

THE NEW
IMPERIAL VALLEY
COLLEGE

IMPERIAL JUNIOR COLLEGE DISTRICT

GENERAL
CATALOG

ANNOUNCEMENT OF COURSES

for

1960 - 1961

600 West Main St. • Imperial, California • Flanders 5-1193

IMPERIAL COUNTY, CALIFORNIA

IMPERIAL VALLEY COLLEGE

CALENDAR

1960 - 1961

FALL SEMESTER

- Sept. 1—9:00 a.m.—Aptitude tests and English placement tests for all entering day and evening students.
- Sept. 1—7:00 p.m.—Repetition of tests.
- Sept. 2—7:00 p.m.—Repetition of tests.
- Sept. 7—8:00-12:00 a.m.—Registration of sophomores with teacher-counselors
- Sept. 8—8:00-12:00 a.m.—Registration of freshmen with teacher-counselors
- Sept. 9—7:00-9:00 p.m.—Registration of evening school students.
- Sept. 12—Day and evening instruction begins.
- Oct. 3—Last day for withdrawal from classes without penalty.
- Nov. 7-10—Midterm examinations.
- Nov. 11—Veterans' Day (Legal holiday).
- Nov. 24-25—Thanksgiving Holidays.
- Dec. 22-Jan. 2—Christmas Holidays
- Jan. 19-27—Final Examinations.
- Jan. 27—Last day of Fall Semester.

SPRING SEMESTER

- Jan. 30—Day and evening instruction begins.
- Feb. 20—Last day for withdrawal from classes without penalty.
- Mar. 20-24—Midterm examinations.
- Mar. 27-31—Easter Holidays.
- June 1-9—Final examinations.
- June 9—Last day of spring Semester—Commencement.

A D M I N I S T R A T I O N

1960 - 1961

BOARD OF TRUSTEES

- WILLIAM D. ANDERSON, President
Trustee from area which includes Calexico Union High School District
- VICTOR V. VEYSEY, Clerk
Trustee from area which includes Brawley Union High School District
- MILTON W. CARR
Trustee from area which includes Calipatria Unified School District
- RIGMOR B. COPE
Trustee from area which includes Central Union High School District
- DON L. C. LYDICK
Trustee from area which includes Imperial Valley Union High School District
- WILLIAM J. THORNBURG, JR.
Trustee from area which includes Holtville Union High School District
- CAROLYN F. WALLACE
Trustee from area which includes San Pasqual Valley Unified School District



MILO P. JOHNSON
Superintendent - President

AUDREY D. THOMAS
Business Assistant

JEAN HUNE
Secretary

RALPH DELACEY
Supervisor of Maintenance and Operations

THE FACULTY

- ALTENBERG, NORMAN B. History, Mathematics
B.A., George Pepperdine College
M.A., Los Angeles State College
- BISHOP, CAROLYN Business Education
B.S., Brigham Young University, Utah
- BISHOP, JOSEPH L., Jr. English, French
B.A., M.A., Brigham Young University, Utah
- DEKKER, MAXINE JOY Coordinator of Student Activities,
Physical Education
B.A., University of California
M.A., Long Beach State College
- FINLEY, LUTHER E. Engineering
B.S., M.A., Arizona State University
EdD., University of Southern California
- GARDNER, LYNN J. History, Spanish
B.A., M.A., Brigham Young University, Utah
- GRAY, DONALD C. Social Studies
B.A., M.A., University of California
- HAINES, DAVID V. Geography, Geology, Mathematics
B.A., Brooklyn College, New York
M.S., Pennsylvania State College
- HARTSHORN, ROBERT, Jr. Librarian
B.S., Brigham Young University, Utah
M.S., University of Southern California
- HINSHAW, A. JOHN Head Counselor, Mathematics
B.S., University of Southern California
- HOOPER, ROBERT L. English, Journalism
A.B., M.A., University of California
- JANISCH, EDWARD J. Social Studies
B.S., New York State University
M.A., Colgate University

THE FACULTY

- JOHNSON, MILO P. Superintendent, President
A.A., Long Beach Junior College
B.S., M.A., EdD, University of California at Los Angeles
- LEE, LORAN C. Music
B.S., Arizona State College
M.S., University of Arizona
- NORTON, FLOYD A. English
A.B., Colorado State College
M.A., Colorado University
- NOVAK, RUTH V. English, Psychology
A.A., Los Angeles Junior College
A.B., M.A., University of California at Los Angeles
- PAULSON, CLARENCE E. Business Education
B.A., M.A., George Peabody College
- PERSKE, GERALD K. Biological Science
B.S., M.S., University of Nevada
- PRICHARD, LOYD C. English, Physical Education
B.S., M.A., University of Florida
- RICHWINE, HAROLD J., Jr. Physical Science
B.S., Shippensburg State College, Pennsylvania
M.S., Buckness University, Pennsylvania
- ROBINSON, JACK W. Physical Education
A.A., Dixie Junior College
B.S., Arizona State College
- WALKER, DANIEL GERS Social Studies
B.A., University of Corpus Christi, Texas
M.A., Southwest Texas State Teachers College
- WESTBURG, JOHN E. Journalism
B.A., M.A., University of South Carolina
M.E.S., M.A., PhD., University of Southern California

HISTORY OF IMPERIAL VALLEY COLLEGE

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

During its thirty-eight years of service to residents of Imperial Valley, the junior college movement has grown from two small colleges, organized by two high school districts, to a county-wide junior college district which serves seven high schools and unified school districts.

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

Two years later, in the fall of 1924, the Brawley Union High School District opened classes at the Brawley Junior College.

Enrollments increased in both schools until the war years when attendance dropped sharply. Brawley Junior College was forced by lack of attendance to discontinue classes at the close of the 1947 school year.

Although enrollment dropped at Central Junior College, the institution continued to operate and after the war years steadily gained in attendance.

The Associate in Arts degree was first conferred by Central Junior College in 1934.

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

The school, under the administration of the Central Union High School District, gained recognition as an accredited institution of higher education. As the institution grew with the community, this growth 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.

An increasing number of students from other high school districts attended the college in El Centro, and it was felt that a county-wide junior college district with a campus of its own could offer much more to the students and be of greater service to the entire Valley.

A recommendation that such a county-wide junior college

district be established in Imperial County was submitted to the State Department of Education and was approved on July 10, 1959. The 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 of twelve to one, 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 school or unified school districts represented in the area served by the Imperial Junior College District.

This District includes all of Imperial County except two areas. One, the Niland School District, is not a high school or unified school district as is required by State law of areas participating in a junior college program. The other, a small area in the northwest corner of the County, is a part of the new Coachella Valley Junior College District.

Because of the increase in enrollment at both Central Union High School and the Imperial Valley College, and because of the lack of space on the campus of the Central Union High School in El Centro, the Imperial Valley College will hold classes for two years in temporary quarters erected on the campus of the Imperial Valley Union High School in Imperial, California.

Plans are being laid by the Junior College District Board of Trustees for the selection of a permanent site and for the erection of permanent buildings for the new county-wide college. These plans should become a reality by September, 1962. The Imperial Valley College, under its new administration, is looking forward to a continued history of growth and service to the communities of Imperial Valley.

ACCREDITATION

The college is officially accredited by the Western College Association and the State Department of Education. The University of California and other colleges and universities of high rank give full credit for transfer courses completed here.

INSTITUTIONAL AFFILIATIONS

The college is a member of the California Junior College Association and the Southern California Junior College Association.

APPROVAL BY VETERANS ADMINISTRATION

The College is fully approved by the Veterans' Administration for training in connection with PL 894 (Vocational Rehabilitation), and PL 550 (Korean Veterans).

OBJECTIVES AND PHILOSOPHY

The following objectives serve as a framework for the total program of Imperial Valley College. They outline the principles which form the basis for evaluating the courses offered, the teaching methods used, the administrative policies, the social relationships and the physical facilities of the campus.

A public junior college serves as a capstone to the public supported, locally controlled, educational program. It provides one of the most effective means of strengthening and advancing the basic ideals of democracy. It is therefore the objective of this college to provide educational experiences which promote and emphasize the fundamental democratic way of life.

College education is likely to be the last organized effort made by most citizens to improve their knowledge, skills, and understandings. It is the accepted obligation of the college to strive to help each student to become more competent in using the essential skills of communication, to improve his knowledge and appreciation of the history of our culture, to further develop understandings of other nations and appreciation for their culture, and to acquire greater knowledge of mathematics and science as resources for control of our environment.

The major purpose of the college program is to develop to the highest potential the talents of each student by helping him to evaluate his special abilities and special needs and assisting him to select appropriate goals (including vocational choices) and then to choose learning experiences both in college and in part time work which will assure his maximum achievement.

The best college education provides for the development in each student of responsible self direction. The aim of the teacher-counselor program of the college is to assist the student to gain the necessary knowledge so that he can intelligently make his own decisions and then assume the responsibility for the choices that he has made.

All college students have creative ability to some degree. An objective of the college is to offer opportunities in art and music as well as all other subjects for the development of creative expression and appreciation in all students.

In a world characterized by rapid social and technological change and one in which the pressures of daily living are severe, the college accepts as an objective the development of moral and spiritual values, ethical ideals and the appreciation of the high standards of conduct. While a public junior college must leave religious instruction to the churches, it is the aim of this college to maintain a respectful attitude toward the religious beliefs of the students.

The best college program for today is likely to be inade-

quate for tomorrow. In order to keep the program dynamic and developing, teachers are encouraged to keep up with their fields of specialty, special consultants are asked to review and evaluate, and citizens advisory groups are asked to make recommendations about course content and facilities.

The college aims to keep the people of the county who own the school fully informed concerning its program, needs, purposes and the opportunities which it presents.

DEGREE

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.) degree. Conditions under which the degree is granted are outlined in the section on graduation requirements.

LOCATION

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

The temporary location of the College is at 600 West Main Street in the city of Imperial, California. (Phone: FLanders 5-1193.) This temporary location is within reasonable commuting distance of all of the cities of the Valley.

FACILITIES**IMPERIAL VALLEY COLLEGE**

Imperial Junior College District
Freshmen, Sophomores

San Diego State College
Juniors, Seniors, Graduates

Imperial Valley College is unique among the junior colleges in California in that by close cooperation with a State College certain students can attend four years and complete a bachelor's degree while attending the one combined college. San Diego State College, Imperial Valley Center, shares the physical facilities with the junior college. Administrative offices are side by side, one library is used by both and the exchange of certain teachers has been worked out so the students in both lower division and upper division benefit from this close cooperation.

At the present time courses offered in the upper division (third and fourth years) are largely those courses required for the elementary school teaching credential.

Because the temporary location of the college is on the Imperial High School grounds, some facilities, such as the gymnasium, cafeteria, and laboratories are used jointly. The college offices, library, and most classrooms are housed in specially constructed air-conditioned buildings.

LIBRARY

The college library serves both the Imperial Valley College and the off-campus center of San Diego State College. The cooperation of these two institutions means that a greater number of books and periodicals is available to the students of both institutions. Two librarians, one on the staff of each institution, provide added assistance to students.

TYPES OF COURSES AND PROGRAMS

In order that Imperial Valley College may achieve its goal of serving all students who desire to learn, two general types of courses are offered: Transfer and Semiprofessional.

Transfer Courses

The transfer courses are designed to parallel the lower division courses offered in colleges and universities. (Because so many of the students from Imperial Valley College transfer to San Diego State College or to the University of California at Los Angeles, the courses at these two institutions have been used as models for much of the work offered at Imperial Valley College.)

These courses meet the needs of those students who wish to transfer to a four year institution at the end of the sophomore year. Regardless of the major interest of the student, the first two years of college work include many fundamentals and basic requirements that can be met by enrollment in Imperial Valley College.

This offers an opportunity to students to begin their advanced education while still residing at home. Not only can this be of great financial assistance, but it offers an excellent transition between the high school campus and the large, often impersonal, college campus. The intimate, though scholarly, atmosphere of the college; the opportunity of each student to know his instructors personally; and the chance to participate in the counseling program; all offer invaluable opportunities to the student that might not be available in an institution where the very size of enrollment makes personal interest in every student more difficult.

Not only can the student receive excellent personal assistance with his work, but the opportunities for leadership in student affairs are increased.

Through the counseling program, a close scrutiny is given to the courses in which a student enrolls so that there may be no time lost in the overall four year college program. The student plans ahead, sets up his goal, and systematically includes those courses of study that will be of the greatest benefit to him.

Any student who has deficiencies in high school subjects or grades needed for entrance to the college or university he wishes to attend at the end of his sophomore year, may make these up at the same time he is working for the Associate in Arts degree. He thereby avoids a loss of time.

Semiprofessional Courses

The semiprofessional courses are designed for several types of students.

Many of the needs of the student who seeks employment at the end of the sophomore year can be met by the **vocational courses** included in this group. In addition to offering a breadth of education, they meet specific needs in the shortest possible time in preparing the student for his chosen field of employment.

The semiprofessional courses also offer a concentrated, well organized **liberal arts program** to meet the needs of the individual who has only two years to devote to higher education after the completion of high school. He may specialize in a choice of subjects in the liberal arts field and thereby gain a background that will always be invaluable to him in whatever line of work he wishes to follow.

The semiprofessional program also includes special courses that have been designed for the adult who did not have the opportunity of completing his high school training and who wishes to take work that will meet this end. On recommendation of the administration, after the completion of such work, the student becomes eligible for his high school diploma.

Coordinated with these two general divisions of work at the college (transfer and semiprofessional) there are three programs that are designed with specific types of students in mind. They are the students who can devote only evenings to school, the students who can coordinate their college study with a program of employment, and the outstanding high school seniors who can profit by special work at the college level.

Extended Day Program

The Extended Day Program, which is composed of regular college classes that meet at night, offers to the first of these

an opportunity to work for the Associate in Arts degree, to complete regular lower division work in a four year program, to make up any high school deficiencies, or simply to take additional classes of interest that will add to general education.

Although it takes longer than the day program, students find that with adequate planning, with the assistance of a teacher-counselor, that in a surprisingly short time the goals they establish in the field of higher education can be attained through the Extended Day Program.

Vocational Work-Study Program

Coordinated with these courses of study, Imperial Valley College offers a Vocational Work-Study Program. Under this plan students are assisted in finding part-time employment in fields that are related as closely as possible to their occupational goals. Cooperating with employers and the State Employment Office, teacher-counselors investigate the positions that are open; refer the students for interviews; and visit the students at work so that they may help to improve job performance and stress the need for knowledge, skill, and good work habits. Students can earn a maximum of 16 units (four units of credit per semester) toward junior college graduation if they make satisfactory progress and if the work is related directly to their occupational goals. Such credit is generally not accepted for transfer by four year colleges. The most important values derived from this program are those which will make the student a better employee, a better scholar, and a better citizen. All employers in Imperial Valley have been invited to participate in the work study program.

Honors Program for Talented High School Seniors

This program provides high school seniors who have special abilities an opportunity to take college courses. Selected seniors from Imperial Valley high schools are eligible to enroll and pursue an accelerated program by means of concurrent enrollment at Imperial Valley College. The maximum amount of work a student may take is 2 to 8 units of college courses (at Imperial Valley College) before or after a minimum day, including physical education, at his own high school.

The major objective of the program is to promote the advancement of specially capable students by permitting them to earn college credit while completing high school senior work.

The program is directed to the upper five percent of the high school seniors.

Students selected for the program must complete all graduation requirements in the high school program at the same time they take the college courses. Parents of the students

involved must give approval before any nominated students are eligible for the program.

The selection of candidates is made by the high school principal or his designated staff member. He advises the student and his parents of the student's eligibility for the program.

The College teacher-counselors work with the students, their parents, and the high school counselor, in the implementation of the program.

The high school students who accept the invitation to enter the program may take not more than two courses with a maximum of 8 units of college credit. Students have a great deal of freedom in the selection of college courses. They are not eligible for classes held after 6 p.m. Among the courses in which they may enroll are the following:

Anthropology	Geology	Philosophy
Art	History	Physics
Chemistry	Languages	Sociology
English	Mathematics	Zoology
Psychology	Business	Economics

Although no high school student has attained a high school diploma when he starts the program, he is registered by the college as a regular student. Grades and units earned are part of his permanent college records. Most four year colleges and universities have indicated that they will award transfer credit for work satisfactorily completed.

Both the college and high school transcripts of record will bear a label such as the following:

HONORS PROGRAM

(Concurrent High School and College Enrollment)

The students will spend a minimum of four periods in high school. The physical education requirements will be met within that four period schedule. Average daily attendance credit will be counted at the high school and at the college. (1959 Senate Bill 285 and Assembly Bill 10.) Students are restricted to a spectator's role in college student activities, and extra-curricular participation is to be confined to the high school. Personal counseling is available at the college, but every effort will be made to leave this responsibility to the high school counseling staff. Educational and occupational counseling is to be shared by the staffs of the two institutions.

The costs of participation will be assumed by the students and their parents. There is no tuition nor other fee and the students are not eligible to join the Imperial Valley College Associated Student Body. Textbook expenditures will range between \$10 and \$20 per semester. Transportation provisions are to be made by the student and his parents.

GUIDANCE SERVICES

Each full-time student is assigned to a teacher-counselor, and he becomes a member of a counseling group of students who have similar occupational goals. Tests to help the student acquire knowledge about his special abilities and interests are given at the beginning of each semester and with the help of the teacher-counselor, the student can select courses on the basis of his scores, his demonstrated abilities, and his interests.

The counseling program is offered as a series of regular Psychology Courses: 9a, 9b, 9c, and 9d, with ½ unit of credit for each semester. Students attend group counseling sessions every other week for one hour. Some of these group meetings are devoted to college study skills including lecture note taking, library research methods, and techniques to improve listening and reading skills. Several of the group counseling sessions are devoted to an intensive study of the occupational fields in which the student is interested. This includes study trips to see these occupations in action, guest speakers who are successful in their occupations and a close look at current employment opportunities.

Besides the group meetings, each student has a regularly scheduled 20 to 30 minute individual counseling session with his teacher-counselor once a month. In addition to this, he may make other appointments as the need arises. If a student should have trouble in any subject, his counselor is notified and an immediate conference to work on the problem is called so that a solution can be found while an adjustment is still possible.

In addition to the student's individual teacher-counselor, who is available throughout the student's junior college career, personal problems which the student may not wish to discuss with him may be discussed with the woman in charge of student activities or the man who is the head counselor.

The counseling program is closely coordinated with the work study program so that students gain actual experience in the field of their choice while they are increasing their knowledge in the classroom.

The guidance and counseling program, as organized at Imperial Valley College, helps the student gain the greatest possible advantage from his college experience for it aids the student to make the most of his potentialities and training by helping him to define his objective and then encourages him to make definite plans to reach that objective. It eliminates routine problems that often retard a student's progress and lets the student himself be free to formulate his plans and to meet situations and problems in a mature and intelligent manner.

ADMISSION

Admission to Imperial Valley College is governed by the laws of the State and such supplementary regulations as are prescribed by the Board of Trustees.

1. Admission of **High School Graduates**. Graduates of a four-year high school or its equivalent, who have been honorably dismissed from the school last attended, are eligible for admission to college standing. A transcript of the secondary school record must be filed with the college registrar and evaluated by the admissions committee before admission is granted.

2. Admission of **High School Graduates with Recommended Status**. The term **recommended status** applies to those students who, at the time of their graduation from high school, had completed a college preparatory course which included the following basic academic core of subjects with an average grade of B or higher. (One credit represents one year's work in a high school subject.)

- a. History 1 credit
- b. English 3 credits
- c. Laboratory Science (11th or 12th grade course in chemistry, physics, physiology, botany, or zoology) 1 credit
- d. Foreign language (one language) 2 credits
- e. Advanced mathematics, or chemistry or physics (in addition to c), or foreign language (additional year in language offered under d or 2 years of another language) 1 or 2 credits

NOTE: A high school graduate who does not have these requirements but wishes to attend a college or university that has these requirements for entrance, may make up either subject or grade deficiencies at Imperial Valley College and at the same time make progress toward the Associate in Arts degree.

3. Admission of **Non-Graduates of High School**. Any other person eighteen years of age or over may apply for admission to the college. Admission in such cases is governed by the person's seriousness of purpose and whether in the judgment of the administration the college work will be profitable to him. Those admitted may wish to enroll in some course or courses for purposes of general education, in a specialized vocational program, or in courses that will complete requirements for a

high school diploma, which, on recommendation of the college, will be granted.

4. Admission of **Special High School Students.** Outstanding high school students, selected by the high school principals will be admitted for 2-8 units of college work. (See page 12.)

5. Admission of **Students with Advanced Standing.** Applicants who have attended other colleges may be admitted with advanced standing upon recommendation of the Administration. Before admission and advanced standing can be granted, such students must present for evaluation transcripts of their high school records, together with transcripts of their college records, and honorable dismissals from the institutions last attended.

6. Admission of **Students from Other States.** Students from other States may be accepted for enrollment if they meet the requirements of admission. A fee of \$200.00 per year is charged out-of-State students.

7. Admission of **Foreign Students.** Foreign students may be admitted to Imperial Valley College if their qualifications meet the requirements of admission. A fee, based on the actual current expense cost is charged. This fee has been set at \$500.00 by the Board of Trustees for the school year 1960-1961.

DEFERMENT OF STUDENTS UNDER SELECTIVE SERVICE REGULATIONS

Selective Service regulations provide deferments for men in college provided they meet certain requirements. It should be understood that a deferment does not excuse a student from serving in the military, but merely defers military service until a time when he is more valuable to the service. To be eligible for a deferment, a student must make normal progress toward a degree. Normal progress means that a student should carry a minimum of fifteen units per semester and do satisfactory work in all of this classes.

Although subject to change at any time, at present a I-S deferment for a year must be given to every college student regardless of when he is ordered to induction. A II-S deferment may be granted to a student if he makes a high enough scholastic average to warrant it. A student may be privileged to complete his four years of college work so long as he maintains the requisite scholastic average.

Students subject to the draft and desiring deferment should request that the college notify their draft boards of their attendance in school, and observe all other regulations concerning deferment. Students who need advice in this area are urged to see the Head Counselor.

EXPENSES

Since no tuition is charged by the college, unless the student is classed as a non-resident, the only expenses that are normally incurred by him are for books, supplies, and a student-body card. These expenses are approximately \$50.00 a semester, depending upon the courses that are taken.

The student-body card, which costs \$12.00 per year, admits the student to all regular athletic activities of the college, either home or away; pays for the school paper, "The Mirage"; gives voting privileges and the opportunity to hold office; provides a copy of the college annual, "The Painted Desert"; permits use of the student store and lounge area; and gives reduced rates at some movie theatres. A student who registers for ten units or less may purchase a special student body card for \$4.50 which entitles him to the newspaper, admission to the games, and to the use of the student store and lounge.

STATUS OF GRADUATES

The degree, Associate in Arts, is awarded to a student who fulfills a two-year organized program of college work, either of a semiprofessional type or of a lower-division university type. Consequently, the degree does not in itself entitle a student to transfer to advanced standing in a four-year college or university. Each institution prescribes its own admission requirements. Students who wish to transfer to the upper division of a four-year college must satisfy the course, unit, and grade requirements of the college they wish to enter.

SCHOLARSHIPS

A number of scholarships are available to students who attend Imperial Valley College. The donors are service organizations and individuals. The purpose of these scholarships is to give some financial assistance to worthy students desiring to continue their education. The grants are based upon factors of scholarship, citizenship, character, need, and life-goals and purposes. Further information about these scholarships may be obtained from the head counselor.

The Imperial Valley Branch of the American Association of University Women offers a scholarship of \$400 for which Imperial Valley College graduates may apply.

Through the Gamma Delta Chapter of Alpha Gamma Sigma, the junior college scholarship society, awards varying from one hundred to five hundred dollars are available to high-ranking members of the organization. Information concerning these grants may be obtained from the adviser, Gamma Delta Chapter, Alpha Gamma Sigma.

At universities and colleges, scholarships are available for outstanding graduates of junior colleges. In general, applications for these scholarships should be made by January 1st of the year preceding enrollment.

CHANGES IN PROGRAM OF STUDY

The filing by the student of a program of study and its acceptance by the college obligates the student to perform faithfully the work assigned to the best of his ability. No student may change his program without obtaining an official change-of-program slip from the registrar's office. He must first have the approval of his counselor for the change. The official slip must be signed by the instructors concerned and returned to the office before the change becomes effective. All changes of program should be made before the end of the second week of the semester. A student should limit himself to no more than two changes in program, if at all. If more are requested, then such changes must be justified by petition. Careful attention given to program planning in the first place will obviate the necessity of making any such changes.

SCHEDULE LIMITATIONS

A regular program is 15 to 17 units, including an activity course in physical education. To be eligible for deferment under Selective Service, a student should take a minimum of 15 units per semester. The maximum load for any new student is 17 units; exceptions will be made only by special permission of the Administration.

AUDITING

A student may audit a class with the permission of the instructor. No credit is allowed for courses audited. A course begun on an auditing basis cannot be changed to a credit basis. No student regularly enrolled in a class for credit will be permitted to become an auditor in that class after the third week of the semester.

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. Mid-semester grades are of a preliminary nature only, are recorded for the use of the registrar and staff, and are made known to the student only if a deficiency exists. The meaning of each grade is as follows:

1. GRADES

A Superior

HONOR GRADE indicating EXCELLENCE earned as a result of consistently superior examination scores; consistently accurate and prompt completion of assignments; ability to deal resourcefully with ideas; superior mastery of pertinent skills; and promise of success in field related to subject.

B Better Than Average

HONOR GRADE indicating COMPETENCE earned as a result of high examination scores; accurate and prompt completion of assignments; ability to deal well with ideas; commendable mastery of pertinent skills; and promise of continued success in sequential courses.

C Average

STANDARD COLLEGE GRADE indicating SUCCESSFUL PERFORMANCE earned as a result of satisfactory examination scores; generally accurate and prompt completion of assignments; ability to deal with ideas; fair mastery of pertinent skills; and sufficient evidence of ability to warrant entering sequential courses.

D Passing

SUBSTANDARD GRADE indicating the MEETING OF MINIMUM REQUIREMENTS ONLY earned as a result of low examination scores; generally inaccurate, incomplete, or late assignments; inadequate grasp of ideas; barely acceptable mastery of pertinent skills; or insufficient evidence of ability to make advisable the enrollment in sequential courses.

Inc. Incomplete

UNFINISHED WORK, OTHERWISE PASSING indicating that an important assignment such as a term paper, final examination, or experiment is missing (for medical or other sufficient reason) but can be submitted to complete the course. Removal of an incomplete establishes whatever grade is warranted, so long as the work is made up before the end of the sixth week of the following semester; otherwise, the final grade is automatically recorded as an "F".

2. WITHDRAWAL GRADES

A withdrawal grade of W is entered on the student's permanent record if he withdraws prior to the end of the

third week of the semester. After three weeks the following grades are recorded:

- WA Superior
- WB Better than average
- WC Average
- WD Barely passing
- WF Failing

3. GRADE POINTS

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

- A 4 grade points per unit
- B 3 grade points per unit
- C 2 grade points per unit
- D 1 grade point per unit
- W (with a passing grade) 0 grade points per unit; units not charged against the student.
- W/F 0 grade points per unit; units are charged against the student.

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

MINIMUM SCHOLARSHIP REQUIREMENTS

Warning. Any time during the school year that a student is having trouble in any subject the teacher-counselor will be notified and an immediate conference to work on the problem will be called. If satisfactory progress is not made, and if the mid-semester check of grades shows that a student is "noticeably unsatisfactory," he is placed on warning. "Noticeably unsatisfactory," may result from any one of the following conditions:

1. A grade average of "D" or less.
2. A grade of "F" in two or more subjects.
3. Neglect in attendance of classes in general.
4. Lack of serious interest in work undertaken.

Probation. A student on warning will be placed on probation if he fails to make required improvements by the end of the semester or such other time as may be stipulated. Probation is entered on the student's permanent record. If placed on probation, a student may be limited in terms of course load should the counselor or scholarship committee so recommend.

Removal of Warning or Probationary Status

Warning status is automatically removed, if at the end of the semester, the student so placed in that status at mid-term achieves a "C" grade average for that semester.

Probationary status for scholastic deficiency is removed upon the student's demonstration of ability to achieve a "C" average for the following semester's class work.

WITHDRAWAL FROM COLLEGE

If it becomes necessary for a student to withdraw from the college before the end of a semester, he may obtain an honorable dismissal by making application to the Administration. When the application is accepted, the student is entitled to a "W/P" in each course in which he is certified by his instructor as doing work of passing grade and to "honorable dismissal" recorded on his permanent record. A course in which a student is failing at the time he withdraws will be recorded as "W/F".

If a student withdraws unofficially from the college without attending to the regulations cited above, a "W/F" will be automatically recorded for each course.

REPETITION OF COURSES

A student who receives a grade of "D" or "F" in a course may, upon repetition of that course, receive the grade assigned by the instructor and the grade points appropriate to that grade. A course may not be repeated more than once. Duplicate credit will not be granted upon repetition of a course in which a student has already received a passing grade. Grades of "C" and "B" may not be raised by repeating the course.

ATTENDANCE

The college has no system of free cuts; therefore regular attendance at all classes is expected of all students enrolled. Compliance with the following attendance regulations is expected:

Excused and Authorized Absences

1. In accordance with the provisions of the California Education Code, absence due to illness may be accepted for apportionment purposes. A student who has been absent because of illness, therefore, is expected voluntarily to present written verification of illness to the registrar's office and secure an excuse for presentation to instructors whose classes he has missed.

2. A student who must miss one or more classes in order to go on a field trip or represent the college in an athletic or other school event is automatically excused; rosters of students representing the college at various functions at various times are sent to each instructor from the college office.

Other Absences

Since the college issues no absence excuses except for illness or authorized activities, other absences will be handled as follows:

1. Instructors are expected to reduce grades of students who incur unjustifiable absences.
2. Three times tardy will be counted as one absence.
3. When a student has been absent without excuse from class as many hours as the class meets in one week, his teacher-counselor will be notified and efforts will be made to seek a solution to the problem.
4. Neglect in attendance of classes in general may result in the student's being placed on warning.
5. After being placed on warning for absenteeism, other absences will automatically place the student on probation, or he may be asked to withdraw from the college, or be recommended for dismissal, as the case may warrant.

PHYSICAL EDUCATION

State law requires that every physically able student regularly attend a physical education class each semester of attendance.

Exemptions from this requirement may be granted for the following reasons only:

- (1) Physical disability
- (2) Age, twenty-five years or over
- (3) Postgraduate standing or completion of requirements for graduation
- (4) Enrollment in 8 or fewer units
- (5) Completion of basic or recruit training in any of the Armed Forces of the United States. (5 Cal. Adm. Code 99b)

Exemption on grounds of physical disability will be granted only upon evidence of a statement from a physician. Those applying for exemption for reasons other than physical disability must present suitable evidence at the time of their registration.

RESIDENCE REQUIREMENTS

The residence of a student who is under twenty-one years of age is that of his father and/or his mother if father is not living; or, if neither is living, of his guardian.

Residents of any part of the State not included in another junior college district who meet entrance requirements will be admitted upon filing the credentials described under Admission Requirements. Applicants from another California district maintaining a junior college cannot be admitted unless they have been granted an inter-district agreement.

**SCHOLARSHIP HONORS
Alpha Gamma Sigma**

Temporary membership in Alpha Gamma Sigma, California Junior College Honor Society, is awarded at the close of each semester to not more than ten per cent of the enrolled students who meet the following qualifications:

1. Completion of no fewer than 12 units of work, exclusive of physical education.
2. A grade-point average of 3.0 in all subjects undertaken exclusive of physical education.
3. No grade lower than a "C", including physical education.
4. Recommendation of the faculty.

Permanent membership is awarded to not more than ten percent of the graduating students who must meet the following qualifications to be eligible for consideration:

1. Temporary membership in Alpha Gamma Sigma any three out of four, or four out of five, semesters of attendance.
2. A grade point average of 3.3 or higher.
3. Recommendation of the faculty.

The final selection to permanent membership is made by a faculty committee that considers the eligible students from the standpoint of three qualities: character as shown by conduct and general behavior, service as shown by loyalty and service to the school, and leadership as shown by activity in student body affairs.

One man and one woman from the graduating class may be named to the **State Honor Roll of Alpha Gamma Sigma**. These students must have a grade point average of at least 3.5 and must be recommended by the faculty for his high honor.

GRADUATION HONORS

"Honorable Mention" is granted to those graduates who achieve a grade-point ratio of 3.0 in their college work.

"With Distinction" is accorded those graduates who in the course of their entire college work have achieved a grade-point ratio of 3.5 or higher.

TRANSCRIPTS

One transcript of credits is furnished free to the student at his first request. Thereafter, a fee of fifty cents is charged for each additional transcript requested.

STUDENT ACTIVITIES

Student affairs are governed by the Associated Students of Imperial Valley College. The Executive Board consists of the president, vice-president, secretary, treasurer, commissioner of athletics, commissioner of public relations, commissioner of social activities, commissioner of halls and grounds, and representatives from the sophomore women, sophomore men, freshmen women, freshmen men, Associated Women Students and Associated Men Students.

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

To be eligible for any school office or any intercollegiate conference, a student must meet the following requirements: for athletics, he must be passing in at least 10 units of work at the time of the extra-curricular activity; for student government positions, he must be passing in at least 12 units of work, and if in college the previous semester he must have completed and passed in at least 10 units of work.

To maintain a balance between curricular and extra-curricular activities, no student is eligible to hold a major leadership office in more than one organization without the approval of the Administration. This makes it possible for the greatest number of students to have the opportunity of actively participating in positions of leadership.

STUDENT NEWSPAPER

"The Mirage" is the college paper. It publishes articles and news items about college activities and affairs.

SCHOOL ANNUAL

"The Painted Desert" is the descriptive title of the college annual. It highlights with pictures and words the year's activities and becomes a memento of the students' college experiences.

COLLEGE BOOKSTORE

The college bookstore is furnished and maintained by the Associated Students. All college textbooks and necessary supplies are available and a snack and coffee bar provide refreshment for the students.

ATHLETICS

The college is a member of the South Central Junior College Conference, consisting of Antelope Valley (Lancaster), Ocean-side-Carlsbad, Palomar (San Marcos), Palo Verde (Blythe), Santa Barbara and Imperial Valley. The conference itself belongs to the California State Junior College Association. Athletic competition is held in football, basketball, track, golf, tennis and baseball. Trophies are awarded to the winning school in each sport.

ATHLETIC ELIGIBILITY

Conference eligibility rules provide that to participate in interscholastic sports, the student

- (1) Must have begun regular attendance not later than one month after the beginning of the semester.
- (2) Must be doing passing work in at least 10 units of work, in addition to physical education (if required), at the time the certified list in which he is a member is issued.
- (3) After the first semester of attendance, must have passed in at least 10 units, in addition to physical education (if required), in his last semester of attendance.
- (4) Must be in good standing, meaning that he must not be on probation.
- (5) Unless a bonafide resident, must be enrolled one year before he is eligible for participation. This requirement applies if the student has attended another junior college in California, or is a graduate of a high school of another district that maintains a junior college.
- (6) Must be a high school graduate, or at least 19 years of age.

These regulations are subject to change by conference officials, and by the California Junior College Association.

GRADUATION REQUIREMENTS

Upon the completion of the following requirements, students at Imperial Valley College will be granted the degree, Associate in Arts. Responsibility for filing a petition for graduation rests with the student. This petition is to be filed with his teacher-counselor at the time of registration for the last semester in attendance before graduation.

I. Unit Requirement

There must be satisfactory completion of at least 60 units of work.

II. Scholarship Requirement

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

III. Residence Requirement

The residence requirement may be met in one of the following ways:

A. Completion of at least the last 15 units at Imperial Valley College,

B. Completion of a minimum of 54 units at Imperial Valley College if not in attendance at the time of qualification for graduation.

IV. Specific Subject Requirements

A. English

This requirement may be satisfied by completion of at least 6 units from one of the following course sequences:

1. English 1A-1B;
2. English 51A-51B;
3. Business 80A-80B;
4. English 1A plus 3 units from English 15, English 56A-56B, Journalism 18, or Speech 1A-1B.

B. Physical Education (2 units)

California State law requires all junior college stu-

dents to take directed physical education activities each semester until four separate semesters of credit are earned. Exemption from this requirement may be granted for the following reasons:

1. The student is twenty-five years of age or older,
2. The student is carrying eight or fewer units,
3. The student has a disability and presents a physician's statement of the disability and a modified program of physical education is not available.

Note: A student who has completed a basic training program in any of the Armed Forces of the United States may verify this fact for his teacher-counselor and may file a petition requesting that credit be given for Physical Education 1A, 1B, 1C and 1D, which meet this requirement. (5 Cal. Adm. Code 99b)

C. Hygiene and Health Education, including First Aid and Safety Education (2 units)

This requirement may be met by completion of Physical Education 21.

Note: A student who has completed a basic training program in any of the Armed Forces of the United States may verify this training for his teacher-counselor and file a petition with him requesting that credit be given for Physical Education 21. (5 Cal. Adm. Code 99b)

D. Constitution of the United States, American History, and State and Local Government

This requirement may be met by completion of one of the following course sequences:

1. History 17A-17B which has been designed to meet all California Education Code requirement in American history, the Constitution, and principles of state and local government.
2. History 3 plus History 17B

E. Psychology 9A, 9B, 9C, 9D

Note: This requirement of all four courses applies only to students who enter Imperial Valley College beginning with the fall semester of 1960 and to those

who take 8 units or more of work in any one semester.

V. Major Requirement

This requirement may be satisfied by the completion of 20 units in a field of major interest chosen from the following list:

- A. BIOLOGICAL SCIENCE (anatomy, biology, psychology 1B, physiology, zoology)
- B. BUSINESS
- C. ENGLISH (English, journalism, speech)
- D. HUMANITIES (humanities, art, music, literature, philosophy)
- E. LANGUAGES (English, French, Spanish)
- F. MATHEMATICS (mathematics, engineering, physics)
- G. PHYSICAL SCIENCE (physical science, chemistry, geography, geology, physics)
- H. SOCIAL SCIENCE (anthropology, economics, education, geography, history, psychology, sociology)
- I. VOCATIONAL (Completion of a Vocational Work-study Program in a specific field combined with a program of related courses approved by the Administration)
- J. LETTERS AND SCIENCE (Completion of lower division requirements in a selected field as required for upper division standing at a specific university or college)

VI. Minor Requirement

This requirement may be met in one of the following ways:

- A. Completion of 9 units in one of the fields of study (other than the major) listed above under V, or
- B. Completion of the lower division requirements of the college or university to which the student wishes to transfer.

REQUIREMENTS FOR STUDENTS PLANNING TO TRANSFER TO A FOUR-YEAR INSTITUTION

Two principal kinds of requirements must be met in order to attain full junior standing at San Diego State College, the University of California at Los Angeles or other institution 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 his Imperial Valley College work so that these requirements will be met.

All California State Colleges require a minimum of 45 units of credit in **general education** for graduation at the end of four years. These are in addition to the units earned in major and minor fields. Many of these units may be earned while the student is in attendance at Imperial Valley College.

The following summary from the California Administrative Code for the requirements for the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Education degrees granted by state colleges may be of help to students as they plan their junior college courses of study (5 Cal. Adm. Code 919, 920, 921):

Required Curriculum. Each student of a state college to qualify for graduation shall complete a pattern of courses defined by each college to include the following:

- (a) General Education, minimum—45 units.
The courses in General Education shall be distributed in the following manner:

- (1) Social Sciences 9

The social sciences shall include required instruction in U.S. history, Constitution and American ideals and courses in the fields of anthropology, economics, geography, history, political science, sociology, and similar fields.

Courses must be selected from two or more of these fields.

- | | |
|---|----|
| (2) Natural Science | 9 |
| Natural sciences shall include the fields of astronomy, botany, chemistry, geology, physics, physiology, zoology, and similar fields. At least one course must be selected from a physical science and one from a life science. | |
| (3) Literature, Philosophy or the Arts | 6 |
| (Fine and practical arts not to exceed 3 of the 6 units) | |
| (4) Health and Physical Education | 2 |
| (5) Oral and Written Expression | 3 |
| (6) Psychology | 2 |
| (7) Additional units in General Education to be determined by each college | 14 |

The above requirements are the minimum requirements in the field of **general education**. Each college may have, in addition, its own general requirements for graduation. These are in addition to the major and minor requirements in the student's chosen field.

For example, San Diego State College lists the following general academic requirements in addition to or interpreting those listed above.

Specific Course Requirement

1. Oral communication—2 units
2. Written communication—3 units
3. At least one unit in a laboratory science
4. Physical Education—2 units in activity, 2 units in health
5. Psychology—6 units

General Requirements

1. Successful completion of competency tests in English, mathematics, and speech
2. A minimum of 124 units for the A.B. degree or 128 to 132 units for the B.S. degree (depending on the major subject)
3. At least 40 upper division units for the A.B. and at least 36 upper division units for the B.S. degree
4. Grade point average of at least C

In State Colleges, a maximum of 70 semester units earned in a junior college may be applied toward the degree, with the exception that no upper division credit may be allowed for courses taken in junior college and no credit may be allowed for professional courses in education taken in a junior college. (5 Cal. Adm. Code 917.) Many other colleges and universities also allow credit for 70 units of lower division work completed at a junior college.

If a student expects to transfer to a four-year college, it is of the utmost importance that he obtain the catalog of the college he expects to attend and that he plan a long range program with the assistance of his teacher-counselor. This will be of great benefit in avoiding loss of time by the inclusion of courses that will not meet the requirements of his selected college.

SUGGESTED CURRICULA

The following majors represent some of the areas of study that may be selected by students who enroll in the Imperial Valley College. Any person who wishes to pursue a curriculum not listed, or who has a particular objective in mind that is not met by a listed curriculum, should consult the head counselor.

It is important that each student make a long-range plan for his college study, in conference with his teacher-counselor, so that all requirements for the Associate in Arts degree can be met, and so, if the student expects to transfer to a four-year college, he will have completed all of the prerequisites for the course of study that he expects to pursue.

Although the teacher-counselor will give every assistance possible, it is the responsibility of the **student** to check and recheck all phases of his program and his course of study.

Transfer Curricula

The Transfer Curricula have been planned to meet the requirements for the Associate in Arts degree and at the same time fulfill the lower division requirements of the field of study that the student expects to pursue in a four-year institution. They have been designed to follow the requirements of San Diego State College or the University of California at Los Angeles. As requirements vary at different colleges and universities, it is of great importance that each student who expects to continue his education after leaving Imperial Valley College obtain the bulletin of the institution he expects to attend, and that he make, in consultation with his teacher-counselor, the necessary adjustments in the suggested curricula of his choice.

Transfer Curricula Majors

Business Administration

Accounting
 Banking and Finance
 Business Education
 Business Management
 Industrial Management
 Insurance
 Management and Administration
 Personnel Management
 Real Estate

Education

Elementary
 Kindergarten-Primary
 Secondary

English

French

Geography

Latin American Studies

Letters and Science

Business Administration
 Economics
 English
 French
 History
 Psychology

Philosophy

Physics

Pre-professional

Psychology

Social Science

Sociology

Spanish

Semiprofessional Curricula

The Semiprofessional Curricula have been designed to meet all of the requirements for the Associate in Arts degree, and at the same time prepare the student for employment and/or enrichment of his cultural background.

Semiprofessional Majors

Vocational

Bookkeeping
 Merchandising
 Secretarial
 Vocational Work-Study Education

Liberal Arts

Biological Science
 Business
 English
 Humanities
 Languages
 Mathematics
 Physical Science
 Social Science

SAMPLE CURRICULA

The following courses of study have been designed to assist the student in planning his program.

All the California State requirements for graduation from a junior college; the requirements for the Associate in Arts degree from Imperial Valley College; and, if applicable and as far as possible, the lower division requirements for majors and minors at San Diego State College or the University of California at Los Angeles have been included in the following sample curricula.

If necessary, the student may schedule classes during other semesters than those suggested. It is important, however, that he check prerequisites and be sure that all classes will be offered in the semester he wishes to take them. In general, year courses should be started in the fall semester.

With proper planning the individual needs of every student can be met with no loss of time or units.

BOOKKEEPING

Prepares for employment at the end of Sophomore Year.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Bus	80A	Business English	3	
Bus	80B	Business Correspondence ..		3
Bus	71	Elementary Typing	3	
Bus	72	Advanced Typing		3
Bus	67AB	Bookkeeping	3	3
Bus	16	Introduction to Business	2	
P.E.	21	Health		2
Bus	61	Business Mathematics	2	
Bus	17	Business Management		2
		¹ Elective	2- 3	2- 3
			16-17	16-17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Bus	73	Machine Calculation		3
Bus	30AB	Business Law	3	3
Bus	51	Income Tax	2	
Bus	1AB	Accounting	3	3
Hist	17AB	United States History	3	3
		² Selected Social Science Course	3	
		¹ Elective	0- 2	2- 3
			15-17	15-16

¹—Suggested electives: Speech 1AB, Vocabulary Building, Economics, Shorthand, Music, Art, Literature

²—Anthropology, Economics, Geography, History, Psychology, or Sociology.

BUSINESS ADMINISTRATION

Prepares for the junior year at San Diego State College.¹

The following course meets the lower division requirements at San Diego State in Business Administration in the fields of ACCOUNTING, INSURANCE, REAL ESTATE, BANKING AND FINANCE, BUSINESS MANAGEMENT, and PERSONNEL MANAGEMENT.²

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Bus	1AB	Elementary Accounting	3	3
Bus	30AB	Business Law	3	3
Eng	1A	Composition	3	
Bus	2	Mathematics of Finance		3
		³ Selected Science Course	3	3
Econ	1AB	Principles of Economics	3	3
			16	16

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Hist	17AB	History of the United States	3	3
Psych	1AB	General Psychology	3	3
Speech	1A	Speech		2
P.E.	21	Health		2
		⁴ Selected Course in Literature, Music, Art, or Philosophy	3	3
Bus	80A	Business English	3	
Bus	80B	Business Correspondence ..		3
		³ Selected Science Course	3	
			16	17

¹—See page 45 for Business Administration Curricula which prepares for junior year at University of California at Los Angeles.

²—A major in Business Administration in the field of INDUSTRIAL MANAGEMENT, requires Engineering Drawing (3) and Mathematical Analysis (6) in addition to the courses listed. These may be taken in the junior year.

³—A total of at least 9 units of Science (including one physical and one biological science, and at least one unit of laboratory work) should be scheduled.

⁴—Six units are required in the field of the Arts, at least three of which must be in Literature or Philosophy.

BUSINESS EDUCATION

Leads to the junior year at San Diego State College and to either the Special Secondary Teaching Credential or the General Secondary Teaching Credential.

Freshman				
Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	1/2	1/2
P.E.	1	Physical Education Activity	1/2	1/2
Eng	1A	Composition	3	
Eng		Selected Course in Literature		3
Bus	1AB	Principles of Accounting	3	3
Bus	30AB	Business Law	3	3
Bus	72	¹ Advanced Typing	3	
Bus		² Selected Science Course	3	3
Bus	73	Machine Calculation		3
			16	16

Sophomore				
Dept.	Course	Subject	Sem. I	II
Psych	9CD	Guidance Workshop	1/2	1/2
P.E.	1	Physical Education Activity	1/2	1/2
Speech	1A	Elementary Speech	2	
P.E.	21	Health		2
		² Selected Science Course	3	
		Selected Literature, Music, Art, Philosophy		3
Bus	80B	Business Correspondence ..		3
Econ	1AB	Principles of Economics	3	3
Hist	17AB	History of the United States ..	3	3
Psych	1AB	General Psychology	3	3
		³ Selected Course	3	
			18	18

¹—Advanced Typing or its equivalent is required.
²—A total of at least 9 units of Science (including one physical and one biological science, at at least one unit of laboratory work) should be scheduled.
³—A Business Education major must select two subfields from the following list, of which **Accounting** or **Secretarial** must be one, and take the required courses listed:

- Accounting**—Business 2, Mathematics of Finance (3)
- Secretarial**—Business 75AB, Shorthand (3-3)
- Business Management**—Business 2, Mathematics of Finance (3)
- Merchandising**—Business 50, Salesmanship (3)

Additional suggested electives include any course in the field of Business, Speech 1B, Vocabulary Building.

EDUCATION

General Elementary and Kindergarten - Primary

Prepares for the junior year at San Diego State College.

Freshman				
Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	1/2	1/2
P.E.	1	Individual Activities	1/2	1/2
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature ..		3
Hist	17AB	History of the United States ..	3	3
Art	9	Design for Teachers	3	
Art	10	Crafts in the Elementary School		3
Geog	1, 2	Physical and Historical Geography ..	3	3
P.E.	21	Health		2
Ed	10	Introduction to Education ..	2	
		¹ Electives	0- 2	0- 2
			15-17	15-17

Sophomore				
Dept.	Course	Subject	Sem. I	II
Psych	9CD	Guidance Workshop	1/2	1/2
P.E.	1	Individual Activities	1/2	1/2
Music	7A	Music Fundamentals	3	
Music	7B	Music Material for Elementary School		3
P.E.	53	Physical Education in the Elementary School	3	
Psych	1AB	General Psychology	3	3
Biol	3	² Biological Science	3	
Phy Sci	5	² Introduction to Physical Science		3
Music	10AB	³ Piano	1	1
Speech	1A	Speech		2
		¹ Electives	2- 3	2- 4
			16-17	15-17

¹—Electives should be chosen that will partially fulfill the requirements of the teaching minor. As many as 9 units of lower division work can be counted in one of the following fields offered at Imperial Valley College: **English** (must include American Literature), **Foreign Language** (minors in French, Spanish or Romance Languages), or **Social Studies** (includes Anthropology, Economics, History or Sociology).

²—A total of 9 units, including one unit of laboratory work, is required in the field of natural science. Biology 3 and Physical Science 5 are highly recommended and have been included in the suggested course; however, any of the following may be substituted: Chemistry, Geology, Physics, Physiology or Zoology.

³—Music 10AB (or equivalent) is required for the Kindergarten-Primary Credential but not for the Elementary Credential.

EDUCATION

General Elementary and Kindergarten - Primary

Prepares for the junior year at the University of California at Los Angeles.

This course presupposes that the student has completed the basic academic core of college preparatory subjects in high school as listed on page 15. If deficiencies exist, these may be removed by taking elective courses that will meet the requirements.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature ..		3
Geog	1, 2	Physical and Cultural Geography	3	3
		¹ Physical Science	3- 4	3- 4
Art	9	Art Design	3	
Art	9	Crafts in the Elementary Schools		3
Music	7A	Music Fundamentals	3	
Music	7B	Music Materials for Classroom Teachers		3
			16-17	16-17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Psych	1AB	General Psychology	3	3
		² Biological Science	3- 4	3- 4
		Music 3AB or Philosophy 1AB	3	3
P.E.	53	Elementary School P.E. Activities		3
P.E.	21	Health	2	
Hist	17AB	United States History	3	3
		Elective	2	
			17-18	16-17

¹—Chosen from Chemistry 1A; Geography 1A; Geology 2; Mathematics C, 1; Physics 1AB.

²—Chosen from Anthropology 1; Psychology 1B; Zoology 1AB.

NOTE—Students working toward the Kindergarten-Primary Credential should enroll in Music 10AB (1-1) if they do not play the piano.

Students working toward the Elementary Credential must plan to take Mathematics 38 (Fundamentals of Arithmetic) in their junior year.

EDUCATION

Secondary

A student who wishes to prepare for the field of teaching at the secondary level should choose a **teaching major** and a **teaching minor**.

If he expects to attend San Diego State College, he should follow the curriculum of the major field at Imperial Valley College and should include, as electives, the prerequisite courses for upper division work in the minor field.

Teaching Majors

Imperial Valley College offers work that will fulfill the lower division prerequisites for San Diego State College for the following teaching majors:

Business Education	Romance Languages
English	Social Science
French	Spanish
Psychology	

Teaching Minors

Following is a list of courses offered at Imperial Valley College that will meet the prerequisites of San Diego State College for teaching minors:

Business Education: Business 1A-1B, Business 72 or equivalent.

Economics: Economics 1A-1B and either Geography 1, 2; Sociology 1A-1B; or Anthropology 1, 2.

English: English 1A-1B, English 30A-30B.

French: French 1, 2, 3, 4 (or equivalent) 5, 6.

History: History 4A-4B, 8A-8B and six units from Anthropology, Economics, Geography 2, Sociology.

Social Science: Three of the following—Anthropology 1, 2; Economics 1A-1B; Geography 1, 2; History 4A-4B or 8A-8B.

If the student expects to attend the University of California at Los Angeles, he should follow the Letters and Science curriculum at Imperial Valley College and should be sure to include the following: Science and/or Mathematics, 6 units; Practical and/or Fine Arts, 6 units; Social Science, 6 units; Communicative Arts (including English 1A), 6 units; Psychology 1A-1B, 6 units; all prerequisites for upper division work in the teaching major field; and as many prerequisites as possible for upper division work in the teaching minor field.

Teaching majors and teaching minors do not necessarily parallel the majors and minors required for the bachelors degrees. The student should consult the catalogs of the schools he wishes to attend in his junior, senior and post graduate years to be sure that all prerequisites are met.

ENGLISH

Prepares for the junior year at San Diego State College.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature ..		3
		¹ Selected Social Science Course	3	
Hist	17AB	United States History	3	3
		² Foreign Language	0- 4	0- 4
		³ Elective	0- 4	0- 4
		⁴ Selected Science	3- 4	3- 4
P.E.	21	Health		2
Not to Exceed			17	18

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng	30AB	American Literature	3	3
		⁴ Selected Science	3	
Psych	1AB	General Psychology	3	3
Eng	56AB	Survey of English Literature	3	3
Speech	1A	Speech		2
		² Foreign Language	0- 4	0- 4
		³ Elective	0- 4	1- 5
Not to Exceed			17	18

¹—The Social Science may be selected from History, Sociology, Anthropology, Geography or Economics.

²—The major in English at San Diego State College requires 12 units (or equivalent) of a foreign language and French or German is strongly recommended. Note: Not all colleges have the language requirement for English majors in undergraduate work, but most require at least one language for graduate degrees.

³—Suggested electives: Speech 1B, Art, Music, History 4AB, English 15.

⁴—A total of at least 9 units of Science (including one physical and one biological science, and at least one unit of laboratory work) should be scheduled.

FRENCH

Prepares for the junior year at San Diego State College.¹

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
French		² French	4	4
Spanish		² Spanish	4	4
Hist	17AB	History of the United States	3	3
		³ Selected Science Course ..	3	3
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature ...		3
			18	18

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
French		² French	4	4
Psych	1AB	General Psychology	3	3
Hist	4AB	History of Western Civilization	3	3
		³ Selected Science Course ...	3- 4	
		Selected Literature, Music, Art or Philosophy		3
Speech	1A	Speech	2	
P.E.	21	Health		2
			16-17	16

¹—French 6 must be completed at San Diego State College as a prerequisite for upper division courses. These alternatives are suggested to students who wish to transfer to this college, or to others that may have the same requirement: take French 6 in summer session or defer the requirement to the first semester of the junior year.

²—The major in French requires French 1, 2, 3, 4, (or equivalent) and 5, 6 and a choice of German 1, 2; Spanish 1, 2; or Latin 1, 2 (or equivalent). Classes should be scheduled according to individual needs.

³—A total of 9 units of Science (including at least one physical and one biological science, and at least one unit of laboratory) is required.

GEOGRAPHY

Prepares for the junior year at San Diego State College.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Geog	1, 2	Physical and Cultural Geography	3	3
		¹ Foreign Language	0- 4	0- 4
		² Elective	0- 5	0- 5
Hist	17AB	History of the United States	3	3
Eng	1A	Composition	3	
		³ Selected Biological Science		3
Speech	1A	Speech	2	
P.E.	21	Health		2
			<u>16-17</u>	<u>16-17</u>

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
		¹ Foreign Language	0- 4	0- 4
		² Electives	0- 4	0- 4
		Selected Music, Literature, Art, Philosophy	3	3
Psych	1AB	General Psychology	3	3
		Elective	2- 3	2- 3
			<u>16-17</u>	<u>16-17</u>

¹—A reading knowledge of French, Spanish or German is recommended for the Geography major.

²—Suggested electives: Sociology, Anthropology, History, Speech 1B, Vocabulary Building.

³—A Biological Science may be selected from Anatomy, Biology, or Zoology.

LATIN AMERICAN STUDIES

Prepares for the junior year at San Diego State College.

To receive the AB degree in Latin American Studies from San Diego State College a student must have a reading and speaking knowledge of Spanish or Portuguese.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Hist	17AB	United States History	3	3
P.E.	21	Health	2	
Speech	1A	Speech		2
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature ..		3
		¹ Selected Science	3- 4	3- 4
		² Selected Prerequisite Course	3	3
		Elective	0- 2	0- 2
			<u>15-17</u>	<u>15-17</u>

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
		² Selected Prerequisite Course	3	3
		² Selected Prerequisite Course	3	3
Span	3-4	³ Intermediate Spanish or Elective	4	4
		¹ Selected Science	3	
Psych	1AB	General Psychology	3	3
		Selected Music, Art, Philosophy		3
			<u>17</u>	<u>17</u>

¹—A total of 9 units of Science (including one physical and one biological science, and at least one unit of laboratory work) should be scheduled.

²—Three 6 unit courses from Anthropology 1, 2; Economics 1AB, Geography 1, 2; History 8AB are prerequisites for the major in Latin American Studies.

³—The scheduling of Spanish courses should meet the individual needs of the student. A reading and speaking knowledge of Spanish or Portuguese is required.

LETTERS AND SCIENCE

Prepares for the junior year at University of California at Los Angeles.

This course presupposes that the student has completed the basic academic core of college preparatory subjects in high school as listed on page 15. If deficiencies exist, these may be removed by taking elective courses that will meet the requirements.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	1/2	1/2
P.E.	1	Physical Education Activity	1/2	1/2
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature ...		3
		¹ Physical Science	3- 4	3- 4
Hist	17AB	History of the United States	3	3
		² English 30AB, Philosophy 1AB, or Music 3AB	3	3
		³ Prerequisites for minor and/or major, or Elective	3- 4	0- 3
P.E.	21	Health		2
			16-17	15-18

Sophomore

Psych	9CD	Guidance Workshop	1/2	1/2
P.E.	1	Physical Education Activity	1/2	1/2
		⁴ Foreign Language or Elective	0- 4	0- 4
		⁵ Social Science	3	3
		⁶ Biological Science	3- 4	3- 4
		² English 30AB, Philosophy 1AB or Music 3AB	3	3
		³ Prerequisites for major and/or minor, or Elective	3- 6	3- 6
			15-18	15-18

¹—A total of at least 5 units in Physical Science is required. Choice may be made from Chemistry 1AB; Geography 1; Geology 1, 2; Physics 2AB; or one course from Math C, 1, or 3A.

²—Two courses chosen from English 30AB, Philosophy 1AB, or Music 30AB will meet the requirement in Humanities.

³—Courses should be chosen that will meet all lower division requirements for the minor and/or major field of the student's choice. These courses, together with the recommended electives, are listed below.

⁴—The Foreign Language requirement of 16 units in not more than two languages may be met in part by high school language: 4 units of credit for 1st and 2nd year, 4 units each for 3rd and 4th year. A full college year is required if beginning a language.

⁵—A total of at least 6 units, including two subjects exclusive of history, is required in Social Science. Choice may be made from Anthropology 1B, Economics 1A, Geography 2, Psychology 1A, or Sociology 1A.

⁶—A total of at least 5 units in Biological Science is required. Choice may be made from Anthropology 1A, Psychology 1B, or Zoology 1A, 1B.

MAJOR FIELDS IN LETTERS AND SCIENCE

Imperial Valley College offers courses that will meet the lower division requirements in the following majors at the University of California at Los Angeles: Business Administration, Economics, English, French, History, Psychology, and Spanish.

Prerequisites and recommended lower division courses are as follows:

BUSINESS ADMINISTRATION—Required: Business 1AB, Economics 1AB, and Mathematics 3AB.

Students who wish to major in this field must transfer to the School of Business Administration at U.C.L.A. at the beginning of their junior year. The aim of the School of Business Administration is to provide for qualified students a well-balanced education for careers in business at the MANAGEMENT AND ADMINISTRATIVE LEVELS. The general and specific requirements of the School are designed to furnish a broad preparation for careers of management rather than a highly specialized proficiency in a particular occupation. Entrance requirements to this school are met by the Letters and Science curriculum with the inclusion of the courses listed above.

ECONOMICS—Required: Economics 1AB
Recommended: Business 1AB.

ENGLISH—Required: English 1AB and 56AB.
Recommended: Additional courses in foreign language.

FRENCH—Required: French 1, 2, 3, 4 (or equivalent).

HISTORY—Required: History 4AB and 8AB and minor prerequisites in Anthropology (1, 2), Economics (1AB), Geography (1,2), Philosophy (1AB) or Sociology (1AB).

PSYCHOLOGY—Required: Psychology 1AB.

Recommended: Courses from the following fields according to the student's interest: physics, chemistry, zoology, physiology, anthropology, sociology, economics, history, mathematics, philosophy, language, humanities.

Recommended for students expecting to do graduate study: At least 18 units from anthropology or sociology, chemistry, physics, college algebra, zoology, physiology, or foreign language.

SPANISH—Required: (1) Spanish 1, 2, 3, 4; 42 (Spanish Civilization), 44 (Latin American Civilization), or the equivalent, to be tested by examination. (2) English 1AB. (3) A minimum of two years of a second foreign language in high school, or two semesters at the college level, or English 30AB, or History 8AB.

LIBERAL ARTS

The Liberal Arts Curriculum is designed for those who desire to continue their general education for two years beyond high school and who wish to increase the scope of their knowledge without necessarily preparing for a specific occupation.

Freshman				
Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng		¹ English Sequence	3	3
		² Courses in Selected		
		Major Field	5- 6	5- 6
		³ Courses in Selected		
		Minor Field	3	3
P.E.	21	Health	2	
		Elective	1- 3	3- 5
			15-17	15-17

Sophomore				
Dept.	Course	Subject	Sem. I	II
Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Hist	17AB	United States History	3	3
		² Courses in Selected		
		Major Field	5- 6	5- 6
		³ Courses in Selected		
		Minor Field	3	3
		Electives	2- 5	3- 8
			15-17	15-17

¹—English sequence may be chosen from the following courses: English 1AB; or English 51AB; or English 1A plus 3-4 units from English 15, English 56AB, Journalism 18AB; or Speech 1AB.

²—The student should select one of the following majors. (A major consists of 20 or more units of work in related subjects.)

Biological Science (Anatomy, Biology, Psychology 1B, Physiology, Zoology)

Business

English (English, Journalism, Speech)

Humanities (Humanities, Art, Music, Literature, Philosophy)

Languages (English, French, Spanish)

Mathematics (Mathematics, Engineering, Physics)

Physical Science (Physical Science, Chemistry, Geography, Geology, Physics)

Social Science (Anthropology, Economics, Education, Geography, History, Psychology, Sociology)

³—The student should select a minor from the above list. (A minor consists of 9 or more units of work in related subjects.)

MERCHANDISING

Prepares for employment at the end of the Sophomore year.

Freshman				
Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Bus	80A	Business English	3	
Bus	80A	Business Correspondence ..		3
Bus	30AB	Business Law	3	3
Bus	71 or 72	Typing		3
Bus	16	Introduction to Business	2	
Bus	17	Business Management		2
Hist	17AB	History of the United States ..	3	3
Bus	50	Salesmanship	3	
P.E.	21	Health	2	
Psych	50	Survey of Psychology		2
			17	17

Sophomore				
Dept.	Course	Subject	Sem. I	II
Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Econ	1AB	Principles of Economics	3	3
Bus	61	Business Mathematics	2	
Geog	1, 2	Physical and Cultural		
		Geography	3	3
Bus	67AB	Bookkeeping	3	3
Bus	73	Machine Calculation	3	
Speech	1A	Speech		2
		Elective		3- 4
			15	15-16

PHILOSOPHY

Prepares for the junior year at San Diego State College.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng	1A	Composition	3	
		¹ Selected Social Science		3
		² Foreign Language	0- 4	0- 4
		³ Elective	0- 4	0- 4
		⁴ Selected Science	3- 4	3- 4
Hist	17AB	United States History	3	3
Speech	1A	Speech	2	
P.E.	21	Health		2
			<hr/>	<hr/>
			16-17	16-17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Phil	1AB	Introduction to Philosophy ..	3	3
Psych	1AB	General Psychology	3	3
		⁴ Selected Science	3	
Eng	1B	Introduction to Literature		3
		² Foreign Language	0- 4	0- 4
		³ Elective	0- 7	0- 7
			<hr/>	<hr/>
			15-17	15-17

NOTE: Philosophy 20, Logic, to be taken in the junior year.

- ¹—Social Science may be selected from History, Sociology, Anthropology, Geography or Economics courses.
- ²—The major in Philosophy at San Diego State College requires 12 units (or equivalent) of a foreign language. French or German is strongly recommended.
- ³—Suggested electives: Speech 1B, Art, Music, Literature, Vocabulary Building.
- ⁴—A total of at least 9 units of Science (including one physical and one biological science, and at least one unit of laboratory work) should be scheduled.

PHYSICS

Prepares for the sophomore year at San Diego State College.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature		3
French		¹ Selected French Course	0- 4	0- 4
		² Elective	0- 4	0- 4
Physics	2AB	General Physics	4	4
Math	3AB	³ Analytic Geometry and Calculus	3	3
Speech	1A	Speech	2	
P.E.	21	Health		2
			<hr/>	<hr/>
			16-17	16-17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Hist	17AB	United States History	3	3
Chem	1AB	General Inorganic Chemistry	4	4
		⁴ Selected Social Science	3	
		⁵ Selected Biological Science		3
Psych	1AB	General Psychology	3	3
		⁶ Art, Music, Literature or Philosophy	1½-2	1½-2
			<hr/>	<hr/>
			16½-17	16½-17

- ¹—A reading knowledge of French or German is highly recommended in the prerequisites listed for upper division work leading to the AB degree with the major in Physics. It is not listed in the recommended courses for the BS degree.
- ²—If French is not included in the student's course, it is suggested that the Science or History courses listed in the sophomore program be taken during the freshman year so that an additional mathematics course can be completed in the sophomore year.
- ³—Prerequisites should be checked and a substitution of course made if necessary. Mathematics 3AB, 51, and 52 (Differential and Integral Calculus) are required courses. The latter may be taken in the junior year if necessary. The AB degree requires a minor (12 units) in mathematics.
- ⁴—Social Science to be chosen from Anthropology, Economics, Geography, History or Sociology.
- ⁵—Biological Science to be chosen from Anatomy, Biology, Physiology, or Zoology.
- ⁶—Three units are needed to complete the fine arts requirements.

PRE-PROFESSIONAL CURRICULA

It is possible for a student to complete, in addition to the professional curricula listed, one to two years of the PRE-CHIROPRACTIC, PRE-DENTAL, PRE-LEGAL, PRE-LIBRARIAN, PRE-MEDICINE, PRE-OPTOMETRY, PRE-SOCIAL WELFARE, PRE-VETERINARY, or other pre-professional courses at Imperial Valley College. Students who are interested in these professions should consult the teacher-counselor and plan with him a specific course of study that will meet the requirements of the school in which the student wishes to take his professional training.

PSYCHOLOGY

Prepares for the junior year at San Diego State College.¹

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature		3
Hist	17AB	United States History	3	3
P.E.	21	Health		2
Physiol	1	Physiology		4
Psych	1AB	General Psychology	3	3
Biol	3	² Biological Science	3	
		Selected Music, Art, or Literature	3	
			16	16

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Zoo	1AB	² General Zoology	4	4
		² Anthropology or Sociology	3	3
Phil	1AB	² Introduction to Philosophy..	3	3
Anat	21	Human Anatomy	3	
Speech	1A	Speech		2
		³ Elective	2-3	3-4
			16-17	16-17

¹—Psychology 6 to be completed in sophomore year.

²—Courses that are highly recommended by San Diego State College in preparation for the major in Psychology.

³—Suggested electives: Speech 1B, Music, Art, Chemistry, Physics, Vocabulary Building.

SECRETARIAL

Prepares for employment at the end of the Sophomore year.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Bus	80A	Business English	3	
Bus	80B	Business Correspondence ..		3
Bus	71	Elementary Typing	3	
Bus	72	Advanced Typing		3
Bus	75AB	Shorthand	3	3
Bus	67AB	Bookkeeping	3	3
Bus	16	Introduction to Business	2	
Bus	17	Business Management		2
Bus	61	Business Mathematics	2	
		¹ Elective		2
			17	17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Bus	30AB	Business Law	3	3
Bus	76	Advanced Shorthand	3	
P.E.	21	Health		2
Hist	17AB	United States History	3	3
Speech	1AB	Speech	2	2
		² Selected Social Science Course	3	
		¹ Electives	0-2	4-6
			15-17	15-17

¹—Suggested Electives: Vocabulary Building, Music, Art, Income Tax, Investments, completion of year course in Social Science selected under ².

²—Anthropology, Economics, Geography, History, Psychology, or Sociology.

SOCIAL SCIENCE

Prepares for the junior year at San Diego State College.

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Hist	17AB	United States History	3	3
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature		3
P.E.	21	Health	2	
Speech	1A	Speech		2
		¹ Selected Social Science	3	3
		² Selected Science	3- 4	3- 4
		³ Electives	0- 2	0- 2
			15-17	15-17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Psych	1AB	General Psychology	3	3
		¹ Selected Social Science	3	3
		Selected Music, Art, Literature or Philosophy		3
		² Selected Science	3- 4	
		³ Electives	5- 6	5- 7
			15-17	15-17

¹—The Social Science major requires three 6 unit courses chosen from Anthropology, Economics, Geography, History, Political Science or Sociology.

²—A total of at least 9 units of Science (including one physical and one biological science, and at least one unit of laboratory work) should be scheduled.

³—Suggested electives: History, an additional Social Science listed under ¹, Speech, Literature, Foreign Language, Vocabulary Building.

SOCIOLOGY

Prepares for the junior year at San Diego State College.¹

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature		3
Socio	1AB	Principles of Sociology	3	3
Hist	17AB	United States History	3	3
		² Selected Biological Science	3- 4	3- 4
		³ Elective in Minor Field	3	3
			16-17	16-17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Psych	1AB	General Psychology	3	3
Anthro	1AB	Physical and Cultural Anthropology	3	3
Geog	1, 2	Physical and Historical Geography	3	3
Speech	1A	Speech	2	
P.E.	21	Health		2
		Selected Music, Art, Literature, or Philosophy	3	
		³ Elective in Minor Field	0- 2	3- 5
			17	15-17

¹—Sociology 10 (Contemporary World Problems) to be taken in the junior year.

²—A laboratory course chosen from Anatomy 21, Biological Science 3, Physiology 1, or Zoology 1A.

³—A minor if required of students majoring in Sociology. Prerequisites should be scheduled in the freshman and sophomore years.

SPANISH

Prepares for the junior year at San Diego State College.¹

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Spanish		² Spanish	4	4
French		² French	4	4
Hist	17AB	History of the United States	3	3
		³ Selected Science Course	3	3
Eng	1A	Composition	3	
Eng	1B	Introduction to Literature		3
			18	18

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Spanish		² Spanish	4	4
Psych	1AB	General Psychology	3	3
Hist	4AB	History of Western Civilization	3	3
		³ Selected Science Course	3- 4	
		Selected Literature, Music, Art, or Philosophy		3
Speech	1A	Speech	2	
P.E.	21	Health		2
			16-17	16

¹—Spanish 6 must be completed at San Diego State College as a pre-requisite for upper division courses. These alternatives are suggested to students who wish to transfer to this college, or to others that may have the same requirement: take Spanish 6 in summer session or defer the requirement to the first semester of the junior year.

²—The major in Spanish requires Spanish 1, 2, 3, 4, (or equivalent) and 5, 6 and a choice of German 1, 2; French 1, 2; or Latin 1, 2 (or equivalent). Classes should be scheduled according to individual needs.

³—A total of 9 units of Science (including at least one physical and one biological science, and at least one unit of laboratory) is required.

VOCATIONAL WORK STUDY

Freshman

Dept.	Course	Subject	Sem. I	II
Psych	9AB	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Eng		¹ English Sequence	3	3
P.E.	21	Health	2	
		² Selected Courses	2-10	4-12
		Vocational Work-Study	1- 4	1- 4
			15-17	15-17

Sophomore

Psych	9CD	Guidance Workshop	½	½
P.E.	1	Physical Education Activity	½	½
Hist	17AB	United States History	3	3
		² Selected Courses	4-12	4-12
		Vocational Work-Study	1- 4	1- 4
			15-17	15-17

¹—Six units of English are required for graduation. One of the following sequences may be followed:

1. English 1AB
2. English 51AB
3. Business 80AB

²—Courses are to be selected which are as closely connected as possible with the job situation. The approval of the teacher-counselor is necessary.

COURSES OF INSTRUCTION

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

The session in which the course is given is shown by Roman numerals: **I** for the fall semester, and **II** for the spring semester. A course given throughout the period of September to June is designated **Yr.** A course designated by a double number (for example, English 30A-30B) is continued through two successive semesters. Each half of the course constitutes a semester's work. The first half is a prerequisite to the second unless there is a statement to the contrary. The individual student should check all prerequisites so that he enrolls only in courses for which he has the proper background.

Courses at Imperial Valley College parallel as closely as possible the courses given at San Diego State College (SDSC) and the University of California at Los Angeles (UCLA).

ANATOMY

21 Human Anatomy (3) I

An introductory course designed to give the student a basic understanding of the structure of the human body; covers the skeletal, muscular, nervous, arterial and venous, and reproductive systems.

ANTHROPOLOGY

1A Physical Anthropology (3) I

Man's biological heritage; fossil evidences of early man; theories of human development; racial variability. Parallels SDSC Anthropology 1, and UCLA Anthropology 1.

1B Cultural Anthropology (3) II

Social institutions in primitive and civilized societies; races; rise of political institutions; growth of native civilizations; material culture; social organization; religion; language. May be taken before Anthropology 1A. Parallels SDSC Anthropology 2, and UCLA Anthropology 2.

ART

9 Art Design (3) I

Six hours. No prerequisite. A fundamental course in design introducing students to the aesthetic use of color and spacing and including those special skills and the handling of those materials required for teaching in the elementary schools. Parallels SDSC Art 9.

10 Crafts in the Elementary Schools (3) II

Six hours. Prerequisite: Art 9. A basic course approached from the creative viewpoint and employing the techniques, materials and tools appropriate for the elementary grades. Parallels SDSC Art 10.

BIOLOGICAL SCIENCE

See individual listings of courses under headings of ANATOMY, BIOLOGY, PHYSIOLOGY, and ZOOLOGY.

BIOLOGY

3 Introduction to Biological Science (3) I, II

Two hours lecture, three hours laboratory. A consideration of basic biological phenomena. Designed for those students who intend to take only one semester of general biological science. May be combined with Physical Science 5 for a year course in the basic principles of general science. Parallels SDSC Biology 3.

BUSINESS

1A-1B Principles of Accounting (3-3) Yr.

Four hours of lecture and laboratory. Introduction to the theory, practice, and principles of accounting as they relate to single proprietorship, partnership, and corporate types of business enterprises. Parallels SDSC Business Administration 1A-1B, and UCLA Business Administration 1A-1B.

2 Mathematics of Finance (3) II

Prerequisite: Two years of algebra in high school or equivalent. Interest and annuities; amortization; sinking funds; valuation of bonds; depreciation; mathematics of building and loan associations. Parallels SDSC Business Administration 2.

16 Introduction to Business (2) I

A basic beginning college course for students specializing in business subjects; the nature of business, ownership, finance, personnel, and problems related to the business system.

17 Business Management (2) II

A study of the organizing and merchandising problems of a business; financial problems; business management.

30A-30B Business Law (3-3) Yr.

Principles of business law and their application to actual cases involving business transactions, contracts, sales, partnerships, corporations, negotiable instruments, and property and creditor's rights. Parallels SDSC Business Administration 30A-30B.

50 Salesmanship (3) I

Theoretical and psychological backgrounds of salesmanship; newer concepts of selling; the selling of ideas and services; steps in a sale; the development of clientele and of good will; the personal factor in salesmanship. Parallels SDSC Business Administration 50.

51 Income Tax (2) I

An elementary course in computation of income tax, use of forms and some of the less complex computations. Tax regulations are studied and students are taught to prepare returns.

52 Investments (2) II

The fundamentals of investment, including operation of the investment market, stocks and bonds, real estate ownership, buying and selling of various kinds of investments, and other related fields.

61 Business Mathematics (2) I, II

Simple fundamentals of business arithmetic, percentage, cash and trade discounts, markup, commissions, depreciation, stock turnover, payrolls, interest and bank discount. A requirement for the major in business, this course may be waived if the student passes a special test.

71 Elementary Typewriting (3) I, II**71E Elementary Typewriting (Evening Class) (2) I, II**

Day class offers five hours and evening class three hours of lecture and activity in the fundamentals of typewriting. Parallels SDSC Business Administration 71 (3).

72 Advanced Typewriting (3) I, II**72E Advanced Typewriting (Evening Class) (2) I, II**

Prerequisite: Business 71, 71E, two years of high school typing or permission of the instructor. An advanced course in typing for those students who wish to increase their speed and accuracy in office work. The course includes various types of business letter writing, legal forms, typing from manuscripts and simple filing. Parallels SDSC Business Administration 72 (3).

73 Machine Calculation (3) I, II

The operation of machines used in the business office. Includes drills and problems emphasizing accurate and rapid operation. Parallels SDSC Business Administration 73 (1-3).

75A-75B Shorthand (3-3) Yr.

Gregg shorthand theory; dictation and transcription. Development of the ability to take dictation at 60 to 80 words per minute. Parallels SDSC Business Administration 75A-75B.

76 Advanced Shorthand (3) I, II

Prerequisite: Net speed of not less than 35 words per minute in typing; dictation speed of not less than 60 words per minute. Development of speed in the writing and transcription of Gregg Shorthand; designed to fit students for business positions. Parallels SDSC Business Administration 76.

77A-77B Elementary Bookkeeping (3-3) Yr.

A course designed to meet the needs of practical bookkeeping in single proprietorship, partnership, and corporation. Work is given in journalizing, posting, trial balance and preparation of financial reports. Preparation of the payroll and other practical work is included. Not open to students with credit in high school bookkeeping.

80A Business English (3) I

Thorough training in the mechanics of English: spelling, punctuation, sentence structure, work usage, modern business vocabulary. Effective development of the English communication skills necessary for the production of accurate and mailable business letters.

80B Business Correspondence (3) II

Prerequisite: Business 80A or equivalent, Business 71 or equivalent. Designed to achieve effective written communication in the field of business. Emphasizes letter form and style, the psychology of the sales letter, letters of complaint and adjustment, credit and collection, job application, and the business report.

CHEMISTRY**1A-1B General Inorganic Chemistry (5-5) Yr.**

Three hours lecture, six hours laboratory. Prerequisites: Elementary algebra and plane geometry. Recommended: High school chemistry, physics, and additional mathematics. General principles of chemistry with emphasis on inorganic materials. Quantitative analysis is included in the second semester. Parallels SDSC Chemistry 1A-1B.

ECONOMICS

1A-1B Principles of Economics (3-3) Yr.

An introduction to principles of economic analysis, economic institutions, and issues of economic policy; allocation of resources and distribution of income through the price system; aggregative economics, including money and banking, national income, and international trade. Parallels SDSC Economics 1A-1B, and UCLA Economics 1A-1B.

EDUCATION

10 Introduction to Education (2) I, II

An orientation course for prospective teachers. Survey of teaching needs, methods and procedures; control and organization of education; financing; requirements for teaching; teacher placement and opportunities; curriculum, guidance and school materials. Classroom discussion and problems are combined with field work and observations of actual teaching situations.

ENGINEERING

D Engineering Drawing (2) I, II

Six hours laboratory. No prerequisites. The development of the skills and techniques of drawing for engineers. Free-hand lettering and drawing, use and care of drafting equipment, elementary orthographic and pictorial drawing theory, basic symbolism of drafting, creative planning. Parallels SDSC Engineering 1.

1A-1B Mechanical Drawing (2-2) Yr.

Six hours laboratory. No prerequisites. Introduction to drafting practice and blue print reading; use and care of instruments; lettering, geometrical figures; projection and machine design. This course is designed for students who have not had high school mechanical drawing.

2 Engineering Graphics (3) I

(Not offered 1960-61) One hour lecture, five hours laboratory. Prerequisite: One year of high school drafting or Mechanical Drawing 1A-1B, plane geometry, trigonometry. The principles of descriptive geometry and graphics and their application to the solution of problems in engineering and science. Parallels UCLA Engineering 2.

23 Manufacturing Processes (3) II

Two hours lecture, three hours laboratory. Analysis of the various tools and processes utilized in modern manufacturing and fabrication operations. Parallels SDSC Engineering 23.

ENGLISH

1A Composition (3) I, II

Prerequisite: Satisfactory grade on English Placement Test, English 51A with grade of A or B, or English 51A-51B. An introductory course in college composition with emphasis on clear, effective written communication; paragraphing, syntax and idiom, punctuation, spelling, principles of organization, and effective style; preparation of the term paper. Parallels SDSC English 1, and UCLA English 1A.

1B Introduction to Literature (3) I, II

Introduction to the types of modern literature; training in reading literary materials with insight and vividness. Parallels SDSC English 2, and UCLA English 1B.

10 Reading Improvement (2) I, II

A course designed for those who wish to increase reading speed and comprehension.

15 Vocabulary Building (2) I, II

A practical course designed to widen the student's command of words and to increase his word-building proficiency by an extensive study of word origins, roots, stems, prefixes, suffixes, meanings, and special uses.

30A-30B American Literature (3-3) Yr.

(Not offered 1960-1961.) A study of the works of the major American writers in relation to literary, political, social, and religious movements. English 30B may be taken before English 30A. Parallels SDSC English 50A-50B, and UCLA English 30A-30B.

51A-51B English Fundamentals (3-3) Yr.

A fundamental course which reviews English grammar, diction, punctuation, spelling, and sentence structure in the first semester; and emphasizes writing, improvement of reading speed and comprehension, and vocabulary in the second semester. Designed to meet the needs of the student who does not qualify for English 1A-1B, and of those who wish a thorough review of the fundamentals of the English language.

56A-56B Survey of English Literature (3-3) Yr.

A study of some important works of English literature from the Anglo-Saxon period to the modern period. Includes literary history of each period. English 56B may be taken before English 56A. Parallels SDSC 56A-56B and UCLA English 46A-46B.

051 English Review (3) I, II

A course designed especially for the adult who wishes to make up deficiencies for the high school diploma. Reviews basic grammar, punctuation, spelling, and the fundamentals of clear writing.

FRENCH**1 Elementary French (4) I**

Meets five hours weekly. Pronunciation, oral practice, study of French culture and civilization, and basic grammar of the French language. Parallels UCLA French 1.

2 Elementary French (4) II

Meets five hours weekly. Prerequisite: French 1 or two years of high school French. Continuation of French 1. Parallels UCLA French 2.

3 Intermediate French (4) I

Meets five hours weekly. Prerequisite: French 2 or three years of high school French. Continuation of French 2. Parallels UCLA French 3.

4 Intermediate French (4) II

Meets five hours weekly. Prerequisite: French 3 or four years of high school French. Continuation of French 3. Parallels UCLA French 4.

GEOGRAPHY**1 Physical Geography (3) I**

The nature of maps, weather and climates of the world; natural vegetation; land forms and their associated soils, with reference to their climatic relationships; the seas and their coasts. Parallels SDSC Geography 1, and UCLA Geography 1A.

2 Cultural Geography (3) II

Stresses the major regions of the earth and their population, including their chief cultural characteristics such as language, religion, ethnic background, economy and institutions. The interrelationships between cultural conditions and physical controls is emphasized. Geography 2 may be taken before Geography 1. Parallels SDSC Geography 2, and UCLA Geography 1B.

GEOLOGY**1A Physical Geology (4) I**

Three hours lecture, three hours laboratory with related field study during the semester. The composition, origin, and distribution of earth materials, and their modification through mechanical and chemical processes. Parallels SDSC Geology 1A, and UCLA Geology 2 (3).

1B Historical Geology (4) II

Three hours lecture, three hours laboratory with related field study. Theories of earth origin, and the evolutionary history of the earth as traced through rock and fossil records. Parallels SDSC Geology 1B, and UCLA Geology 3.

HISTORY**3 United States Constitution (2) I, II**

The fundamental nature of the American constitutional system and of the ideals upon which it is based. This course will satisfy the California State Board of Education's requirements for a Constitution course necessary to obtain a regular teaching credential.

4A-4B History of Western Civilization (3-3) Yr.

A broad, historical study of the major elements in the Western heritage from the world of the Greeks to that of the twentieth century, designed to further the beginning student's general education, introduce him to ideas, attitudes, and institutions basic to Western civilization, and to acquaint him, through reading and critical discussion, with representative contemporary documents and writings of enduring interest. Parallels SDSC History 4A-4B, and UCLA History 1A-1B.

8A-8B History of the Americas (3-3) Yr.

Survey of the history of the western hemisphere from its discovery to the present time. Attention is given to the exploration, settlement, colonial growth, imperial rivalries, and the achievement of independence. Includes the evolution of the American nations and people in the nineteenth and twentieth centuries. Parallels SDSC History 8A-8B, and UCLA History 8A-8B.

17A-17B United States History (3-3) Yr.

Survey of the political and social development of the United States, with emphasis upon the rise of American civilization and ideals. This year course meets the gradua-

tion requirements in U. S. Constitution; and the second semester course, 17B, meets the requirement in California state and local government. Parallels SDSC History 17A-17B, and UCLA History 7A-7B.

053 American Problems (3) I, II

A course designed especially for the adult who wishes to make up deficiencies for the high school diploma. Reviews basic history of the United States, government, and present day American problems.

HUMANITIES

1A-1B Introduction to the Humanities (3-3) Yr.

The most significant aspects of the arts through the ages, from primitive art to modern mass communication, literature excluded. A nontechnical presentation for the general student which is designed to acquaint the student with our western cultural heritage and the values it can contribute to his personal life. Parallels UCLA Integrated Arts 1A-1B.

JOURNALISM

93 Publications Workshop (2) I, II

Special work in journalism in connection with the school newspaper, *The Mirage*, and/or the school annual, the *Painted Desert*. Includes reporting, editing, taking pictures, working with the printer, and proofreading. May be repeated to a maximum of 8 units. Parallels SDSC Journalism 92 and 93 (1-3).

MATHEMATICS

A Intermediate Algebra (3) I

Prerequisites: Mathematics X and Y, or equivalent. Reviews basic algebra, then continues into more difficult types of factoring, solutions of equations, radicals, exponents, complex numbers, binominal expansion, logarithms, and conic sections. Emphasis also is placed on the application of algebra in solving problems.

C Plane Trigonometry (3) I

Prerequisites: Plane geometry and one and a half years of high school algebra or college algebra. Plane trigonometry, with special emphasis on trigonometric analysis. Parallels SDSC Mathematics 4 (2), and UCLA Mathematics C.

X Beginning Algebra (3) I

An accelerated course for those who do not have high school credit in algebra or who have an algebra deficiency. Basic algebra through quadratics. Parallels SDSC Mathematics 1.

Y Plane Geometry (3) I

Prerequisite: Algebra X or its equivalent. Algebra X may be taken concurrently. An accelerated course for those who do not have high school credit in geometry, or those who need extensive review of basic geometry as a preparation for advanced work in mathematics or science. Parallels SDSC Mathematics 2.

I College Algebra (3) I

Prerequisites: Geometry, 1½ years high school algebra or equivalent, and satisfactory score on proficiency test. Review of advanced algebra plus determinants, theory of equations, conic sections, permutations and combinations, progressions.

3A-3B Analytic Geometry and Calculus (3-3) Yr.

Prerequisites: Two years high school algebra or Math. 1, plane geometry and plane trigonometry. Recommended: Solid Geometry. Combined course in analytic geometry and calculus studying basic principles of limits, differentials, derivatives and integration with application to practical problems. The straight line and conics are studied in connection with problem solving.

51 Basic Mathematics (3) II

Fundamentals of mathematics with applications to everyday problems. Required of all students failing the competency examination in mathematics. Not open for credit to students passing this examination. May not be used in the major or minor. Parallels SDSC Mathematics A.

051 Mathematics Review (3) I, II

A course designed especially for the adult who wishes to make up deficiencies for the high school diploma. A review of the fundamentals of mathematics with their application to everyday problems.

MUSIC

7A Music Fundamentals for General Elementary Teachers (3) I

Elementary music theory and skills including notation, meter, rhythm, scales, intervals, triads, sight singing, ear training, dictation, elementary keyboard facility and other fundamentals. Parallels SDSC Music 7A.

7B Music Materials for the Elementary School (3) II

Study of all phases of elementary school music; singing, listening, reading, creative music, instruments, repertoire of songs and records, music projects. Music 7B may be taken before Music 7A. Parallels SDSC Music 7B, and UCLA Music 31.

9A-9B Elementary Harmony (3-3) Yr.

(Not offered 1960-61.) Sight singing and ear training, keyboard harmony, study of traditional diatonicism, basic four-voice writing and analysis. Parallels SDSC Music 9A-9B.

10A-10B Piano Class (1-1) Yr.

Basic keyboard experience through study of music reading, notation, scales, chords, and sight-reading covering a repertoire of beginning and intermediate songs and piano literature, with emphasis on keyboard harmony. Parallels SDSC Music 10A-10B, and UCLA Music 41.

14 Conducting (2) I

Principles and practice in those skills needed to direct choirs, youth groups, and musical organizations.

30A-30B History and Appreciation of Music (3-3) Yr.

A study of the important composers and their works. Purpose of the course is to develop an understanding of various types of music from different eras as a medium of cultural development and as a background toward further musical study. Parallels UCLA Music 30A-30B.

62 Mixed Chorus (1½) I, II

Open to students who have good singing voices and the ability to read music. May be repeated to a maximum of 6 units.

63 Chamber Singers (2) I, II

Prerequisite: Permission of the instructor. A performance organization devoted to the study and the public performance of chamber music. May be repeated to a maximum of 8 units.

64 College Madrigal Singers (2) I, II

Prerequisite: Permission of the instructor. A performance organization specializing in the madrigal songs which are sung a capella and are characterized by elaborate rhythm and contrapuntal imitation. May be repeated to a maximum of 8 units.

PHILOSOPHY

1A-1B Introduction to Philosophy (3-3) Yr.

(Not offered 1960-61.) The place of philosophy in intelligent living. The methods, values, and areas of philosophical inquiry. The nature of philosophical inquiry as applied to problems of knowledge and reality. An attempt is made to provide the student with a critical technique for developing a well considered philosophy of his own. Parallels SDSC Philosophy 1A-1B, and UCLA Philosophy 6A-6B.

PHYSICAL EDUCATION

1 Physical Education Activity (½) I, II

Designed to give the student an introduction to fundamental physical skills; to introduce him to phases of team and individual games; to stimulate the development of mental and physical alertness and poise, and to encourage regular participation in a variety of competitive and recreational sports. Classes are organized for men, for women, and for coeducational groups.

21 Health Education (2) I, II

Fundamentals of healthful living designed to provide scientific health information, and promote desirable attitudes and practices. Includes the study of first aid and the relationship of alcohol, narcotics, and smoking to health, and the factors involved in family and community health and safety. Required for graduation. Parallels SDSC Health Education 21, and UCLA Physical Education 44.

31 Football (1) I

Theory and practice of competitive football. Limited to students trying out for varsity teams.

32 Basketball (1) I, II

Theory and practice of basketball. Limited to students trying out for varsity team.

33 Track (1) II

Theory and practice of track. Limited to students trying out for varsity team.

34 Baseball (1) II

Theory and practice of baseball. Limited to students trying out for varsity team.

- 53 Physical Education in the Elementary School (3) I, II**
 The state program in physical education for the elementary school forms the basis of the course, including selection of materials, methods and techniques of teaching and practice in skills. Parallels SDSC Physical Education 53, and UCLA Physical Education 27A-27B.

PHYSICAL SCIENCE

See individual listing of courses under headings of CHEMISTRY, GEOGRAPHY, GEOLOGY, MATHEMATICS, and PHYSICS.

- 5 Introduction to Physical Science (3) I, II**
 Two hours lecture, three hours laboratory. Selected topics in physical science. The relations of physical science to modern life through emphasis on the scientific method. Designed for those intending to take only one semester of physical science. May be combined with Biology 3 for a year course in the basic principles of general science. Parallels SDSC Physical Science 5.

PHYSICS

- 2A-2B General Physics (4-4) Yr.**
 Three hours lecture, three hours laboratory. Prerequisites: Two years of high school mathematics. Properties of matter, mechanics, heat, wave motion, sound, magnetism, light and atomic physics. Parallels SDSC Physics 2A-2B.

PHYSIOLOGY

- 1 Human Physiology (4) II**
 Two hours lecture, six hours laboratory. The functions of the human body; emphasis on the circulatory, muscular, and nervous systems. Parallels SDSC Zoology 9.

POLITICAL SCIENCE

- 1A-1B Introduction to Government (3-3) Yr.**
 (Not offered 1960-61.) Theories and principles of government with special attention to the problems created by modern industrialism and population pressures. A comparative survey of selected foreign governments, their constitutional principles, political institutions, and governmental problems. Parallels SDSC Political Science 1A-1B.

PSYCHOLOGY

- 1A-1B General Psychology (3) Yr.**
 An introduction to some of the facts, principles, and concepts which are basic to understanding human behavior. The integrative relations of psychological processes to nervous, muscular, and glandular features of the response mechanism. Parallels UCLA Psychology 1A-1B.
- 9A-9B-9C-9D Guidance Workshop (½-½-½-½) I, II**
 Guidance in the selection and study of occupational goals and the development of college study skills. Course includes testing to determine each student's special abilities, test interpretation, and trips to observe and talk with people who are working in the occupations that are of special interest to the class members. Study skills that are covered include lecture note taking, library research methods, and reading improvement.
- 50 Survey of Psychology (2) I, II**
 A short course designed to give the student who expects to take only one semester of psychology an understanding of some of the major precepts in the field. Not open to students who have credit in Psychology 1A-1B.

SCIENCE

Science courses are listed under individual subjects. See the following:

- Biological Science:** Anatomy, Biology, Physiology, Zoology
Physical Science: Chemistry, Geography, Geology, Mathematics, Physical Science, Physics
Social Science: Anthropology, Economics, Geography, History, Psychology, Sociology

SOCIAL SCIENCE

See individual listings of courses under headings of ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, PSYCHOLOGY, SOCIOLOGY.

SOCIOLOGY

- 1A-1B Principles of Sociology (3-3) Yr.**
 A study of the characteristics of social life; the processes of social interaction; the tools of sociological investigation; concepts applied to sociological analysis, and the identification and analysis of social problems in the United States. Parallels SDSC Sociology 1, 10; and UCLA Sociology 1, 2.

SPANISH

- 1 **Elementary Spanish (4) I**
Meets five hours weekly. Pronunciation, oral practice, study of Spanish culture and civilization, and basic grammar of the Spanish language. Parallels UCLA Spanish 1.
- 2 **Elementary Spanish (4) II**
Meets five hours weekly. Prerequisite: Spanish 1 or two years of high school Spanish. Continuation of Spanish 1. Parallels UCLA Spanish 2.
- 3 **Intermediate Spanish (4) I**
Meets five hours weekly. Prerequisite: Spanish 2 or three years of high school Spanish. Continuation of Spanish 2. Parallels UCLA Spanish 3.
- 4 **Intermediate Spanish (4) II**
Meets five hours weekly. Prerequisite: Spanish 3 or four years of high school Spanish. Continuation of Spanish 3. Parallels UCLA Spanish 4.

SPEECH

- 1A-1B Elementary Speech (2-2) Yr.**
Training in the fundamental processes of oral expression; the methods of obtaining and organizing material; practice in the construction and delivery of various forms of speeches; extemporaneous work and forum and panel discussions. Parallels SDSC Speech 3, 4 and UCLA Speech 1, 2.

VOCATIONAL WORK-STUDY EDUCATION

- 51 Vocational Work-Study Education (1-4) I, II**
This is a program designed to supplement classroom instruction and to provide actual occupational experience in business, industrial, and agricultural vocations. One unit of credit is given for four hours of work per week. The course may be repeated for a maximum of 16 units of elective credit toward graduation. The student must be concurrently doing satisfactory work in a minimum of 8 units. He must be willing to work up to sixteen hours per week for at least sixteen weeks at wage rates agreed upon by employer and student. Enrollees will be assisted by the teacher-counselor to secure a satisfactory job and the student will be responsible to him for periodic counseling.

ZOOLOGY

- 1A General Zoology (4) I**
Two hours lecture, six hours laboratory. Introduction to basic principles of animal biology with reference to structure, functions, classification, heredity, and the environment of animals in general and of invertebrates in particular. Parallels UCLA Zoology 1A.
- 1B General Zoology (4) II**
Two hours lecture, six hours laboratory. Prerequisite: Zoology 1A. Continuation of Zoology 1A with emphasis upon comparative anatomy and physiology, development of vertebrate forms and their inter-relationships. Parallels UCLA Zoology 1B.

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