIENCE
(MAJOR CODE: 0720)**

Forty (40) units required for the major

I. Thirty-five (35) units from:

CHEM 200	General Inorganic Chemistry I	5
CHEM 202	General Inorganic Chemistry II	5
MATH 192	Calculus I	5
MATH 194	Calculus II	5
PHYS 200	Principles of Physics I	5
PHYS 202	Principles of Physics II	5
PHYS 204	Principles of Physics III	5

Five (5) units from

AG/ENVS 110	Man & His Environment	3
ASTR 100	Principles of Astronomy	3
CHEM 204	Organic Chemistry I	5
CHEM 206	Organic Chemistry II	5
CIS 204	Programing in C	3
GEOG 100	Physical Geography	3
MATH 120	Introductory Statistics with Applications	3
MATH 130	Programming in FORTRAN	3
MATH 210	Calculus III	5
MATH 220	Elem Differential Equations	3
MATH 230	Intro to Linear Algebra with Applications	3

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

Forty-three (43) units required for the major

I. Twenty-five (25) units required from

CHEM 200	General Inorganic Chemistry I	5
MATH 192	Calculus I	5
MATH 194	Calculus II	5
MATH 210	Calculus III	5
PHYS 200	Principles of Physics I	5

II. Three (3) units from

MATH 220	Elem Differential Equations	3
MATH 230	Intro to Linear Algebra with Applications	3

III. Ten (10) units from:

CHEM 202	General Inorganic Chemistry II	5
PHYS 202	Principles of Physics II	5
PHYS 204	Principles of Physics III	5

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

CHEM 202	General Inorganic Chemistry II	5
CHEM 204	Organic Chemistry I	5
CHEM 206	Organic Chemistry II	5
CIS 204	Programing in C	3
MATH 120	Introductory Statistics with Applications	3
MATH 130	Programming in FORTRAN	3
MATH 220	Elem Differential Equations	3
MATH 230	Intro to Linear Algebra with Applications	3
PHYS 202	Principles of Physics II	5
PHYS 204	Principles of Physics III	5

**PSYCHOLOGY
(MAJOR CODE: 0103)**

Twenty-one (21) units required for the major

I. Required courses for the major

PSY 101	Intro to Psychology	3
PSY 200	Biological Psychology	3
PSY 202	Learning	3

II. Minimum of 12 units from any of the following courses

MATH 120	Introductory Statistics with Applications	3
PSY/ADS 120	Intro to Counseling	3
PSY 142	Psy of Adjustment	3
PSY 144	The Psy of Interpersonal Relationships	3
PSY 146	Psych of Human Sexuality	3
PSY 204	Developmental Psychology	3
PSY/SOC 206	Social Psychology	3
PSY 208	Abnormal Psychology	3
PSY 212	Research Methods in Psychology	3
PSY/ ADS 220	OR 221 Practicum	3

**RECREATION
(MAJOR CODE: 0312)**

Eighteen (18) units required for the major

I. Required courses for the major

REC 100	Introduction to Leisure	3
REC 101	Social Recreation	3
REC 102	Outdoor Recreation	3
REC 103	Recreation for Special Groups	4

Two (2) or Three (3) units to be selected from the following courses

ART 110	Design	3
PE 122	Lifeguard Training/Advanced Lifesaving	2
PE 211	PE in the Elementary School	3
PE 222	Sports Officiating	3
PE 224	PE for Special Olympics	3

II. Acceptable courses for the major

(2 or 3 units to be selected from the following courses)

PE 102	Physical Fitness	1
PE 103	Physical Fitness, Women	1
PE 112	Basketball-Men	1
PE 113	Basketball-Women	1
PE 115	Dance-Jazz	1
PE 120	Softball	1
PE 121	Swimming	1
PE 124	Team Sports	1
PE 126	Tennis	1
PE 128	Volleyball	1
PE 129	Volleyball-Advanced	1

**REHABILITATION TECHNICIAN FOR
THE PHYSICALLY LIMITED
(MAJOR CODE: 1103)**

Eighteen (18) units required for the major

I. Required courses for the major

CFCS/DSPS 240	Understanding Excep Students	3
DSPS 242	Practicum Exper to Work with the Disabled Person	2
PSY 101	Introduction to Psychology	3

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

AHP 060	Health Assistant	5
AMSL 100	American Sign Language 1	4
AMSL 102	American Sign Language 2	4
AMSL 200	American Sign Language 3	3
AMSL 202	American Sign Language 4	3
AMSL 204	American Sign Language 5	3
AMSL 210	Interpreting Amer Sign Lang 1	3
AMSL 212	Interpreting Amer Sign Lang 2	3

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

AMSL 104	Fingerspelling and Numbers	3
AMSL 110	Introduction to Deaf Culture	3
AMSL 112	Interpreting as a Profession	3
CFCS/PSY 106	Develop Psych of Children	3
DSPS 242	Practicum Exper to Work with the Disabled Person	2
PE 224	PE for Special Olympics	3
PSY 104	Psych of Adjustment	3
PSY/ADS 120	Intro to Counseling	3
PSY/SOC 206	Social Psychology	3
REC 103	Recreation for Special Groups	4
SOC 101	Introductory Sociology	3
SOC 102	Contemp Social Problems	3

**SOCIAL SCIENCE
(MAJOR CODE: 0900)**

I. Required courses for the major

The requirements for a major in Social Science may be satisfied by taking 18 units from the following list to include at least one course from three of the seven fields:

Anthropology

ANTH 100	Physical Anthropology	3
ANTH 102	Cultural Anthropology	3
ANTH 104	California Indians	3
ANTH 106	Indians of North America	3
ANTH 110	Intro to Arch Site Surveying	3
ANTH 112	Intro to Arch Excavations	3

Economics

ECON 101	Introduction to Microeconomics	3
ECON 102	Introduction to Macroeconomics	3

Geography

GEOG 100	Physical Geography	3
GEOG 102	Cultural Geography	3

History

HIST 100	Early World History	3
HIST 101	Modern World History	3
HIST 110	History of Western Civilization	3
HIST 111	History of Western Civilization	3
HIST 120	United States History	3
HIST 121	United States History	3
HIST 122	History of Imperial Valley	3
HIST 130	Comp History of the Americas	3
HIST 131	Comp History of the Americas	3
HIST 132	Mexico & the American Southwest	3
HIST 170	Oral History	3

Philosophy

PHIL 100	Intro to Philosophy	3
PHIL 102	Intro to Philosophy	3
PHIL 104	Ethics	3
PHIL 108	Religions of the Mod World	3

Political Science

POLS 052	Intro to American Government	3
POLS 100	Intro to Political Science	3
POLS 102	American Govt & Politics	3
POLS 104	Comparative Politics	3
POLS 106	Intro to International Relations	3

Sociology

SOC 101	Introductory Sociology	3
SOC 102	Contemp Social Problems	3
SOC 110	Marriage & the Family	3
SOC/ADS 150	Sociology of Minority Groups	3

**SPANISH: NATIVE SPEAKER
(MAJOR CODE: 0668)**

Twenty-six (26) units required for the major

I. Required courses for the major

SPAN 220	Bilingual Spanish	5
SPAN 221	Bilingual Spanish	5
SPAN 222	Bilingual Oral Spanish	3
SPAN 223	Spanish Reading and Writing	4
SPAN 225	Intro to Spanish American Literature	3
SPAN 262	Intro to Mexican American Studies	3

II. Acceptable courses for the major

(select a minimum of 3 units from the following courses)

MUS 174	Estudiantina	1
SPAN 230	Intro to Trans & Inter	3
SPAN/ENGL 260	The Mexican American in Literature	3
SPAN/ENGL 261	The Mexican American in Literature	3

**SPANISH: NON-NATIVE
(MAJOR CODE: 0670)**

Twenty-nine (29) units required for the major

I. Required courses for the major

SPAN 100*	Elementary Spanish	5
SPAN 110*	Elementary Spanish	5
SPAN 200	Intermediate Spanish	5
SPAN 210	Intermediate Spanish	5
SPAN 223	Spanish Reading and Writing	4

*Completion of SPAN 101 and 102 (formerly SPAN 1A and 1B) is equivalent to SPAN 100 (formerly SPAN 1) and completion of SPAN 111 and 112 (formerly SPAN 2A and 2B) is equivalent to SPAN 110 (formerly SPAN 2).

II. Acceptable courses for the major

(select a minimum of 5 units from the following courses)

MUS 174	Estudiantina	1
SPAN 222	Bilingual Oral Spanish	3
SPAN 225	Intro to Spanish American in Literature	3
SPAN 230	Intro to Trans & Inter.....	3
SPAN/ENGL 260	The Mexican American in Literature	3
SPAN/ENGL 261	The Mexican American in Literature	3
SPAN 262	Intro to Mexican American Studies.....	3

**TRANSFER STUDIES
(MAJOR CODE: 0218)**

This major is a program of course work selected from courses transferable to the University of California system (UC), California State University system (CSU), and other colleges and universities. Transfer programs are designed to help the student complete the first two years of a four-year college program. The associate degree will be granted to students who meet ALL the following requirements:

- *Complete all Imperial Valley College graduation requirements
- *Complete 60 transferable units
- *Complete requirements for one of the following:
 - CSU General Education Breadth Requirements;
 - IGETC (Intersegmental General Education Transfer Curriculum);
 - Approved Transfer Admission Guarantee Program.

****MUST SEE A COUNSELOR TO COMPLETE THIS MAJOR****

(It is strongly recommended that the student complete as much lower division major preparation as possible for the college or university to which he/she plans to transfer.)

COMPLETION OF THIS MAJOR DOES NOT GUARANTEE ADMISSION TO ANOTHER COLLEGE OR UNIVERSITY

**WATER TREATMENT TECHNOLOGY
(MAJOR CODE: 1008)**

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

Twenty-two (22) units required for the major

I. Required courses for the major

WT 110	Water Treat Plant Oper I	4
WT 120	Computational Proced for Treatment Plant Oper I	3
WT 130	Wastewater Treatment I	4
WT 210	Water Treat Plant Oper II	4
WT 220	Computational Proced for Treatment Plant Oper II	3
WT 230	Wastewater Treatment II	4

II. Recommended courses for the major

BUS/AG 132	Business Management	3
BUS 134	Mgmt Concepts of Supervision	3
BUS 136	Human Relations in Management	3
CHEM 100	Intro to Chemistry	4
CHEM 200	General Inorganic Chemistry I	5

**WELDING TECHNOLOGY
(MAJOR CODE: 1007)**

The practice of joining metals by welding is becoming more of a science every day. Imperial Valley College recognized this and consequently has a two-year Associate Degree program in Welding Technology. This program is designed to train technicians by giving the student ample laboratory welding practice along with related theory, plus a firm background in associated subjects such as mechanics and metal-fabricating techniques.

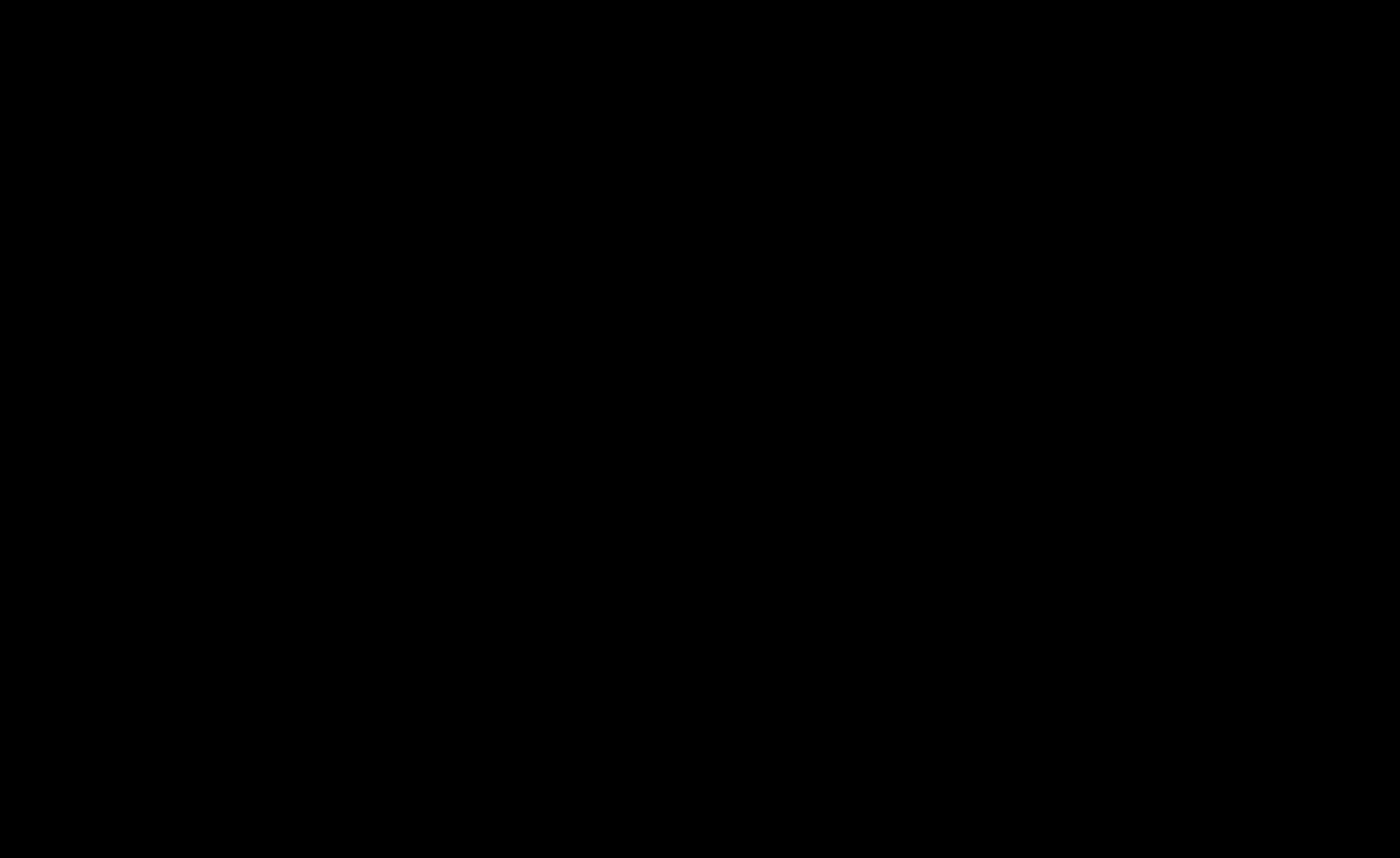
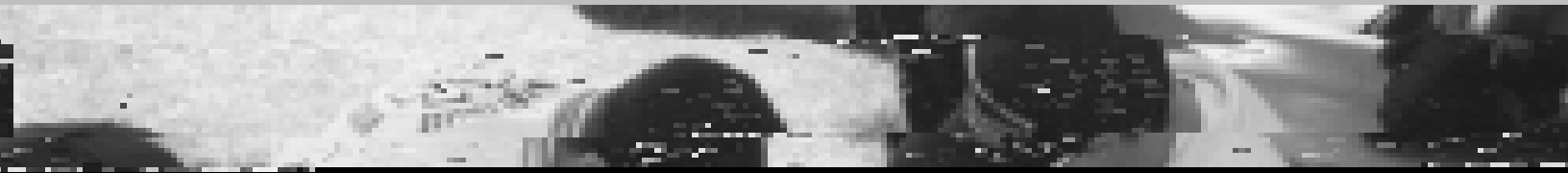
ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty (20) units required for the major.

I. Required courses for the major

WELD 110	Oxy-Acetylene Welding	2
AND		
WELD 120	Arc Welding	3
OR		
WELD 130	Welding Technology	5
WELD 220	Arc Welding Processes	5
WELD 240	Pipe & Structural Welding	5
WELD 260	Welder Qual & Blueprint Reading	5

Certificate Programs



**AUTOMOTIVE AIR CONDITIONING
(CERTIFICATE CODE: 5023)**

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

Six (6) units required for the certificate.

I. Required courses for the certificate

AU T 130	Automotive Electronics I	3
AU T 210	Air Conditioning	3

**AUTOMOTIVE BODY REPAIR AND PAINTING
(CERTIFICATE CODE: 5010)**

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

Thirty-one (31) units required for the certificate

I. Required courses for the major

AU B 120	Automotive Collision Repairs	5
AU B 140	Frame/Undercarriage Repair	5
AU B 220	Estimating and Collision Repair	5
AU B 240	Custom Refinishing & Shop Mgt	3
AU T 125	Automotive Brakes	4

**BASIC COMPUTER SKILLS
(CERTIFICATE CODE: 5087)**

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

Six (6) units required for the certificate

I. Required courses for the certificate

BUS 152	Basic Keyboarding	1
BUS 164	Word Processing	3
CIS 100	Computer Literacy	1
CIS 124	Excel I.....	1

**BUILDING CONSTRUCTION PROJECT MANAGEMENT
(CERTIFICATE CODE: 5410)**

Sixteen (16) units required for the certificate

I. Required courses for the certificate

BLDC 140	Building Construction Methods and Materials	3
BLDC 160	Construction Technical and Contract Documents	3
BLDC 180	Building Planning and Cost Estimation	3
BLDC 200	Construction Planning and Scheduling	4
BLDC 210	Construction Management and Organizations	3

**BUSINESS ACCOUNTING TECHNICIAN
(CERTIFICATE CODE: 5058)**

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A GRADE OF "C," "CR," OR BETTER.

Twenty-nine (29) units required for the certificate

I. Required courses for the certificate

BUS 164	Word Processing	3
BUS 166	Machine Calculation	3
BUS 168	Records Management	3
BUS 210**	Principles of Financial Accounting	4
CIS 101	Intro to Information Systems	3
CIS 108	Computer Accounting	3
CIS 124	Excel I	1
CIS 125	Excel II	1
WE 201*	Employment Readiness	1
WE 220 *	Internship	1

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

**It is recommended that BUS 010 (formerly BUS 10) be taken as preparation for BUS 210 (formerly BUS 1A).

II. Acceptable courses for the certificate (select six units)

BUS 010	Practical Accounting	3
BUS 080	Customer Service	0.5
BUS 081	Communication	0.5
BUS 082	Team Building	0.5
BUS 083	Time Management	0.5

II. Acceptable courses for the certificate

(minimum of three units from the following courses)

BUS 010 Practical Accounting

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

**COMPUTER INFORMATION SYSTEMS
(CERTIFICATE CODE: 5085)**

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

Twenty (20) units required for the certificate

I. Required courses for the certificate

**EARLY CHILDHOOD EDUCATION
FAMILY CHILD CARE
(CERTIFICATE CODE: 5114)**

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

Fifteen (15) units required for the certificate.

I. Required Courses for the certificate

CFCS 050	Family Child Care Management	1
CFCS 051	Family Child Care Provider & Parent Rel	1
CFCS 052	Family Child Care Licensing & Res	1
CFCS 101	Health, Safety & Nutrition for Teachers of Young Children	2
CFCS 102	First Aid & CPR for Teachers of Young Children	1
CFCS 104	Early Childhood Social: Children, Family & Community	3
CFCS/PSY 106	Develop Psych of Children	3
CFCS 110	Early Childhood Curriculum I	3

**EARLY CHILDHOOD EDUCATION
INFANT/TODDLER SPECIALIZATION CERTIFICATION
(CERTIFICATE CODE: 5115)**

The Infant/Toddler Specialization Certificate is a certificate demonstrating a completion of specialized course work above the major in infant/Toddler studies. This certificate will also meet the requirements for the specialization field in applying for the Master Teacher Permit.

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

The major plus six units in Infant/Toddler course work.

CFCS 220	Infant/Toddler Development	3
CFCS 221	Infant/Toddler Curriculum	3

**EARLY CHILDHOOD EDUCATION
SCHOOL-AGE SPECIALIZATION CERTIFICATE
(CERTIFICATE CODE: 5113)**

The School-Age Specialization Certificate is a certificate demonstrating a completion of specialized course work above the major in working with school-age children. This certificate will also meet the requirements for the specialization field in applying for the Master Teacher Permit.

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

The major plus six (6) units in School-Age course work

CFCS 230	School-Age Development	3
CFCS 231	School-Age Curriculum	3

**ELECTRICAL TRADES
(CERTIFICATE CODE: 5450)**

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

Sixteen (16) units required for the certificate

I. Required Courses for the certificate

ELTT 101	Electrical Trades I	4
ELTT 102	Electrical Trades II	4
ELTT 103	Electrical Trades III	4
ELTT 104	Electrical Trades IV	4

**ELECTRICAL WIRING TECHNOLOGY
(CERTIFICATE CODE: 5460)**

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

Sixteen (16) units required for the certificate

I. Required Courses for the certificate

ELTT 110	Electrical Principles	4
ELTR 115	Electrical Wiring and Protection	4
ELTR 125	Electrical Feeder Services and Circuits	4
ELTR 135	Electrical Equipment and Special Conditions	4

**ELECTRONICS
(CERTIFICATE CODE: 5120)**

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

Fourteen (14) units required for the certificate

I. Required Courses for the certificate

ELTR 120	Electronic Devices	4
ELTR 140	Electronic Circuits & Semiconductors	4
ELTR 220	Digital Instrumentation Measurements	3
ELTR 240	Digital Logic Circuits	3

EMERGENCY MEDICAL TECHNICIAN I

II. Select 4 units from the following acceptable courses for the certificate

AJ/CSI 120	Report Writing for Admin of Just	3
FIRE 110	Intro to Fire Technology	3
FIRE 111	Streams, Nozzles, Hose & Appliance	2.5
FIRE 112	Ground Entry & Rescue	2.5
FIRE 113	Ventilation & Fire Control	2
FIRE 114	Basic Fire Technology - Advanced	3.5
FIRE 116	Fire Hydraulics	2
FIRE/ENVT 120	Hazardous Materials for the First Responder.3	
FIRE 200**	Driver/Operator - Driver	2
FIRE 201**	Driver/Operator - Pumping	2
FIRE 202**	Fire Investigation 1A	2
FIRE 203**	Fire Investigation 1B	2
FIRE 205**	Fire Prevention 1A	2
FIRE 206**	Fire Prevention 1B	2
FIRE 207**	Fire Instructor Training 1A	2
FIRE 208**	Fire Instructor Training 1B	2
FIRE 209**	Fire Command 1A	2
FIRE 210**	Fire Command 1B	2
CIS 101	Intro to Information Systems	3

*Recommended

**200 courses for personnel already employed in Fire Technology or for students who have completed at least 12 units at the 100 level.

**HEALTH ASSISTANT
(CERTIFICATE CODE: 5190)**

Six (6) units required for the certificate

I. Required Course for the certificate

AHP 060	Health Assistant	6
---------	------------------------	---

**HOME HEALTH AIDE
(CERTIFICATE CODE: 5195)**

One and one-half (1.5) units required for the certificate

I. Required Course for the certificate

AHP 062	Home Health Aide	1.5
---------	------------------------	-----

**HOSPITALITY
(CERTIFICATE CODE: 5480)**

All required courses for this certificate must be completed with a minimum grade of "C" or better.

Twelve and a half (12.5) units required for the certificate

I. Required Courses for the certificate

HOSP 100	Introduction to the Hospitality Industry.....	3
HOSP 102	Sanitation and Safety.....	3
HOSP 104	Dining Room Services	3
BUS 080	Customer Service	5
BUS 081	Communicating with People	5
BUS 089	Foundation Essentials: Values and Ethics	5
CIS 120	Microsoft Word	1
CIS 124	EXCEL I	1

**HUMANRELATIONS
(CERTIFICATE CODE: 5210)**

Areas of emphasis: Community Mental Health Worker, Counseling, School, Social Services, Personnel, Employment Counseling, and Supervision

Twenty-four (24) units required for the certificate

I. Required courses for the certificate

PSY 101	Intro to Psychology	3
PSY 142	Psychology of Adjustment	3
ADS/PSY 120	Intro to Counseling	3
ADS/PSY 220 or 221	Practicum	3
SOC 101	Introductory Sociology	3

II. With the approval of his/her counselor and the Division Chairperson, the student will select a minimum of 9 units (depending on areas of emphasis) from the following courses. It is considered advisable for students in certain areas of emphasis to take more than 9 units from the list below.

ANTH 102	Cultural Anthropology	3
BUS 134	Mgmt Concepts of Supervision	3
BUS 136	Human Relations in Mgmt	3
CFCS/PSY 106	Develop Psychology of Children	3
CFCS 260	Principles of Parenting	3
CIS 101	Intro to Information Systems	3
HREL 100	Personal & Career Development	3
MATH 120	Intro Statistics with Applications	3
PSY 144	The Psych of Interpersonal Relationships	3
PSY 200	Biological Psychology	3
PSY 202	Learning	3
PSY 204	Developmental Psychology	3
PSY/SOC 206	Social Psychology	3
PSY 208	Abnormal Psychology	3
PSY/ADS 210	Crisis Intervention & Referral Tech	3
SOC 102	Contemp Social Problems	3
SOC 110	Marriage & the Family	3
SOC 150	Sociology of Minority Groups	3

LEGAL ASSISTANT

**LIBRARY TECHNICIAN
(CERTIFICATE CODE: 5240)**

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

Twenty-one (21) units is required for the certificate.

I. Required courses for the certificate

LBRY 151	Intro to Library Science	3
LBRY 152	Library Technical Services	3
LBRY 153	Library Public Services	3
LBRY 154	Introduction to Media Services	3
LBRY 155	Introduction to Cataloging & Classification ...	3
LBRY 156	Information and Reference Services	3

II. Select a minimum of three (3) units from the following

BUS 061	Business English	3
BUS 136	Human Relations in Management	3
BUS 152	Basic Keyboarding	1
BUS 154	Beginning Keyboarding	3
BUS 178	Technology for the Modern Office	3
BUS 260	Business Communication	3
CIS 100	Computer Literacy	1

**PATIENT SERVICES ADMINISTRATION
SPECIALIST
(CERTIFICATE CODE: 5135)**

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

Twenty-four (24) units required for the certificate

I. Required Courses for the certificate

AHP 100	Medical Terminology	3
AHP 102	Medical Insurance	3
BIOL 090	Anat & Phys for Health Occupations	3
BUS 010	Practical Accounting	3
BUS 061	Business English	3
BUS 134	Mgmt Concepts & Supervision	3
CIS 101	Intro to Information Systems	3
CIS 108	Computer Accounting	3

**PHARMACY TECHNICIAN
(CERTIFICATE CODE: 5340)**

Twenty-one (21) units required for the certificate

I. Required Courses for the certificate

AHP 100	Medical Terminology	3
AHP 110	Pharmacy Technician I	6
AHP 112	Pharmacy Technician II	6
BIOL 090	Anat & Physiology for Health Occupations	3
MATH 080	Beginning Algebra	3

**RECREATION
(CERTIFICATE CODE: 5270)**

Eighteen (18) units required for the certificate

I. Required courses for the certificate

REC 100	Introduction to Leisure	3
REC 101	Social Recreation	3
REC 102	Outdoor Recreation	3
REC 103	Recreation for Special Groups	4

Two (2) or three (3) units to be selected from the following courses

ART 110	Design	3
PE 122	Lifeguard Training/Advanced Lifesaving	2
PE 211	PE in the Elementary School	3
PE 222	Sports Officiating	3
PE 224	PE for Special Olympics	3

II. Acceptable courses for the certificate

Two (2) or three (3) units to be selected from the following courses

PE 102	Physical Fitness, Coed	1
PE 103	Physical Fitness, Women	1
PE 112	Basketball for Men	1
PE 113	Basketball for Women	1
PE 115	Jazz Dance, Coed	1
PE 120	Softball, Coed	1
PE 121	Swimming, Coed	1
PE 124	Team Sports	1
PE 126	Tennis, Coed	1
PE 128	Volleyball, Coed	1
PE 129	Adv Volleyball, Coed	1

**REHABILITATION TECHNICIAN FOR
THE PHYSICALLY LIMITED**

(CERTIFICATE CODE: 5280)

Eighteen (18) units required for the certificate

I. Required courses for the certificate

CFCS/DSPS 240	Understanding Excep Students	3
DSPS 242	Practicum Exper to Work with the Disabled Person	2
PSY 101	Introduction to Psychology	3

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

AHP 060	Health Assistant	5
AMSL 100	American Sign Language 1	4
AMSL 102	American Sign Language 2	4
AMSL 200	American Sign Language 3	3
AMSL 202	American Sign Language 4	3
AMSL 204	American Sign Language 5	3
AMSL 210	Interpreting Amer Sign Lang 1	3
AMSL 212	Interpreting Amer Sign Lang 2	3

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

AMSL 104	Fingerspelling and Numbers	3
AMSL 110	Introduction to Deaf Culture	3
AMSL 112	Interpreting as a Profession	3
CFCS/PSY 106	Develop Psych of Children	3
DSPS 242	Practicum Exper to Work with the Disabled Person	2
PE 224	PE for Special Olympics	3
PSY 104	Psych of Adjustment	3
PSY/ADS 120	Intro to Counselng	3
PSY/SOC 206	Social Psychology	3
REC 103	Recreation for Special Groups	4
SOC 101	Introductory Sociology	3
SOC 102	Contemp Social Problems	3

WASTEWATER TECHNOLOGY

**WATERTREATMENT TECHNOLOGY
(CERTIFICATE CODE: 5310)**

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

Fourteen (14) units required for the certificate

I. Required Courses for the certificate

WT 100	Water Treat Plant Oper I	4
WT 120	Comp Proc for Treat Plant Oper I	3
WT 210	Water Treat Plant Oper II	4
WT 220	Comp Procead for Treat Plant Oper II	3

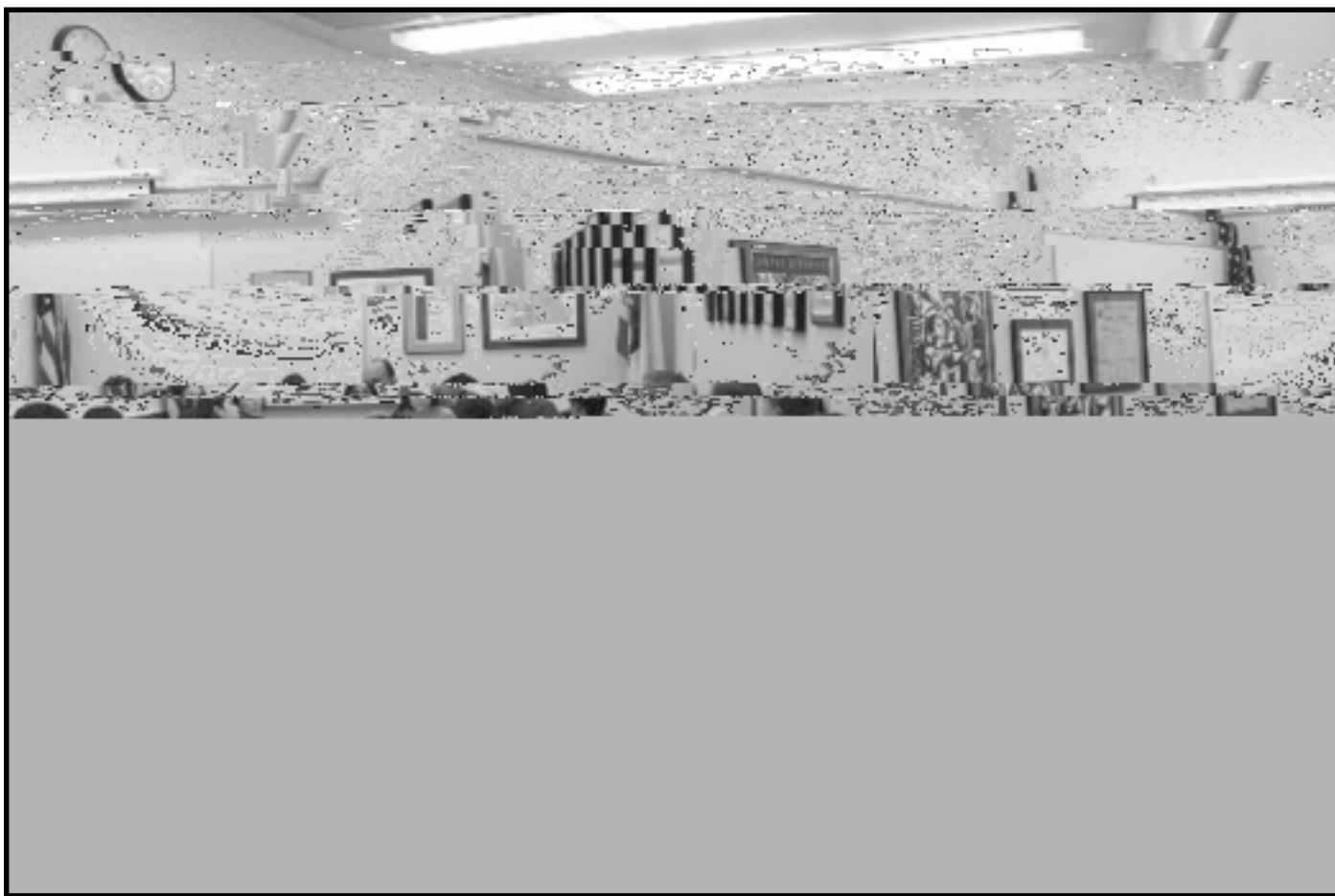
**WELDING TECHNOLOGY
(CERTIFICATE CODE: 5320)**

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

Twenty (20) units required for this certificate

I. Required Courses for the certificate

WELD 130	Welding Technology	5
OR		
WELD 110	Oxy-Acetylene Welding	2
AND		
WELD 120	Arc Welding	3
WELD 220	Arc Welding Processes	5
WELD 240	Pipe & Structural Welding	5
WELD 260	Welder Qual & Blue Print Reading	5



THE FACULTY

ALIBRANDI, THOMAS
Instructor, English as a Second Language
Ed.D., University of San Francisco
M.A., University of San Francisco
A.B., Syracuse University

CHIEN, ANDREW
Instructor, Biology
Ph.D., University of Illinois
M.S., Oklahoma State University

- LOFGREN, MARY
Counselor, Associate Professor
M.A., University of Redlands
B.A., University of Redlands
- LOPEZ, JOSE
Professor, Automotive Technology
A.S., Imperial Valley College
Cert. Auto Tech., Los Angeles Trade Technology College
Automotive Master Technician Certification
- LOPEZ, ROSALIE
Upward Bound Project Director
Counselor, Professor
M.Ed., University of San Diego
B.A., San Diego State University
- LOPEZ, SERGIO
Student Affairs Director, Professor
M.Ed., University of San Diego
B.A., San Diego State University
- LOVITT, PAIGE
High Tech Center Specialist, Assistant Professor
M.S., California State University, Fresno
B.A., California State University, Fresno
- LUOMA, CRAIG
Professor, Nursing
B.S.N., Pacific Lutheran University
- MAGNO, JANIS
Dean of Financial Aid and State Programs
M.S., San Diego State University
B.A., San Diego State University
- MARCUSON, BRUCE
Professor, Administration of Justice
B.A., San Diego State University
A.A., Imperial Valley College
- MARQUEZ, RALPH
Counselor, Professor
M.Ed., University of San Diego
B.A., University of California, San Diego
- MARTINI, DONALD
Assistant Professor, English
M.A., State University of New York
B.A., Louisiana State University, Baton Rouge
- MARTY, KEVIN
Instructor, Geology
M.S., University of Oregon
B.S., Central Washington University
- MASON, CHARLES
Instructor, Disabled Student Programs and Services
A.A., Palomar College
- MAZEROLL, LORRAINNE
Counselor, Instructor
M.A., University of Redlands
B.A., San Francisco State University
- McCLAIN, JOHN
Instructor, English As A Second Language
M.A., San Francisco State University
B.A., University of California, Berkeley
- McCORMICK, JOHN
Professor, English
M.A., Northern Arizona University
B.A., California State University, Long Beach
- McNEECE, P. BRIAN
Professor, English
M.Ed., Northern Arizona University
M.A., San Diego State University
B.A., UC San Diego
- MECATE II, JAMES
Associate Professor, Exercise Science, Wellness & Sport
M.S., Brigham Young University
B.S., Brigham Young University
- MEEK, AL
Professor, Nursing
M.S., Fresno State College
B.S., California State Polytechnic College, San Luis Obispo
- MERCADO, MARIA LOURDES
Counselor, Assistant Professor
M.A., Point Loma Nazarene University
B.A., San Diego State University
A.A., Imperial Valley College
- MILLER, FONDA
Assistant Professor, Child, Family, and Consumer Sciences
M.S.A., Iowa State University ..
B.A., Otterbein College
- MIRANDA, FRANK
Instructor, Air Conditioning & Heat Ventilation
Contractors State License
- MORRELL, THOMAS
Instructor, Biology
Ph.D., Pennsylvania State University
M.S., University of Nevada
B.S., University of Montana
A.A., Columbia Community College
- MOSIER, LAURA
Instructor, Speech
M.A., San Diego State University
B.A., San Diego State University
A.A., Grossmont Community College
- NAVA, NORMA
Counselor, Professor
M.S., San Diego State University
B.S., San Jose State University
- NILSON, BARBARA
Associate Professor, Mathematics
B.A., San Diego State University
- NUÑEZ, NORMA
Matriculation Director, Professor
M.S., San Diego State University
A.B., San Diego State University
A.A. Imperial Valley College
- ORENSZTEIN, ARMAND
Professor, Mathematics
M.S., University of Illinois
M.A., University of California, Riverside
B.S., University of Illinois
- ORFANOS-WOO, STELLA
Counselor, Professor
M.A., Point Loma Nazarene College
B.A., University of California, Riverside
- ORTEGA, ALICIA
Professor, Spanish and French
M.A., San Diego State University
B.A., San Diego State University
A.A., Imperial Valley College
- PACHECO, STEPHAN
Instructor, Philosophy
M.A., University of California, Riverside
B.S., University of Oregon
- PAGE, BRUCE
Instructor, Speech/Journalism
M.A., American University
B.A., University of British Columbia
A.A., Skagit Valley College
- PAI, PAUL
Superintendent/President
Ed.D., Nova Southeastern University

PATTERSON, JAMES

Associate Professor, Speech and Theatre Arts
Ph.D., The Union Institute
M.A., Arizona State University
B.A., Grand Canyon University

PETERSON, CINDI

Instructor, English as a Second Language
M.A., California State University, San Bernardino
B.S., University of California, San Francisco

PFISTER, TONI

Instructor, Exercise Science/Wellness/Sports
M.S., California State University, Hayward
B.A., San Diego State University

PLASCENCIA, JOSE

Counselor, Assistant Professor
M.S.W., San Diego State University
B.A., San Diego State University
A.A., Imperial Valley College
A.S., Imperial Valley College

POLLOCK-BLEVINS, DIEDRE

Professor, Nursing
M.S.N., University of Phoenix
B.S.N., Consortium of California State Universities & Colleges

PONCE, JOSEFINA

Professor, English As A Second Language
M.A., Northern Arizona University
B.A., San Diego State University

PRADIS, RICARDO

Assistant Professor, Automotive Technology
Universal Technical Institute, Phoenix AZ

RAPP, FRANK

Professor, English
M.A., San Diego State University
B.A., San Diego State University

RIESBERG, CURT

Instructor, English
M.P.W., University of Southern California
M.A., Kent State University
B.A., University of Minnesota

RIEHLE, BETSY

Instructor, Mathematics
B.A., San Diego State University
A.A., Imperial Valley College

ROBERTS, CHRISTOPHER

Instructor, History
M.A., University of California, Santa Barbara
B.A., American University
A.A., Mercer County Community College

RODGERS, GARY

Professor, Administration of Justice,
Anthropology & Sociology
M.S., National University
A.B., San Diego State University

RODGERS, VALERIE

Professor, Business
Chairperson, Division of Business
M.A., Webster University
B.S., San Diego State University

ROMERO, YOLANDA

CalWORKS Assessment Coordinator
Counselor, Professor
M.A., United States International University
B.A., San Diego State University
A.A., Imperial Valley College

ROWLEY, DEIRDRE

Instructor, English
M.A., Northeastern University



EMERITUS FACULTY

AKERS, H. RUSSELL Physically Limited 1973-1987	CHAMPAGNE, PHILIP Welding 1971-1989	GRANADOS, ESTHER Business 1990-1999	LARSSON, HAROLD Astronomy 1966-1984
ALBERDA, STANLEY Dean of Learning Services 1969-1993	DePAOLI, JOHN A. † Superintendent/President 1965-1995	GREVATT, JAMES Counseling 1975-1996	LEGARRA, STANLEY Health Educ./Physical Educ. 1974-1992
ANDERSON, LESLIE Law Enforcement 1967-1983	DOMINGUEZ, GILBERT Superintendent/President 1996-2002	GRIFFIN, WILLIAM Business 1961-1992	LEONARD, THOMAS † Psychology 1964-1972
BACON, JEANNE Physically Limited 1973-1985	DUFF, JACK Counseling 1981-1985	HANN, RICHARD Humanities 1967-2003	LEPTICH, DEAN JERGE, MICHAEL
BANKS, STANLEY † Sociology 1966-1987	FARRAR, LLOYD † History 1968-1992	HEBERT, ROGER Physical Education 1968-1994	
BARKALOW, N.C. † Law Enforcement 1974-1981	FARRIER, PAUL History 1970-1994	HILLHOUSE, ROSANNE English 1963-1999	
BARKER, MICHAEL † Anthropology 1968-1979	FIELDS, MAX Health Educ./Physical Educ. 1969-1994	HINSHAW, JOHN † Mathematics 1942-1973	
BILLINGS, LANELLE Business 1974-1999	FINLEY, LUTHER † Engineering 1960-1981	HUGHES, MERRLYNN Nursing 1986-1997	
BILLINGS, ROBERT C. Physical Ed, Auto Tech 1968-1999	FINNEY, DEE † Physical Education 1967-1981	JERGE, MICHAEL Business, Economics 1967-1999	
BRUNGARDT, MARTHA † Nursing 1972-1985	FUESLER, JACK † Music 1964-1989	JONES, SHIRLEY Counseling 1982-1999	
BUCKEL, EILEEN Dean of Learning Services 1993-2005	GALAMGAM, ADELE † Assistant Librarian 1965-1994	KELSOE, LEON History & Exercise Science 1970-2003	
BERNARD, WILLIS C. Art 1969-1988	GARTIN, HERBERT † Psychology 1966-1978	KNOWLTON, ROGER Mathematics 1976-1999	
CERDA, DANIEL English 1974-2003	GENTRY, GLENN A. Work Experience 1967-1981	KOSKI, RAUHA K. † Nursing 1974-1981	
CERDA, ERNESTINE English 1974-2003	GERARD, ROBERT † Coord., Special Populations 1988-1993	LANFORD, CONWAY Counseling 1970-1984	

MOORE, ROBERT
Business
1970-1988

NADEAU, NANCY
English Instructor
1975-2002

NOVAK, RUTH †
Dean of Counseling
1958-1972

OVERMAN, RUTH †
Business
1650-1918

μ
Business
1670-1988

, J. R. T
1675-2038

1670-1948/IST

1840-1918

μEngliss1970-1948

INDEX

A

ACCESO Project 47
 Academic Dismissal 25
 Academic Freedom Statement 11
 Academic Probation 25
 Academic Renewal 23
 Accreditation Report 10
 Accreditation 17
 Activities, Student 17
 Administration 6
 Administration of Justice 12,57
 Admission 18
 Advanced Placement Credit (AP) 22
 Advanced Placement, Nursing 15
 Affirmative Action Policy 19
 Agricultural Engineering Technology 58
 Agricultural Science 58
 Air Conditioning and Refrigeration 60
 Alcohol and Drug Studies 60
 Allied Health Professions 61
 American Sign Language 63
 Anthropology 63
 Apprenticeship Training Program 12
 Art 64
 Assessment 18
 Assistance, Financial 16
 Associate Degrees 28
 Associate Degree Nurse 13
 Associate in Arts Degree 28
 Associate in Science Degree 16, 28
 Associated Students 16, 28
 Astronomy 66
 Athletics
 Intercollegiate 17
 Attendance and Automatic Withdrawals 25
 Automotive Body and Paint 66
 Automotive Technology 67

B

Biology 68
 Board of Trustees 5
 Bookstore 17
 Building Construction Project Management 70
 Business Administration 71

C

Calendar, Academic 7
 California Articulation Number (CAN) 49
 California State Universities 31
 Campus Location 10
 Campus Regulations 25
 Certificate Programs 34, 134-136
 Changes in the Catalog 27
 Charges, Other fees and 17

Cheating & Plagiarism 23
 Chemistry 74
 Child, Family and Consumer Sciences . (CFCS) 75
 College Center, Book Store and 17
 College Credit for Regional Occupational
 Program Courses 22
 Communications 76
 Community Education 12
 Competency, State Requirement 29
 Computer Information Systems 76
 Correctional Science 78
 Correspondence & Extension Courses, Credit for.....

F

Facilities 10
Faculty 147

Preschool and Infant Toddler Center 13

C

NOTES:

.....

Imperial Valley College Foundation



1967

1988

1991

1992

1993

1994

1995

1996

1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

2024

2025

2026

2027

2028

2029

2030

2031

2032

2033

2034

2035

2036

2037

2038

2039

2040

2041

2042

2043

2044

2045

2046

2047

2048

2049

2050

2051

2052

2053

2054

2055

2056

2057

2058

2059

2060

2061

2062

2063

2064

2065

2066

2067

2068

2069

2070

2071

2072

2073

2074

2075

2076

2077

2078

2079

2080

2081

2082

2083

2084

2085

2086

2087

2088

2089

2090

2091

2092

2093

2094

2095

2096

2097

2098

2099