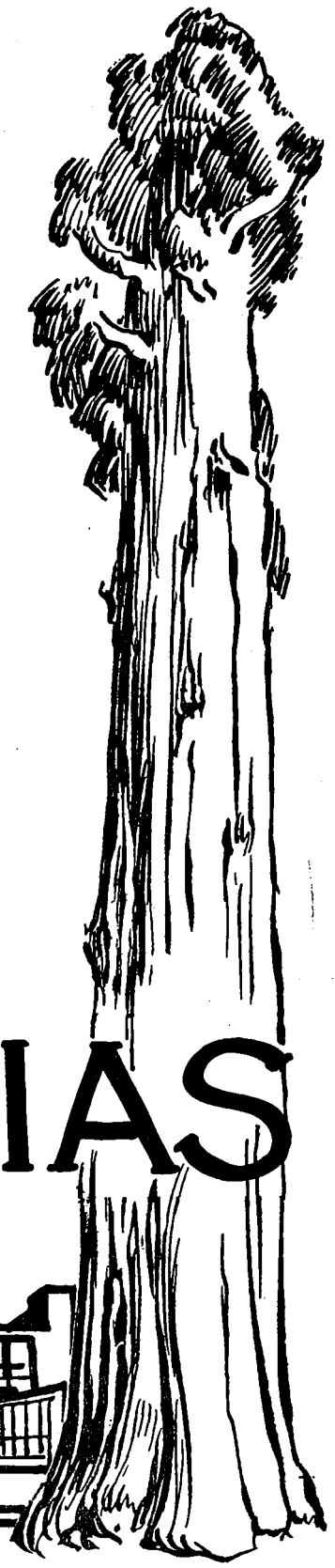
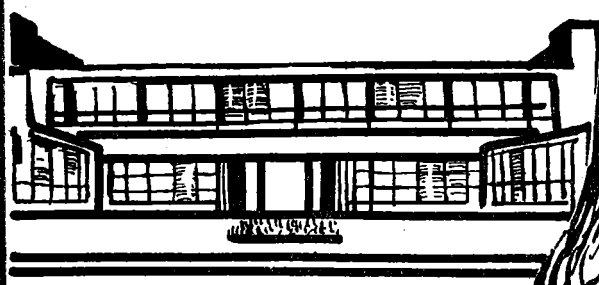


COLLEGE OF THE
SEQUOIAS

CATALOG
1956-1957

SEQUOIAS



College of the Sequoias

A Public Junior College

Catalog 1956-57



College of the Sequoias Junior College District

Mooney Boulevard

VISALIA, CALIFORNIA

Published by the Board of Trustees

The College of the Sequoias is a member of the American Association of Junior Colleges, the California State Junior College Association, and the Central California Junior College Association.

The college is officially accredited by the Western College Association and the California State Department of Education.

The University of California and other colleges and universities of high rank give full credit for appropriate courses completed at College of the Sequoias.

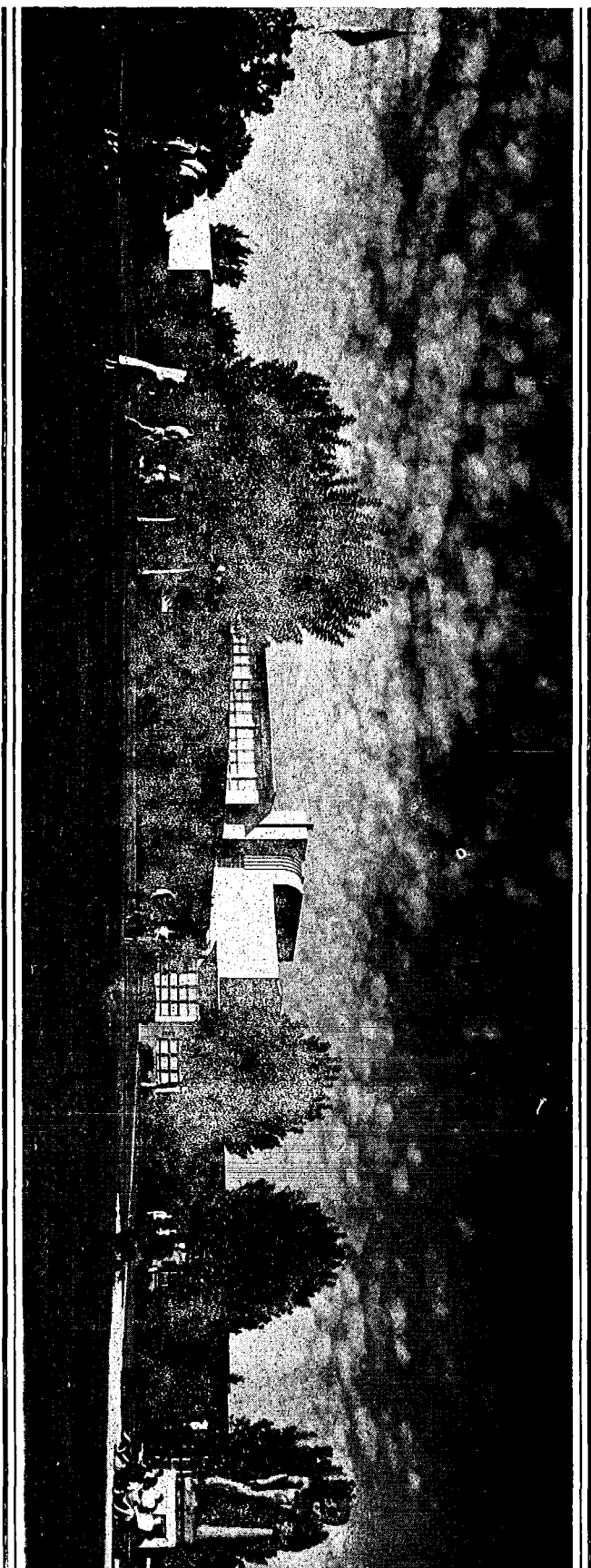


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CALENDAR 1956-1957

FIRST SEMESTER

September 4, 1956—February 1, 1957

August 20-24 and August 27-31	Student Counseling
August 25	Placement Tests
September 3, 8:00 P.M.	General Faculty Meeting
September 4	Registration of all Students
September 5	Class Instruction Begins
September 10, 12, 14, 17, 19	Orientation of New Students
September 18	Last Day to Add Classes
September 20-21	Aptitude Tests
October 16	Last Day to Drop Courses Without Penalty
November 2	Deficiency Notices Mailed
November 12	Armistice Day
November 22 and 23	Thanksgiving Vacation
December 20 thru January 1	Christmas Vacation
January 25, 28, 29, 30, 31	Semester Examinations
February 1	End of First Semester

SECOND SEMESTER

February 4, 1957—June 7, 1957

January 12	Placement Tests
January 30-31	Counseling of New Students
February 4	Registration of all Students
February 5	Class Instruction Begins
February 14-15	Aptitude Tests
February 15	Last Day to Add Classes
February 22	Washington's Birthday
March 18	Last Day to Drop Courses Without Penalty
April 5	Deficiency Notices Mailed
April 15 thru April 19	Easter Vacation
May 18	Placement Tests
May 30	Memorial Day
May 31, June 3, 4, 5, 6,	Semester Examinations
June 7	End of Second Semester
June 9	Commencement

BOARD OF TRUSTEES

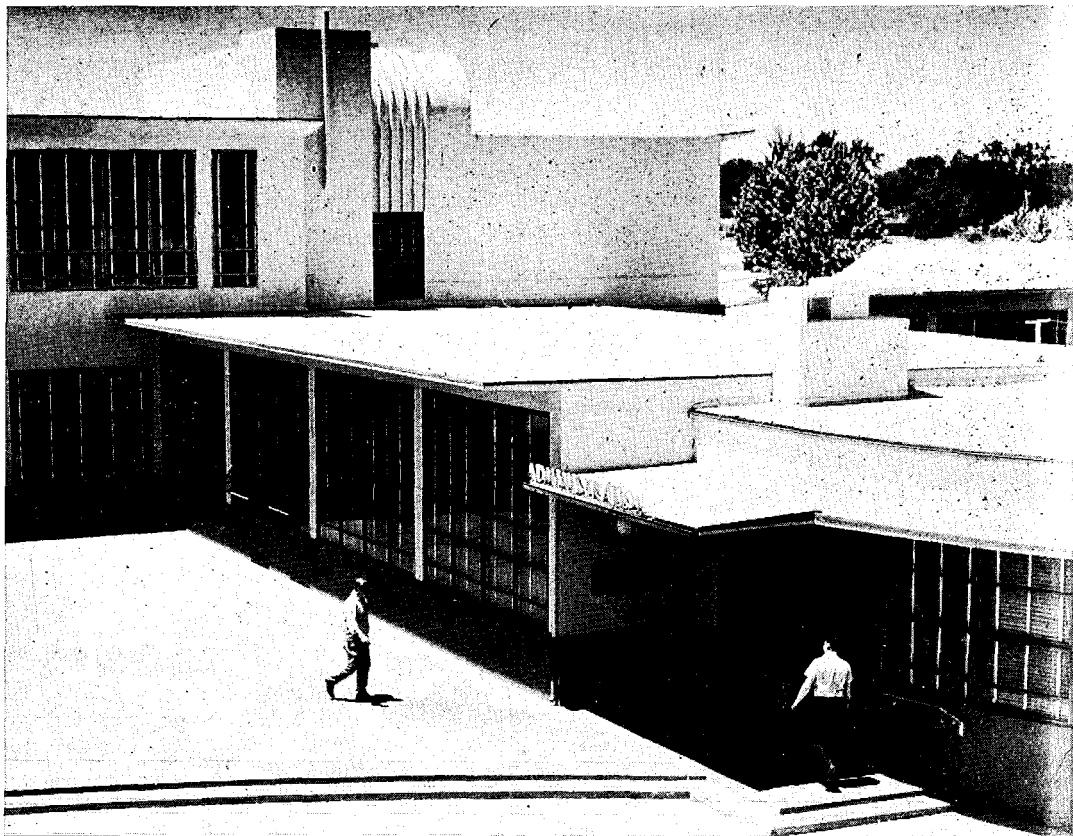
EMMETT W. PAREGIEN, President

DR. CHARLES M. MATHIAS

W. LELAND SWALL

C. RAY BUCKMAN

FRED B. CARROLL, Clerk



ADMINISTRATION

IVAN C. CROOKSHANKS, Superintendent

WILLIAM C. MCKINNEY, JR., Director of Curriculum

JOHN S. HANSEN, Dean of Students

LOIS A. TILLMAN, Dean of Women

JERRY H. GIRDNER, Director of Counseling

MAURICE V. CORBETT, Director Extended Day Program

AGNES STROM, Registrar

FACULTY

BOCK, RUTH C. - - - - -	Business
A. B., Fresno State College	
BRICKER, JOHN F. - - - - -	Social Science
A. B., Michigan State Univ., M. A. Univ. of Calif.	
BRYANT, A. E. - - - - -	-Science
A. B., M. A., University of California	
CAREY, KEITH R. - - - - -	Business
B. S., University of California; M. A., San Francisco State College	
CLEVELAND, WILLIAM R. - - - - -	Science
B. S., M. S., California Institute of Technology	
CORBETT, MAURICE - - - - -	Speech
A. B., University of California	
COX, PAUL R. - - - - -	Music
B. M., University of Southern California	
CROOKSHANKS, IVAN - - - - -	Superintendent
A. B., M. A., Redlands University; Ed. D., University of California	
CUNNINGHAM, WILLIAM - - - - -	Science
B. S., University of Chicago; A. M., University of Illinois	
DELMATIER, ROYCE D. - - - - -	Social Science
A. B., M. A., Ph.D., University of California	
DURHAM, MARTHA - - - - -	Physical Education, Hygiene
A. B., University of Illinois; M. A., Stanford University	
EGGLESTON, STEPHEN - - - - -	Psychology, Counseling
A. B., M. S., University of Southern California	
ESSEX, WILFRID L. - - - - -	Science
A. B., University of Southern California	
FINNI, MILDRED HOLLIS - - - - -	Home Economics
A. B., San Jose State College	
FISCHER, CURT - - - - -	English, German
A. B., M. A., Fresno State College	
FISCHER, HAROLD L. - - - - -	Social Science
B. A., University of Wisconsin; M. A., University of Southern California	
FOREMAN, THOMAS ELTON - - - - -	Journalism
A. B., Fresno State College	
FOTIAS, C. A. - - - - -	French, Spanish
A. B., M. A., University of Michigan	
FRITZ, IRVING - - - - -	Music
A. B., College of the Pacific	

- GIRDNER, JERRY H. - - - - - Counseling
A. B., San Jose State College; M. A., Stanford University
- GROGAN, AGNES - - - - - Physical Education
A. B., Fresno State College
- GUARISCO, JOSEPH A. - - - - - Building Trades
- HANKEY, RICHARD O. - - - - - Law Enforcement, Photography
A. B., University of California; M. A. Fresno State College
- HANSEN, JOHN S. - - - - - Student Activities, Counseling
A. B., Fresno State College; M. A., Stanford University
- HATCHER, GWENDOLYN N. - - - - - English
B. S., Southeast Missouri State College; M. A., University of Michigan
- JENSEN, BRUCE F. - - - - - Agriculture
B. S., University of California
- KILER, FRANK O. - - - - - Metal Trades
A. B., Santa Barbara State College
- KING, JOSEPH A. - - - - - English
A. B., Long Island University; M. A., University of Utah
- KNIGHT, FRED V. - - - - - Agriculture
B. S., Oklahoma Agricultural and Mechanical College
- LAPIKE, NATALIE - - - - - Librarian
A. B., University of California
- LEWIS, JAMES GORDON - - - - - Social Science
A. B., M. A., Occidental College
- MCCULLEY, KATHARINE - - - - - Psychology
A. B., Pomona College; A. M., University of California
- McKINNEY, WILLIAM C., JR. - - - - - Psychology
A. B., Saint Mary's College; M. A., University of California
- MURRAY, THOMAS - - - - - English, Philosophy
A. B., Seattle Pacific Col.; M.Th., Berkeley Divinity School; Ph.D., Yale Univ.
- MYERS, DOROTHY - - - - - Business
B. B. A., University of Washington; M. S., University of Southern California
- OTTO, JOHN D. - - - - - English
A. B., Fresno State College; M. A., Stanford University
- PAPPAS, GEORGE C. - - - - - Speech, Drama
A. B., Fresno State College; M. A., University of Southern California
- POLLOCK, EDWIN J. - - - - - Mathematics
B. S., University of Southern California

- PRATT, IRA P., JR. - - - - - Science
 B. S., M. A., Fresno State College
- PUSATERI, SAMUEL J. - - - - - Science
 A. B., M. A., University of Buffalo; Ph.D., University of Southern California
- QUINN, JAY G. - - - - - Business
 A. B., M. A., San Francisco State College
- RAPHAEL, HOWARD L. - - - - - Mathematics, Science
 A. B., University of California at Los Angeles
- REID, WILLIAM L. - - - - - Science
 A. B., Fresno State College
- ROBINS, FRED P. - - - - - Engineering
 B. S., California Institute of Technology
- ROULEAU, ALICE G. - - - - - Art
 A. B., M. A., University of California
- ROUTEN, WILLIAM E. - - - - - Engineering
 B. S., University of Kentucky; M. Ed., University of Illinois
- RUSSELL, JO A. - - - - - Art
 M. A., Colorado State College; B. S., Oklahoma Agri. and Mech. College
- SHEPHERD, EARL E. - - - - - Social Science
 A. B., M. A., Colorado State College
- SHIVELY, THORNTON T. - - - - - English
 A. B., Hastings College
- SPIGARELLI, DINO - - - - - Physical Education
 B. S., M. S., Kansas State College
- STALEY, HUGH - - - - - Physical Education, Hygiene, Education
 A. B., San Jose State College
- STRON, AGNES - - - - - Registrar
 B. S., Armstrong College
- TAYLOR, ROY D. - - - - - Physical Education, Hygiene
 A. B., Fresno State College
- THOMPSON, LEWIS A. - - - - - Business
 A. B., University of Nebraska; M. A., University of California at Los Angeles
- TILLMAN, LOIS A. - - - - - English
 A. B., University of California
- WESTON, SUE E. - - - - - Home Economics
 A. B., Oklahoma Baptist University; M. Ed., Oklahoma University
- WILHELMSSEN, P. - - - - - Physical Education
 A. B., Fresno State College

GENERAL INFORMATION

THE COLLEGE

The college was established by the Visalia Union High School Board of Trustees as Visalia Junior College in 1925, and offered the first post-high school instruction to students of this area beginning September, 1926. College classes were housed in the Visalia Union High School plant until September, 1940. At that time the college moved to its own fifty-acre campus southwest of Visalia where new buildings had been completed.

On January 18, 1949, the voters of the Tulare Union High School District and the Visalia Union High School District elected to organize the areas in those two high school districts into a junior college district. During the spring the students voted on a name for the newly-formed junior college district. From the names suggested by the students, the board of trustees chose the name, College of the Sequoias.

On January 18, 1950, the voters within the Exeter Union High School District and the Woodlake Union High School District voted to join the College of the Sequoias District.

On September 19, 1950, the voters within the Lindsay Unified School District voted to join the College of the Sequoias District.

College of the Sequoias serves an area of more than three thousand square miles in the heart of the San Joaquin Valley. Its offerings include an educational program for students who plan to continue their education at a university or state college, or who desire further general education, as well as



terminal courses for specific occupations. The college provides counseling service for all students with especial emphasis on vocational problems.

The general aim of the College of the Sequoias is to provide educational service for the various communities of its area. This aim requires of it a variety of functions and programs which include training for occupational competency, for civic competency, and for personal efficiency. The College of the Sequoias will provide formal college education for the youth of the communities and will, as well, serve as an active cultural center, attempting to meet the total post-high school needs of the communities.

The specific aims of the College of the Sequoias are:

1. To provide comprehensive training to those students who will finish their period of formal education in the junior college. This is designed to achieve occupational competence.
2. To provide every student that training which will prepare him to function effectively as a citizen.
3. To assist its students to "find themselves" through proper counseling and guidance.
4. To provide an adequate lower division offering for those students who plan to transfer to a university or college after completing two years in junior college.
5. To provide instruction to meet the needs of adults living in the region.
6. To provide an opportunity for students to remove any deficiencies they may have in entrance requirements to a university.

Our college occupies a fifty-acre site. The buildings are modern and well equipped. Additions have been made each year, and we now have plans being developed by our architect for a small theater and dramatics and music facilities.





In addition to the fifty-acre site on which the main buildings are located, we have a farm consisting of 160 acres. This farm has many buildings which include a shop, grade A dairy barn, beef, hog and poultry units. This farm is used as an experimental laboratory by the agriculture department.

It is the plan of the administration to continue our addition of physical facilities on a pay-as-you-go-basis.

College of the Sequoias, with its strategic location, its excellent buildings and facilities, together with a well-trained staff, will continue to serve the youth of this area. Constructive suggestions from students and patrons are always welcome.

COUNSELING AND GUIDANCE

Counseling and guidance are important aspects of the College program. The counselors and the deans constitute the regular counseling staff. All faculty members participate as advisers, and students are encouraged to consult them on problems concerning their courses.

Specialized counseling services are available from the counseling staff. The purpose of these services is to give students guidance in personal problems and counseling in vocational and educational fields. Professionally-trained counselors use modern scientific personnel methods in assisting students to analyze their aptitudes, interests, abilities, and personality traits. Up-to-date information about vocational training and opportunities is available.

CURRICULA

Junior college students may be classified into two major groups: those students who are planning to continue their education in four-year colleges or universities and those students who expect to enter some occupation either before or after graduation from junior college. The curricula are designed to meet the needs of the students in both groups.



Courses numbered 50 to 100 are in general not transferable to a university. The purpose of these courses is two-fold: (1) cultural courses designed for students who wish to complete a general education in the junior college and to assume immediately their places as active citizens of the community; (2) semi-professional or vocational courses designed for students who wish to enter the business and industrial world after finishing their junior college studies.

THE ASSOCIATED STUDENTS

The Associated Students of College of the Sequoias is the official student body organization. Upon payment of the eight dollar student activity fee at registration each semester, the student receives a student body card which entitles him to participate in the activities of the organization so long as he remains in good standing. All activities which concern the student body as a whole are sponsored by the associated students, including athletics, publications, social affairs and assembly programs. Students receive the weekly college newspaper, *The Campus*, throughout the year; if they are registered for both semesters, they receive the annual, the *Koh-Kyo*, without additional charge.

The business of the associated students is carried on by the Student Executive Board, the members of which are elected by the students. Comprising the executive board, which has the financial control over expenditures of student body money, are the president, vice-president, sophomore class president, freshman class president, Inter-Club Council president, Associated Men Students president, Associated Women Students president, and the commissioners of art, finance, records, activities, athletics, publications, and recreation.

STUDENT ACTIVITIES

At College of the Sequoias the responsibility of a junior college to help develop the social, emotional, and physical, as well as the intellectual growth of students is recognized. Consequently, a variety of out-of-class, or extra-

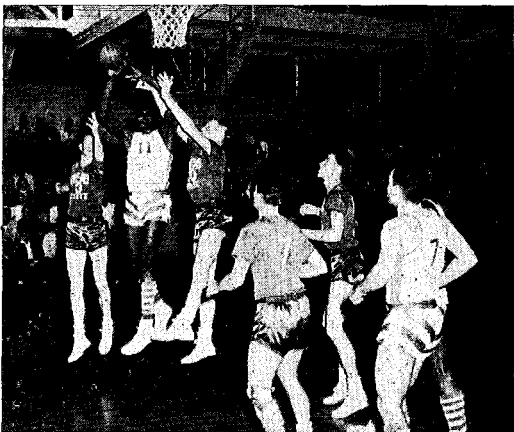
curricular, activities are provided. These activities include responsible, self-governing student government, assembly programs which are both educational and entertaining, a diversified athletic and recreation program, and social events which are designed to appeal to all students.

There are 23 actively-functioning clubs, committees, or other organizations on the College of the Sequoias campus. These groups are headed by the Inter-Club Council, which works with, but is subordinate to, the student executive board. The constitution of the Associated Students of College of the Sequoias vests financial control over student body funds in the executive board, which is composed of elected representatives of the student body. This governing group, which is advised by the dean of students, also makes final decisions on virtually all matters concerning extra-curricular activities.

ATHLETICS: The College of the Sequoias is represented by teams in football, basketball, baseball, track, tennis, and golf. Athletically speaking, the College of the Sequoias has been a stand-out in the Central California Junior College Association, winning, on the average, at least two conference championships each year in major sport activities.

Intramural sports also are stressed, with physical education activities such as bowling, golf, swimming, fencing, tennis, tumbling, badminton, weight lifting, boxing, archery, wrestling, folk-dancing, social dancing, and modern dancing available to students. Most of these classes are offered on a co-educational basis.

CLUBS AND ORGANIZATIONS: Headed by the Inter-Club Council, the 23 organizations presently active on the campus are the Foreign Language Club, Home Economics Club, Alpha Gamma Sigma (scholarship society), Sequoia Christian Fellowship, College Y, Circle K, Sequoia Actors Guild, Ski Club, Women's Athletic Association, Newman Club, Allied Arts, Beta Phi Gamma (honorary journalism club), International Relations Club, Rodeo Club, Future Teachers Club, Varsity Club, Mike and Key Club, Business Club, Social Committee, Rally Committee, Assembly Committee, Publicity Committee, Associated Women Students, and Associated Men Students. The Building Trades Alumni, composed of former students majoring in building trades, also cooperates with the student body in connection with certain student activities.



DRAMATICS: An experimental theater group offers interested students the opportunity to participate in both one-act and three-act plays.

MUSIC: The choir, mixed chorus, many smaller vocal groups, a marching band, a dance band, and various instrumental ensembles furnish music for assemblies and many special occasions during the school year.

OPERETTA: For several years the College of the Sequoias has presented an outstanding operetta or light opera in the spring to packed houses in the Montgomery Auditorium. Recent productions include "The Song of Norway," "Showboat," "Oklahoma," and "Naughty Marietta." The drama, music, and physical education departments, together with almost all other divisions of the college, combine efforts in these annual presentations.

PUBLICATIONS: College of the Sequoias journalism students publish a weekly newspaper (The Campus) and an annual (Koh-Kyo). Both publications have won many awards in rating contests. A handbook is published for distribution to students when they register in the fall. A weekly news letter also is prepared for distribution to newspapers, radio stations, and high schools in the area served by College of the Sequoias.

SOCIAL AFFAIRS: Activities in the social sphere include a number of dances, both formal and sport, an all-school carnival, picnics, teas, barbecues, and luncheon meetings. Many of these functions are college-wide in their participation while others are held mainly by and for the benefit of individual clubs or organizations.

VETERANS' EDUCATION

The college is approved for training veterans under the provisions of Public Law 346 (G. I. Bill) and Public Law 16 (Vocational Rehabilitation of Disabled Veterans) and Public Law 550 (Korean veterans). Public Law 346 and Public Law 16 veterans must present an original or supplemental certificate of eligibility. All students planning to receive benefits from any of the aforementioned veterans bills should contact the college registrar as soon as possible.

STATE AID TO THE PHYSICALLY HANDICAPPED

The State of California, through its Bureau of Vocational Rehabilitation, provides financial assistance to students, both civil and military, who have physical disabilities. This assistance equals the necessary school expenses and may include an additional amount to help cover the cost of living.



Students who may be entitled to this assistance should consult either the dean of women or the dean of students.

TRANSPORTATION

Transportation is provided to and from the college by a modern well-kept fleet of busses. These busses operate on "shoe string" runs, staying over-night at the end of the run. Areas served by busses include Alpaugh, Corcoran, Delano, Dinuba, Exeter, Hanford, Kingsburg, Ivanhoe, Laton, Lemoore, Lindsay, Orosi, Riverdale, Stratford, Strathmore, Three Rivers, Tulare, Visalia, and Woodlake.

Any student is eligible to ride these busses providing he lives a sufficient distance from the college.

LIVING ACCOMMODATIONS

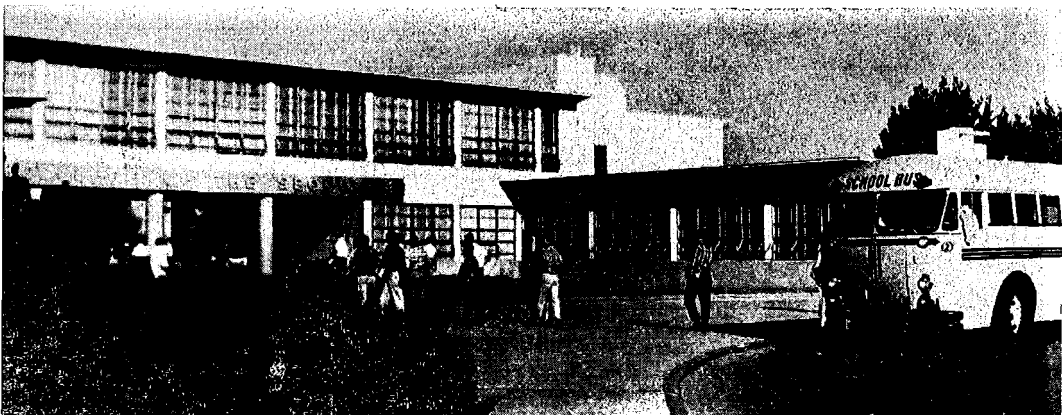
Information regarding rooms or room-and-board situations available for students who wish to live in the local area may be obtained from the Dean of Women and the office. Students are required to have such living accommodations approved by the Dean concerned before they make final arrangements.

Women must have the approval of their parents or guardians and must check with the Dean of Women if they are not residing at home. Living in apartments, except in the case of married students, is not encouraged by the college.

A veterans' housing project where married veterans or small groups of single veterans can be accommodated has been set up on the campus.

EMPLOYMENT

The College recognizes that one of the tests of its programs is the success with which students, graduates and former students meet the requirements of employers. The College has centralized its placement services in the Student Personnel Office. Here all students who are interested in part-time or full-time employment may file application forms for work. Every effort is made to place students in jobs for which they will be best suited in terms of interest, aptitudes, and past work experience. The College considers that satisfactory part-time work experience is an important part of the vocational



adjustment of students, and the Student Personnel Office, whenever possible, places applicants where the experience will be most beneficial.

Students who wish to work in private homes for room and board should consult the Dean of Women or the Dean of Students. No definite arrangements may be made by correspondence since a personal interview is always necessary.

THE MILITARY AND SELECTIVE SERVICE

The college cooperates fully with various military programs to aid students in preparing themselves for their military obligations while remaining in college. College of the Sequoias officials also are in close contact with Selective Service and are in a position to give maximum help to students who desire to be deferred so that they may continue with their education.

EXPENSES

No tuition is charged. An activity fee of eight dollars is payable each semester at the time of registration.

There are no laboratory, gymnasium, library, locker, or shop fees.

Text books and stationery will cost approximately thirty dollars a semester. New and used text books and essential stationery supplies may be purchased on the campus at the Associated Students' Store.

STUDENT INSURANCE COVERAGE

Members of the Associated Students of College of the Sequoias are covered for personal accident or injury by a unique policy paid for by the student body and the College of the Sequoias district. In addition to other benefits, this policy provides non-deductible coverage up to five hundred dollars per injury for accidents occurring during curricular or extra-curricular activities either on or off the campus.

LIBRARY

The library is centrally located in the south wing of the Administration Building. The book collection of approximately 12,500 volumes has been carefully selected to meet course requirements and the recreational reading needs of students and faculty. More than 200 current magazines and newspapers are received regularly. The resources of other libraries in the state are available through inter-library loans.



SCHOLARSHIPS AND LOANS

A number of scholarships sufficient to cover the cost of student activity fees, books and supplies are awarded to outstanding incoming students by the College of the Sequoias student body. Some of the specific fields in which these scholarships are offered are agriculture, pre-education, home economics, science and mathematics, business, dramatics, journalism, art, music, and pre-eminence in student citizenship and leadership. Additional scholarship awards are provided by the College of the Sequoias faculty, the Building Trades Alumni, the Visalia Sportsmen's Club, and by service organizations such as Kiwanis and Rotary. The Kiwanis scholarship program for young men attending College of the Sequoias is local in nature, while Rotary scholarships are mainly for the benefit of foreign students planning to attend College of the Sequoias.

A faculty committee encourages and aids outstanding students to obtain scholarship awards upon the completion of their work at the College of the Sequoias. Organizations which sponsor scholarships specifically for the benefit of College of the Sequoias graduates who continue their education at four-year colleges or universities are the Soroptimist Club, the Business and Professional Women's Club, the Sequoia Branch of the American Association of University Women, and Delta Kappa Gamma.

Small temporary loans are readily available to students through the offices of the deans. In addition, more substantial sums of money may be borrowed by qualified students who need financial assistance to complete their education after leaving College of the Sequoias. One requirement for such a loan is that the applicant must have completed at least one year's work at College of the Sequoias or two years' work if this college offers a satisfactory two-year curriculum for the student's major.

GENERAL REGULATIONS

ADMISSION

Graduates of any high school, regardless of high school courses, are admitted to this College, as well as such other persons over eighteen years of age who may be approved for admission by the administration. In coopera-



tion with the high schools of the area, courses taken in the College by students over eighteen years of age but who are not high school graduates may be credited by the high schools towards meeting high school graduation requirements.

Non-high school graduates will be required to take a scholastic aptitude test prior to registration for day classes.

Applicants for admission should secure application for admission blanks from the office of the registrar. Registration may not be completed until such blanks have been filled out and returned to the registrar. Transcripts of high school and any college records should be on file in this office sufficiently early to be evaluated before registration day.

Students from institutions of collegiate rank may be admitted upon the presentation of transcripts from such institutions, subject to approval by the administration of the College of the Sequoias.

Students from out of the State of California may enroll at the College of the Sequoias without payment of special fees.

EXTENDED DAY STUDENTS: Any individual 18 years of age, or older, or high school graduates under 18 years of age, may enroll.

MATRICULATION DEFICIENCIES

In the case of an applicant not eligible for clear admission to a standard college or university at the time of his entrance to junior college, deficiencies in both subject and grade requirements for such admission may be removed in the junior college.

Repetition of a college course for the purpose of removing a grade deficiency is permissible only in a case where the student has received a grade below "C".

REGISTRATION

Students are urged to register on the specified days as indicated in the college calendar on page 3. Late registration retards the progress not only of the student himself but of every class to which he may be admitted. Those who register after registration day will find many classes closed and their choice of subjects limited.



Only under extraordinary circumstances will registration be permitted after the end of the second week of class work.

It is essential that a transcript of the student's high school record be on file in the office of the registrar before registration day.

Students may register in the administration office as "Special Students" if they are enrolled for eight units of work or less.

EXTENDED DAY STUDENTS may register in the administration office during the first week of classes. Counseling services from the counseling staff are available to adults at the time of registration. Appointments may be made to see the counselors. Late registrations are handled through the administration office.

AMOUNT OF WORK

The normal requirement for a College schedule comprises fifteen units of work. No student will be granted credit in excess of eighteen units a semester, except in the case of a student of proved ability who needs additional units to complete required work for graduation.

AUDITING

A student may audit a course if he receives permission in advance from the instructor and from a dean. In the event of crowded conditions, students taking a course for credit will be given preference. A student will not receive either credit or a grade for auditing a course. The privilege of examinations and other facilities for credit in a course are not available to auditors.

SCHOLASTIC HONORS

Upon application by the student, at the end of each semester, grade point averages are computed to determine the students with 45 or more grade points. This scholastic record entitles the student to temporary membership in Alpha Gamma Sigma, California Junior College Honor Society. Not over ten percent of the members of each graduating class may become permanent members. Permanent members must have earned a total grade point average of not less than 3.3 and must have been temporary members for three semesters. At commencement they are awarded the Alpha Gamma Sigma pins and certificates and are graduated with honors.

PLACEMENT TESTS

Placement tests are given in May, September, and January of each year in English, shorthand, typewriting, and accounting.

For those who wish to take courses in English or speech, the English test is given to determine the placement of the student in the various English courses. A "C" grade in the test is required for admission to the basic courses, such as English 1a, English 10a, and Speech 1a.

For those who have had previous training in either shorthand, typewriting, or both, tests are given to determine the placement of the students in the various shorthand and typewriting classes.

PHYSICAL EDUCATION REQUIREMENTS

All students carrying over eight units of work and under twenty-five years of age are required by an act of the state legislature to enroll in the regularly prescribed courses in physical education for four semesters, unless proper medical exemptions are presented.

CONDUCT

Students are expected to set and observe among themselves a proper standard of conduct. Failure to show such respect for order, morality, and personal honor as is expected of good citizens may be sufficient cause for removal from the College.

ATTENDANCE

Regularity of attendance is fundamental to satisfactory progress in school work. Every student should assume the responsibility of regular attendance, not only because he can thus study most effectively, but also because his attendance assures the financial support which enables the institution to provide better facilities for all students.

The absence policy which has been adopted for College of the Sequoias follows:

- A. Any unexcused absence shall result in "F" for the day's work.
- B. Excused absences are to be made up to the instructor's satisfaction or they shall become unexcused.
- C. Absences in excess of the number of class units must be explained by the student to the satisfaction of the instructor. A student who fails to give such explanation shall be dropped from the class with a grade of "F".
- D. Upon his return to school after having been absent because of illness, a student shall fill out *in duplicate* the form for Verification of Absence Due to Illness. The instructor issuing the forms shall keep one copy to turn in to the office; the other copy should be retained by the student to present for initialing to all instructors whose classes he has missed. When all instructors concerned have signed this second copy, the student shall leave it at the office where it will be placed in the student's personal file.

LEAVES OF ABSENCE

Students finding it necessary to be absent for a period of three days or more are requested to see the proper dean in order to obtain a leave of absence form. The reason for the absence is indicated on this form as well

as the dates of the proposed absence. If the leave is granted the student has the privilege of making up the work missed in his classes. A leave of absence in no way relieves the student of the responsibility of completing all work to the satisfaction of the instructors involved.

WITHDRAWALS FROM COURSE OR COLLEGE

Students desiring to withdraw from a course or from college should file the proper request with a dean. Requests filed before the end of the sixth week of the semester will enable the student to withdraw without prejudice to his standing. After this period a student may be permitted to drop a course without prejudice only under such circumstances as are considered to be beyond the student's control. At this time he will receive "WP" in the course if his work is satisfactory, "WF" if his work is unsatisfactory.

GRADING PROCEDURES

All College work is measured in terms of both quantity and quality. The measure of quantity is the unit and the measure of quality is the grade point.

High school courses for which credit was received in high school may be repeated as remedial work in College for improvement in grade, but no College credit will be granted for such work.

For purpose of graduation or transfer to other collegiate institutions, it is necessary for the student to obtain a "C" average.

"A", "B", "C", and "D" are passing grades, corresponding to excellent, good, average, and barely passed; "F", failure. An incomplete (inc.) grade will be given only with the special approval of the Dean. This approval will be given only in cases of illness or other circumstances beyond the student's control and will indicate that the student is entitled to all grade points upon satisfactory completion of assignments within his first six weeks of his next semester of college. Failure to remove the incomplete within the designated period will result in a grade of "F".

It is understood that instructors' grades when handed in are final and not subject to change by reason of revision of judgment on the part of the instructor.

When a student repeats a course in which he has received a "D" grade, he will be entitled to the grade and grade points which he earns, but he will receive no additional units. When he repeats a course in which he has received an "F" grade, he will receive the grade, grade points, and units earned. Units and grade points will not be revised for repeated courses in which a "C" grade has been earned.

SCHOLASTIC REGULATIONS

THE SCHOLARSHIP AVERAGE is obtained by dividing the total number of grade points by the total number of units for which the student was registered. Grade points are assigned as follows:

Grade A receives 4 points per unit of the course taken.

Grade B receives 3 points per unit of the course taken.

Grade C receives 2 points per unit of the course taken.

Grade D receives 1 point per unit of the course taken.

Grade F receives 0 point per unit of the course taken.

SATISFACTORY SCHOLARSHIP means at least a "C" (2.0) average. To achieve at least a "C" (or 2.0) average, a student must have a minimum of twice as many grade points as he has units attempted.

TRANSFER STUDENTS—Any student transferring from another college shall be subject immediately to these same scholastic regulations.

WARNING—Whenever a student receives less than a "C" average for a semester's work, but is not deficient to the point where he is placed on probation, he will receive a warning notice in the mail.

PROBATION—A student is placed on probation and notice thereof entered on his permanent record card whenever his scholastic record shows either of the following deficiencies:

1. A deficiency of more than 5 grade points in any one semester's record.
2. A cumulative deficiency of more than 8 grade points.

A student who is placed on probation will be notified by letter of his status. He will remain on probation until he attains a cumulative "C" (2.0) average.

Students on probation will be limited to a maximum program of 15½ units except on approval of the Academic Council.

DISQUALIFICATION—A student on probation will be disqualified if at the end of a semester he falls below a "C" (2.0) average in the units taken that semester.

A student who is disqualified will be so informed by letter and notice of his status entered on his permanent record card. A disqualified student normally shall not be permitted to enroll for the next semester.

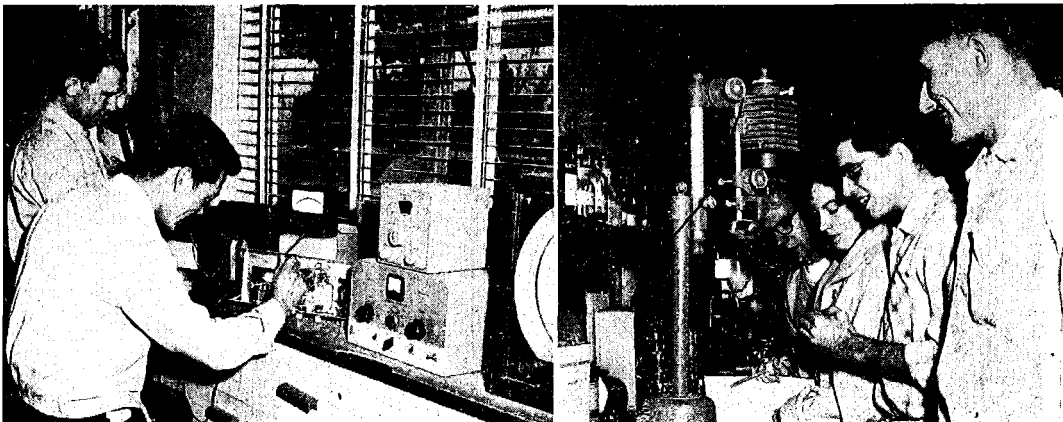
A student who has been disqualified may petition the Academic Council through a counselor for readmission. Any student readmitted after disqualification is on probation until he attains a cumulative "C" (2.0) average.

REQUIREMENTS FOR GRADUATION

The degree of Associate in Arts will be awarded to all students upon the satisfactory completion of the following requirements:

1. A minimum of 60 units of college work with a "C" (2.0) average. To achieve a grade point average of "C", a student must earn twice as many grade points as units attempted.
2. Two units in physical education earned at the rate of one half unit per semester.
3. Two units of community and personal hygiene, including the study of fire prevention, home safety, and accident prevention.
4. Three units in the Constitution of the United States, including the principles of state and local government.
5. A minimum of three units in American History, including a study of American institutions and ideals.
6. Six units of English or speech. For students majoring in pre-engineering or building trades this requirement is reduced to three units. Non-transfer students majoring in business are required to complete four courses in English, or speech.
7. A major consisting of at least 20 units of satisfactory work in specific subjects or approved related fields. Among the subjects in which a student may major are agriculture, art, building trades, business, drama and speech, engineering, English (including journalism), foreign language, home economics, law enforcement, liberal arts, mathematics, metal trades, music, science, and social science.
8. Fifteen of the total 60 units required for graduation must be completed in residence at the College of the Sequoias in order to qualify for graduation.

When preparing a program which meets the requirements for graduation, a student should plan to enroll in as many courses as is feasible in the field in which he is primarily interested. If he is planning to transfer to another institution upon graduation from the College of the Sequoias, the student also should prepare, with the aid of his counselor, an educational program which will enable him to transfer to a college or university of his choice with full junior standing.





EXTENDED DAY PROGRAM

GENERAL INFORMATION

The Extended Day Program is an integral part of the college. It offers lower division subjects leading to graduation from college and high school, and work to meet the special needs and interests of adults. A regular class schedule of sixteen weeks is planned for each semester. College terminal and transfer credit is granted. Some non-credit courses of varying lengths also are conducted during semesters.

Most classes meet once or twice a week for two or three hours. They are planned to assist the adult learner. These classes are scheduled for both day and evening, from eight o'clock in the morning to ten o'clock in the evening, Monday through Saturday.

EXTENDED DAY PROGRAM OPPORTUNITIES

Because of the flexibility of its organization and its variety of courses, the Extended Day Program is able to serve individuals of post-high school age irrespective of their background, training, and experience. Its aims include the extension of opportunities for improved living.

The Extended Day School Program serves the young college student who finds it convenient to take courses in the evening hours as part of his regular studies or who wishes to make up deficiencies.

The veteran or older adult who is employed during the daytime may enroll in the evening course of his leisure or vocational interest. He may also earn credit leading to graduation from college or high school.

Of immediate use to students are the subjects in general education, business, semi-professional, and technical fields. Featured, also, are upgrading courses in industry, work experience under supervision, as well as refresher, coaching, and avocational courses.

These services for adults are developed in cooperation with the community through representatives from trades, business, industry, commerce, professions, and community agencies.

FEEES

The Extended Day Program charges no tuition fees. Laboratory, shop, and material fees are assessed according to the amount of materials used. There are no fees for academic courses.

LOWER DIVISION REQUIREMENTS

GENERAL INFORMATION

A student who expects to transfer to the University of California or another institution maintaining equivalent standards must meet three principal kinds of requirements in order to attain full junior standing. These requirements are:

1. The removal of all matriculation (entrance) deficiencies.
2. The completion of the specific requirements for junior standing in the proposed senior college.
3. The completion of the lower division prerequisites for the upper division major and minors. These prerequisites vary according to the major and minors selected and also according to the institution in which the student expects to enroll. All students expecting to transfer to some other college or university should consult the catalogue of such institution regarding specific requirements for upper division standing. It is highly desirable that every student decide upon a major as early as possible after entering the junior college. The basic junior standing requirements in certain fields of some of California's colleges and universities are here presented.

UNIVERSITY OF CALIFORNIA

College of Letters and Science

The degree of Associate in Arts will be granted on the completion of not less than 60 units of college work with a "C" average and the fulfillment of the following general and specific requirements:

- A. General University requirements
 - Subject A or its equivalent
 - Hygiene, two units
 - Physical education, 4 semesters
- B. Foreign Languages
 - At least 16 units in not more than two languages, with not less than 4 units in any one language. The first two years of high

school work in a foreign language will be counted in satisfaction of 4 units of this requirement and each year thereafter as 4 units.

C. Mathematics

Elementary algebra and plane geometry. If these subjects have not been completed in high school, or if they were completed during the tenth, eleventh, or twelfth years with a grade of "D", they must be taken in the junior college without college transfer credit.

D. Natural Science

At least 12 units chosen from the following:

High school physics*, 3 units (1 high school credit)

High school chemistry*, 3 units (1 high school credit)

Bacteriology 1*

Botany 1*

Chemistry 1a*, 1b*, 5*, 8

Geography 1

Geology 1a, 1b

Paleontology 10

Physics 1a*, 1b*, 1c*, 1d*, 2a*, 2b*, 3a*, 3b*, 10

Physiology 1a, 1c*

Zoology 1a*, 1b*, 10

The student must include among the courses taken in satisfaction of the requirement in natural science at least one course in laboratory science. Such courses are marked with an asterisk.

E. Additional—a sequence (of 5 or 6 units) in subjects of college level, in each of four of the following six groups, one of which may be postponed to the upper division.

1. English 1a-1b, Speech 1a-1b
2. Foreign language (additional to B). This may be satisfied by one college course of four units or by two years of high school Latin.
3. Mathematics. Any two courses chosen from the following groups: High school trigonometry or Mathematics C or 2, 3a, 3b.
4. Social Sciences. History 4a-4b, History 8a-8b, History 17a-17b, Economics 1a-1b, Geography 1-2 (if not included in requirement D), Political Science 5-2, Sociology 1a-1b; (Psychology 1a-33 may be offered in satisfaction of group 4 by special petition).
5. Philosophy 6a-6b.

6. Fine Arts. English 4a, 4b, 5a, 5b; Art 19; Music 10, 16a, 16b. This may be satisfied by two or more courses which may or may not form a sequence.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

College of Letters and Science

The degree of Associate in Arts and admission to Upper Division will be granted upon completion of not less than 60 units of college work with a "C" average and upon fulfillment of the following requirements:

- A. General University requirements
Subject A or its equivalent
Physical Education, 4 semesters
Hygiene, 2 units
- B. Foreign Language. At least 16 units in not more than two languages
 1. The first two years of high school work in a foreign language will be counted in satisfaction of 4 units of this requirement and each year thereafter as 4 units. Only work of grade "C" or higher may be counted.
 2. If a new language is begun on the college level it will not apply on this requirement unless at least 2 semesters are completed.
- C. Mathematics
Elementary algebra and plane geometry. If these subjects have not been completed in high school or if they were completed during the tenth, eleventh, or twelfth years with a grade of "D", they must be taken in the junior college without college transfer credit.
- D. English composition. (English 1a)—3 units.
At least 3 units with a grade of "C" or better.
- E. Natural Sciences
 1. At least 5 units in physical science chosen from the following:
Chemistry 1a
Geography 1
Geology 1a, 1b
Mathematics C, D or 1, 3a
Meteorology 1
Physics 1a, 1b, 1c, 1d, 2a, 2b, 10
 2. At least 5 units in biological science chosen from the following:

Bacteriology 1
Botany 1
Zoology 1a, 1b

F. Social Sciences

1. A 6 unit year course in history chosen from the following:
History 4a-4b, 17a-17b, 8a-8b
2. At least 6 units in social sciences exclusive of history chosen from the following:
Economics 1a
Geography 2
Political Science 5, 2
Psychology 1a
Sociology 1a

G. Humanities. Two of the following three groups

1. Literature (English 5a-5b)
2. Philosophy 6a-6b
3. The Arts. At least 4 units selected from the following:
Music 10, 16a, 16b. Art 6a, 6b

UNIVERSITY OF CALIFORNIA AT LOS ANGELES

College of Applied Arts

This college, established to meet the needs of certain technical and professional fields, offers degree majors in art, music, the theater arts, business education, home economics, and physical education, and non-degree curricula in prenursing, preoptometry, preoccupational therapy, and pre-public health.

The degree of Associate in Arts and admission to Upper Division will be granted upon completion of not less than 60 units of college work with a "C" average and upon completion of the following requirements:

A. General University Requirements

Subject A or its equivalent
Physical Education, 4 semesters
Hygiene, 2 units

B. EITHER:

B1) Foreign Language. At least 16 units in one foreign language. The first two years of high school work in a foreign language will be counted in satisfaction of 4 units of this requirement and each year thereafter as 4 units. Only work of grade "C" or higher may be counted.

OR

B2) Natural Science. At least 12 units chosen from the following:

Bacteriology 1*

Botany 1*

Chemistry 1a*, 1b*, 5*, 8, 9*

Geography 1, 2

Geology 1a, 1b

Meteorology 1

Physics 1a*, 1b*, 1c*, 1d*, 2a*, 2b*, 10

Zoology 1a*, 1b*

The student must include among the courses taken in satisfaction of this requirement at least one course in laboratory science. Such courses are marked with an asterisk.

OR

B3) A combination of foreign language and natural science to be distributed as follows:

Foreign Language. At least 16 units in not more than two languages. The first two years of high school work in a foreign language will be counted in satisfaction of 4 units of this requirement and each year thereafter as 4 units. Only work of grade "C" or higher may be counted. If a new language is begun on the college level it will not apply on this requirement unless at least 2 semesters are completed.

Natural Science. At least 9 units chosen from the natural science list above, including at least 1 unit in laboratory work.

C. Mathematics

Elementary algebra and plane geometry. If these subjects have not been completed in high school, or if they were completed during the tenth, eleventh, or twelfth years with a grade of "D", they must be taken in the junior college without college transfer credit.

D. Three Year courses chosen from three of the following seven groups, one sequence to be selected from Groups 1, 2, or 3.

1. English, Speech

English 1a-1b

Speech 1a-1b

English 1a and Speech 1a

2. Foreign language. Courses offered in satisfaction of this requirement may not include any of the work offered as

part of requirement "B" above. No high school work may be counted on this requirement.

French 1a, 1b, 1c, 1d (any two consecutive courses)

German 1a, 1b, 1c, 1d (any two consecutive courses)

Spanish 1a, 1b, 1c, 1d (any two consecutive courses)

3. Mathematics. Any two of the following courses:
Mathematics C, D or 1, 3a, 3b, 4a, 4b
4. Social Sciences:
Economics 1a-1b
Geography 1-2
History 4a-4b, 17a-17b, 8a-8b
Political Science 5, 2
Sociology 1a-1b
5. Psychology 1a, 33
6. Philosophy 6a-6b
7. Music, Art (acceptable only when the sequence is not the student's major)
Art 6a-6b
Music 4a-4b, 12-13, 16a-16b

STANFORD UNIVERSITY

The work of the lower division at Stanford University is divided into three study areas. All students are required to take at least ten semester units (fifteen quarter units) in each of these three groups during the first two college years.

General requirements:

Four semesters of Physical Education

Group I—Humanities:

- (a) The completion in college of a second year reading course of a foreign language, or of a more advanced foreign language course.
- (b) Subject A or its equivalent
- (c) English 1a-1b
- (d) Electives to make up a total of ten units in this group if the above requirements have not totaled that number

Group II—Natural Science, Mathematics:

- (a) A year course in a laboratory science during the first year
 1. Biology 1a-1b for those who have completed a year of high school Physics or Chemistry only
 2. Physics 1a-1b or Chemistry 1a-1b for those who have completed a year of Biological Science only

3. Biology 1a-1b and Physics 1a-1b or Chemistry 1a-1b for those who have completed neither in high school
4. Biology 1a-1b, Physics 1a-1b, or Chemistry 1a-1b for those who have completed a year of both high school Biological Sciences and Chemistry or Physics

(b) Electives to make up a total of ten units in this group

Group III—Social Science:

- (a) First year: A year course (6 units) in History of Western Civilization (History 4a-4b)
- (b) Second year: A year sequence course in Sociology 1a-1b, Economics 1a-1b, Political Science 5-2, or Philosophy 6a-6b, or a combination of any two of the following: Sociology 1a, Psychology 1a, Political Science 2.

UNIVERSITY OF SOUTHERN CALIFORNIA

The first two years in the College of Letters, Arts, and Sciences are devoted to general education and certain lower division subjects required of all students who are candidates for the Bachelor of Arts degree.

- A. Art Appreciation (Art 19) or Music Appreciation (Music 10), 2 units. (Students who transfer with 60 or more units may substitute 2 units of electives in fine arts or music).
- B. English 1a-1b, 6 units.
- C. Foreign Language (French, German, or Spanish), 12 units. Twelve units in a single language. A student may enroll in the college course for which his previous high school training has prepared him. However, the student must complete the twelve unit requirement in college work; no unit credit is allowed for work below the college level.
- D. General Studies, 14 units.
 1. Man and Civilization (History 4a-4b), 6 units. Students who transfer with 60 units may substitute 6 units in social studies but these units may not be substituted also for item 3 below).
 2. Three units to be selected from:
 - a. Problems of Human Behavior (Psychology 1a), 3 units
 - b. Problems of Human Values (Philosophy 6a), 3 units (Students who transfer with 60 units of advanced standing may substitute 3 units of Psychology for "a" or 3 units of Philosophy for "b").
 3. United States History including the study of American in-

stitutions and ideals. This requirement for the degree may be met by History 10, History 8a-8b, or History 17a-17b and Political Science 5.

- E. Literature (English 4a-4b or 5a-5b), 6 units.
- F. Physical Education, 2 units.
- G. Health Education (Hygiene 1 or Hygiene 2), 2 units.
- H. Science, 11 units.

Courses may be chosen from the following offered at College of the Sequoias: Astronomy 10, Bacteriology 1, Botany 1a-1b, Chemistry 1a-1b, Geology 1a or 1b, Physics 1a-1b or 2a-2b plus 3a-3b or 10, Zoology 1a-1b or 10.

The student must include at least 3 units in laboratory courses. Each high school unit of chemistry or physics with laboratory may count as 3 units toward the fulfillment of this requirement.

CALIFORNIA STATE COLLEGES

There are several variations in the lower division requirements in the state colleges. The student should consult the major department requirements in the catalogue of the particular college which he intends to enter.

FRESNO STATE COLLEGE

The curriculum leading to the A.B. Degree at Fresno State College includes:

- A. English and Speech (both oral and written), 6 units.
English 1a and Speech 1a.
- B. Mathematics.
Elementary algebra and plane geometry. If not completed in high school, these courses must be completed in college.
- C. Science, 9 units.
Both physical and biological science must be included.
- D. Social Science, 12 units.
The combination of History 10 and Political Science 5, or History 8a-8b and Political Science 5, or History 17a-17b and Political Science 5 may be offered in satisfaction of the degree requirement for American institutions and ideals. Geography 1 is required of all elementary education majors.
- E. Psychology 1a, 3 units.
- F. Physical Education (four semesters of one-half unit each).
- G. Hygiene, 2 units.
- H. Literature, Philosophy, the Arts, Foreign Language, and Mathematics, 9 units. At least three units must be included in Literature or Philosophy.

SAN JOSE STATE COLLEGE

The curriculum leading to the A.B. Degree at San Jose State College includes:

- A. English and Speech, 6 units. (English 1a, Speech 1a).
- B. Literature, Philosophy, or the Arts, 8 units. At least three units must be taken in Literature or Philosophy.
- C. Natural Science, 9 units, including both Physical and Biological Sciences.
- D. Social Science, 9 units. History 17a-17b or History 8a-8b or History 10, and Political Science 5 are required. Geography 1 is required of all education majors.
- E. Physical Education, 2 units; Hygiene, 2 units.
- F. General Psychology, 3 units (Psychology 1a).
- G. Electives in General Education, 6 units. Electives may be additional courses in any of the above areas or foreign language, marriage and family life, or mathematics.

SUGGESTED PROGRAMS

AGRICULTURE

Instruction is offered in three major divisions: plant science, animal science, and agricultural mechanics. Courses are designed to prepare students for farming or for jobs requiring practical agricultural training.

Students who plan to transfer to the University of California, to California State Polytechnic College, or to Fresno State College for degree work in agriculture may take their first two years at the College of the Sequoias. Because of the variations in the lower division requirements of the four-year schools, transfer students should consult a counselor in planning their programs.

The one hundred sixty acre farm laboratory owned by the college is available for demonstration and laboratory work. Animal units including dairy, beef, sheep, swine, and poultry are kept at the farm. Crops including alfalfa, permanent pasture, cotton, corn, cereal crops, and deciduous fruits are provided for practical field work.



SUGGESTED TWO YEAR COURSE

Plant Science

	FALL	SPRING
English	3	3
Pol. Sci. 5 or 51.....		3
History 10 or 51.....	3	
Hygiene	2	
P. E.		1
Botany 10.....	3	
Agronomy 1		2
Pomology 2		3
Viticulture 1	2	
Agriculture 58a-58b	3	2
Agriculture 82	3	
Agriculture 84		2
Agriculture 87		4
Agriculture 88	4	
Agriculture 90		4
Agriculture 91		2
Agriculture 92	2	
Agriculture 99	1	
Electives	3	4
	30	30

Animal Science

	FALL	SPRING
English	3	3
Pol. Sci. 5 or 51		3
Hist. 10 or 51	3	
Hygiene	2	
P. E.		1
Zoology 10	3	
Animal Husbandry 7....	4	
Animal Husbandry 8....	1	
Agriculture 58a-58b	3	2
Agriculture 65		4
Agriculture 74	1	
Agriculture 84		2
Agriculture 87		4
Agriculture 90		4
Agriculture 91		2
Agriculture 92	2	
Meat Animal Majors		
Agriculture 72		2
Agriculture 75		3
Agriculture 76	3	
Agriculture 99	1	
Electives	3	
	30	30

Dairy Majors

Agriculture 60	4	
Agriculture 63	3	
Agriculture 64		2
Agriculture 99		1
Electives		2
	30	30





ART

Art offerings at the College of the Sequoias are designed to give maximum opportunities to both terminal and transfer students. These courses also provide basic training for students wishing to equip themselves for a vocation as well as for those who may enter other fields but desire to enrich their understanding and appreciation of art.

Transfer students may not be able to follow the suggested outline exactly because of the academic requirements of the University or special art school to which they wish to transfer. Art transfers are asked to secure guidance from their advisors in planning their program.

Suggested Program at State Colleges

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Art 6a	2	Art 6b	2
Art 7a	2	Art 7b	2
Political Science 5	3	History 10	3
Natural Science	3	Natural Science	3
English 1a	3	English 1b	3
Engineering 52	2	Electives—General Education	2
Physical Education	½	Physical Education	½
15½		15½	
SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Art 19	2	Art 12 or 14	2
Art 12 or 14	2	Art 25 or 29	2
Art 23 or 24	2	Natural Science	3
Social Science Elective	3	Speech 1a	3
Hygiene	2	Psychology 1a	3
Electives—General Education	2	Electives—Minor	2
Electives—Minor	2	Physical Education	½
Physical Education	½	15½	
15½			

SUGGESTED TWO YEAR COURSE

Plant Science

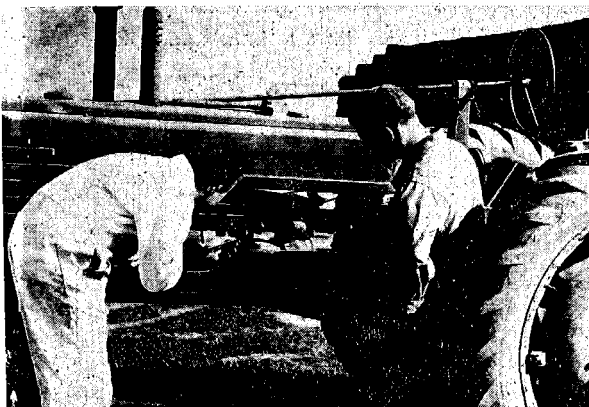
	FALL	SPRING
English	3	3
Pol. Sci. 5 or 51.....		3
History 10 or 51.....	3	
Hygiene	2	
P. E.	1	1
Botany 10.....	3	
Agronomy 1		2
Pomology 2		3
Viticulture 1	2	
Agriculture 58a-58b.....	3	2
Agriculture 82	3	
Agriculture 84		2
Agriculture 87		4
Agriculture 88	4	
Agriculture 90		4
Agriculture 91		2
Agriculture 92	2	
Agriculture 99	1	
Electives	3	4
	—	—
	30	30

Animal Science

	FALL	SPRING
English	3	3
Pol. Sci. 5 or 51		3
Hist. 10 or 51	3	
Hygiene	2	
P. E.	1	1
Zoology 10	3	
Animal Husbandry 7....	4	
Animal Husbandry 8....	1	
Agriculture 58a-58b	3	2
Agriculture 65		4
Agriculture 74	1	
Agriculture 84		2
Agriculture 87		4
Agriculture 90		4
Agriculture 91		2
Agriculture 92	2	
Meat Animal Majors		
Agriculture 72		2
Agriculture 75		3
Agriculture 76	3	
Agriculture 99	1	
Electives	3	
	—	—
	30	30

Dairy Majors

Agriculture 60	4	
Agriculture 63	3	
Agriculture 64		2
Agriculture 99		1
Electives		2
	—	—
	30	30





ART

Art offerings at the College of the Sequoias are designed to give maximum opportunities to both terminal and transfer students. These courses also provide basic training for students wishing to equip themselves for a vocation as well as for those who may enter other fields but desire to enrich their understanding and appreciation of art.

Transfer students may not be able to follow the suggested outline exactly because of the academic requirements of the University or special art school to which they wish to transfer. Art transfers are asked to secure guidance from their advisors in planning their program.

Suggested Program at State Colleges

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Art 6a	2	Art 6b	2
Art 7a	2	Art 7b	2
Political Science 5	3	History 10	3
Natural Science	3	Natural Science	3
English 1a	3	English 1b	3
Engineering 52	2	Electives—General Education	2
Physical Education	½	Physical Education	½
15½		15½	

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Art 19	2	Art 12 or 14	2
Art 12 or 14	2	Art 25 or 29	2
Art 23 or 24	2	Natural Science	3
Social Science Elective	3	Speech 1a	3
Hygiene	2	Psychology 1a	3
Electives—General Education	2	Electives—Minor	2
Electives—Minor	2	Physical Education	½
Physical Education	½	15½	
15½			



BUSINESS

Modern business as it becomes increasingly complex requires beginning workers with an understanding of business and its relationship to society as a whole. Those students with a basic knowledge of the organizational structure of business and its functions and with a mastery of those skills required of the entering business worker will find their places more quickly and easily in the business environment. While each type of business has characteristics exclusively its own, the fundamental problems of and principles underlying business present great similarities.

Students of business should register for those courses which will provide them with a foundation upon which, through actual experience in the business world, they may expand their knowledge and thus progress in the careers of their choice.

Students may elect one of the five major study fields of the Business Department: Accounting, general business, merchandising, secretarial, and pre-business administration.

All college transfer courses listed for the Business Department parallel in content those same lower division courses offered at the state colleges and universities. Many of the state colleges will accept for transfer credit any of the business courses regardless of the course number, although they will transfer only the number of units which they allow were the course to be completed on their campuses.

In the terminal business classes students are encouraged to work to capacity and to progress as rapidly as is consistent with the business standards required. The skill-building classes in shorthand and typewriting allow placement of the student at the speed level corresponding to the maximum speed previously attained. Progression is determined by speed rather than by course sequence.

Adults are urged to attend the regular day or evening business classes for training in any skills which they need to qualify them for upgrading and promotion or for qualifying for civil service examinations. Special American Institute of Banking classes are offered each year for the bank employees of the area.

**Suggested College Transfer Pre-Business
Administration Program**

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 1a	4	Business 1b	4
Business 18	3	Psychology 1a	3
Natural Science	4	Natural Science	4
English 1a	3	English 1b	3
Hygiene	2	Physical Education	1½
Physical Education	½		
	-----		-----
	16½		14½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Economics 1a	3	Economics 1b	3
Foreign Language	4	Foreign Language	4
Speech 1a	3	Speech 1b	3
History 10	3	Political Science 5	3
Geography 1	3	Mathematics 2	3
Physical Education	½	Physical Education	½
	-----		-----
	16½		16½

Recommended electives: Geography 2; others selected from those recommended by the college of the student's choice.



Suggested Two-Year (General Business Clerical) Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 60a (Typ.).....	2	Business 60b (Typ.)	2
Business 68a (Off. Machs.)..	2	Business 68b (Off. Machs.)..	2
Business 95 (Bus. Arith.)....	3	Business 96b (Bus. Corr.)....	3
Business 96a (Bus. Eng.).....	3	Business 10 (Mod. Bus.)....	3
Business 70a (Sales)	3	Business 70b (Sales)	3
Business 59a (Fil.)	1	Hygiene	2
Physical Education	1/2	Physical Education	1/2

14 1/2

15 1/2

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 61a (Typ.)	2	Business 61b (Typ.)	2
Business 93 (Law)	3	Business 69 (Mach. Trans.)	2
Business 98 (Bus. Psych.)....	3	Business 87 (Sec'l Acct.)....	2
Speech 51a	3	Speech 51b	3
History 10 or 51	3	Political Science 5 or 51	3
Physical Education	1/2	Electives	3
		Physical Education	1/2

14 1/2

15 1/2

Recommended electives: Business 13; Art 19; Home Economics 50a-50b, 51a-51b; Music 10; Sociology 26; Speech 40.

Suggested Two-Year Secretarial Program

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
*Business 50a, 51a, or 52a.... (Shthd.)	5	*Business 50b, 51b, or 52b.. (Shthd.)	5
*Business 60, 61, or 53a..... (Typ.)	2	*Business 60, 61, or 53b (Typ.)	2
Business 10 (Mod. Bus.)....	3	Business 59a (Fil.)	1
English, Speech 51 or Business 96a (Bus. Eng.)	3	English, Speech 51 or Business 96b (Bus. Corr.)	3
Business 68a (Off. Machs.)	2	Business 87 (Sec'l Acct.)....	2
Physical Education	$\frac{1}{2}$	Hygiene	2
	<u>15$\frac{1}{2}$</u>	Physical Education	<u>1$\frac{1}{2}$</u>
			<u>15$\frac{1}{2}$</u>

SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 52a (Shthd.)	5	Business 52b (Shthd.)	5
Business 53a (Transcr.)	2	Business 53b (Transcr.)	2
English or Speech 51	3	English or Speech 51	3
History 10 or 51	3	Business 58b (Sec'l Proc.)....	3
Business 58a (Off. Pract.)....	3	Political Science 5 or 51	3
Physical Education	$\frac{1}{2}$	Physical Education	<u>1$\frac{1}{2}$</u>
	<u>16$\frac{1}{2}$</u>		<u>16$\frac{1}{2}$</u>

*Students are registered in the shorthand and typewriting classes corresponding to the speed levels which they attain in the placement tests given in these subjects. Progression from an elementary to an advanced class is based upon speed attained and may not follow the course sequence indicated.

Recommended electives for the student who has acquired sufficient shorthand and typewriting skill in high school or the first year of college include: Business 13, 69, 93, 98; Art 10; Home Economics 50a-50b, 51a-51b; Music 10; Sociology 26; Speech 40.

Suggested One-Year Secretarial Program

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 51a or 52a (Shthd.)	5	Business 51b or 52b (Shthd)	5
Business 61a or 53a (Typ.)..	2	Business 61b or 53b (Typ.)..	2
Business 96a (Bus. Eng.)	3	Business 96b (Bus. Eng.)	3
English or Speech	3	English or Speech	3
Business 58a (Off. Prac.)....	3	Business 58b (Sec'l Proc.)....	3
Business 68a (Off. Machs.)..	2	Business 87 (Acct)	2
Physical Education	$\frac{1}{2}$	Business 59a (Fil.)	1
	<u>15$\frac{1}{2}$</u>	Physical Education	<u>1$\frac{1}{2}$</u>
			<u>16$\frac{1}{2}$</u>

MERCHANDISING

This curriculum is designed for the student who desires to fit himself for retail store work or selling in general. The training will qualify him for employment in both large and small organizations. Emphasis is placed upon practical retailing and selling. A close contact is maintained with business in order to supply the student with the training that business firms are demanding.

Suggested Two-Year Merchandising Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 70a (Sales.)	3	Business 70b (Sales.)	3
Business 72a (Merch.)	3	Business 72b (Merch.)	3
Business 73a (Coop.)	1 or 2	Business 73b (Coop.)	1 or 2
Business 96a (Bus. Eng.)	3	Business 96b (Bus. Corr.)	3
Electives	4 or 3	Business 60a or 62 (Typ.)	2
Physical Education	1/2	Electives	2 or 1
	<hr style="width: 50%; margin: 0 auto;"/>	Physical Education	1/2
	14 1/2		<hr style="width: 50%; margin: 0 auto;"/>
			14 1/2

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 80a (Acct.)	3	Business 80b (Acct.)	3
Business 18 or 93 (Law)	3	Business 10 (Mod. Bus.)	3
Hygiene	2	English or Speech	3
English or Speech 51	3	Political Science 5	3
History 10 or 51	3	Electives	3
Electives	1-2	Physical Education	1/2
Physical Education	1/2		<hr style="width: 50%; margin: 0 auto;"/>
	<hr style="width: 50%; margin: 0 auto;"/>		15 1/2
	15 1/2		

Suggested One-Year Merchandising Program

If the merchandising student desires to take only one year, then it is recommended that he follow the program suggested for Semesters 1 and 2 above.

The first year merchandising student working for an Associate in Arts degree need not take the courses in the exact order given. However, Business 70, 72, and 73 must be taken concurrently so that the student has the greatest opportunity to put into practice on the job material learned in the classroom.

Suggested Two-Year Accounting Program

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 80a or 1a (Acct.)	4	Business 80b or 1b (Acct.)	4
Business 60a or 61a (Typ.)	2	Business 60b or 61b (Typ.)	2
Business 98 (Bus. Psych.)	3	Business 22 (Bus. Math.)	2
*Economics 1a	3	Economics 1b	3
English or Business 96a (Bus. Eng.)	3	English or Business 96b (Bus. Corr.)	3
Electives	1	Electives	2
Physical Education	1/2	Physical Education	1/2
16 1/2		16 1/2	

*Business 10 (Modern Business) may be substituted for Economics 1a.

SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Business 81a (Acct.)	4	Business 81b (Acct.)	4
Speech or English	3	Speech 57 or English	3
Business 68a (Off. Machs.)	2	Business 68b (Off. Machs.)	2
Psychology 51 or 1a	3	Psychology 1a or 1b	3
Hygiene	2	Business 59a (Fil.)	1
History 10 or 51	3	Political Science 5 or 51	3
Physical Education	1/2	Physical Education	1/2
17 1/2		16 1/2	

Students who are preparing to qualify as Certified Public Accountants under the California Accountancy Act should include: Business 18 (Business Law).

DENTISTRY, MEDICINE AND PHARMACY

DENTISTRY

University of California at Berkeley and at Los Angeles

The College of Dentistry offers a program leading to the degree of Doctor of Dental Surgery, based upon two years of college pre-dental work.

Suggested Program

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a	3	English 1b	3
Chemistry 1a	5	Chemistry 1b	5
Zoology 1a	4	Zoology 1b	4
History 17a	3	History 17b	3
Physical Education	1/2	Physical Education	1/2
15 1/2		15 1/2	

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 8	3	Chemistry 9	3
Physics 2a	3	Physics 2b	3
Physics 3a	1	Physics 3b	1
Political Science 5	3	Political Science 2	3
English 5a or Philosophy 6a	3	English 5b or Philosophy 6b	3
Elective	2	Hygiene	2
Physical Education	1/2	Physical Education	1/2
	<hr/>		<hr/>
	15 1/2		15 1/2

University of Southern California

The College of Letters, Arts and Sciences offers a program leading to the degree of Bachelor of Science in dentistry, based upon two years of college pre-dental work.

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a	5	Chemistry 1b	5
Foreign Language	4	Foreign Language	4
History 10	3	Political Science 5	3
Zoology 1a	4	Zoology 1b	4
Physical Education	1/2	Physical Education	1/2
	<hr/>		<hr/>
	16 1/2		16 1/2

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 8	3	Chemistry 9	3
Foreign Language	4	Hygiene	2
History 4a	3	History 4b	3
Physics 2a	3	Physics 2b	3
Physics 3a	1	Physics 3b	1
English 1a	3	English 1b	3
Physical Education	1/2	Art 25a	1
	<hr/>	Physical Education	1/2
	17 1/2		<hr/>
			16 1/2

MEDICINE

University of California at Berkeley and at Los Angeles

MEDICINE

University of California at Berkeley and at Los Angeles

Suggested Program

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a	5	Chemistry 1b	5
English 1a	3	English 1b	3
Foreign Language or Elective	4	Foreign Language or Elective	4
History 17a	3	History 17b	3
Physical Education	1/2	Physical Education	1/2
	<u>15 1/2</u>		<u>15 1/2</u>

SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Zoology 1a	4	Zoology 1b	4
Chemistry 5	3	Chemistry 8	3
Political Science 5	3	Hygiene	2
Philosophy 6a	3	Philosophy 6b	3
English 5a	3	English 5b	3
Physical Education	1/2	Physical Education	1/2
	<u>16 1/2</u>		<u>15 1/2</u>

University of Southern California

Suggested Program

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a	5	Chemistry 1b	5
English 1a	3	English 1b	3
Foreign Language	4	Foreign Language	4
Zoology 1a	4	Zoology 1b	4
Physical Education	1/2	Physical Education	1/2
	<u>16 1/2</u>		<u>16 1/2</u>

SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 8	3	Chemistry 5	3
Chemistry 9	3	Elective	3
Physics 2a	3	Physics 2b	3
Physics 3a	1	Physics 3b	1
History 10	3	Political Science 5	3
Elective	2	Hygiene	2
Physical Education	1/2	Physical Education	1/2
	<u>15 1/2</u>		<u>15 1/2</u>

PHARMACY

University of California at Berkeley and at Los Angeles

The School of Pharmacy offers a four-year course leading to the degree of Bachelor of Science in pharmacy, based upon one year of college pre-pharmacy work.

Suggested Program

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a	3	English 1b	3
Chemistry 1a	5	Chemistry 1b	5
Economics 1a	3	Economics 1b	3
Elective	4	Botany 1	5
Physical Education	1/2	Physical Education	1/2
15 1/2		16 1/2	

This program will be available only to those students who plan to transfer to the School of Pharmacy in September, 1957.

After that date, only the degree of Doctor of Pharmacy will be offered, based upon two years of college pre-pharmacy work.

Suggested Program

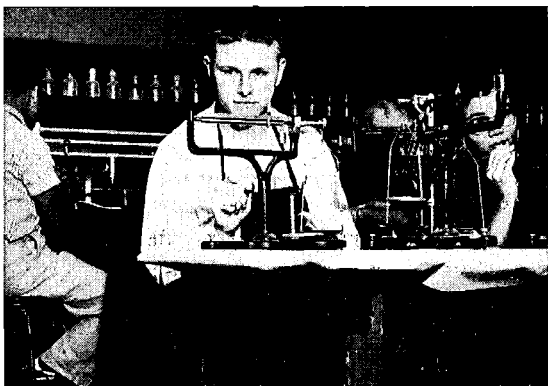
FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a	3	English 1b	3
Chemistry 1a	5	Chemistry 1b	5
Economics 1a	3	Economics 1b	3
Elective	3	Botany 1	5
Physical Education	1/2	Physical Education	1/2
14 1/2		16 1/2	

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Zoology 1a	4	Zoology 1b	4
Physics 2a	3	Physics 2b	3
Physics 3a	1	Physics 3b	1
Mathematics 3a	3	Mathematics 3b	3
History 10	3	Political Science 5	3
Physical Education	1/2	Physical Education	1/2
14 1/2		14 1/2	

MEDICINE

University of California at Berkeley and at Los Angeles



University of Southern California

The School of Pharmacy offers a four-year course leading to the degree of Doctor of Pharmacy, based upon two years of college Pre-pharmacy work.

Suggested Program

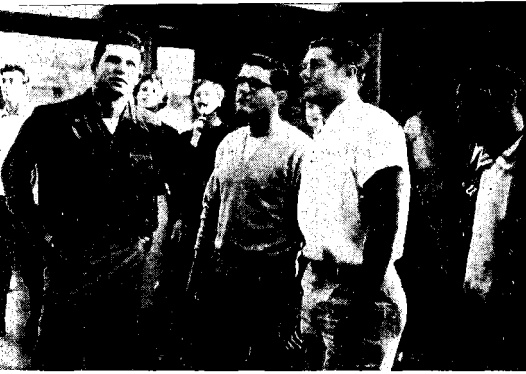
FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a	5	Chemistry 5	3
English 1a	3	English 1b	3
History 4a	3	History 4b	3
Political Science 5	3	Economics 1a	3
Physical Education	1/2	Hygiene	2
	14 1/2	Physical Education	1/2
			14 1/2

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Zoology 1a	4	Zoology 1b	4
Economics 1b	3	History 10	3
Physics 2a	3	Physics 2b	3
Physics 3a	1	Physics 3b	1
Psychology 1a	3	Elective	4
Elective	2	Physical Education	1/2
Physical Education	1/2		
	16 1/2		15 1/2

Mathematics C and Mathematics D must be included in the pre-pharmacy program if they were not completed in high school.



EDUCATION

The State of California requires a credential of the proper type for teaching in the public schools. Among the credentials issued are the Kindergarten-Primary, General Elementary, Junior High School, Special Secondary, General Secondary, and Junior College. Students planning to secure one of these credentials should follow the lower division program of the institution to which they wish to transfer.

Suggested Program for Elementary Education at the State Colleges

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a	3	English 1b	3
Political Science 5	3	Education 30	2
Botany 10	3	History 10	3
Art or Music Elective	2	Zoology 10	3
Music 21	1	Hygiene	2
Electives	3	Music 9	3
Physical Education	1/2	Physical Education	1/2
15 1/2		16 1/2	

SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Geography 1	3	Social Science Elective	3
Science Elective	3	Art 5	2
Psychology 1a	3	Industrial Arts 30	2
Speech 1a	3	Art or Music Elective	2
Mathematics 10	3	Electives (Minor)	6
Physical Education	1/2	Physical Education	1/2
15 1/2		15 1/2	

ENGINEERING

College of the Sequoias offers to the student of engineering a two year course that will enable him to receive the Associate in Arts degree and complete a program that is comparable to the first two years of many other institutions. In order to do this the student must have completed a college preparatory course in high school which included four years of mathematics and chemistry and physics. If he does not have these prerequisites, he should plan to spend more than two years completing his lower division work.

Suggested Transfer Programs

	FIRST YEAR				
	MECHANICAL	CIVIL	ELECTRICAL	CHEMICAL	ELECTRONIC
FIRST SEMESTER					
Mathematics 3a	3	3	3	3	3
Chemistry 1a	5	5	5	5	
Physics 1a	3	3	3	3	3
English 1a					3
Physics 19a					3
Physics 23a					1
Engineering 22	2	2	2	2	2
Mathematics 1	3	3	3	3	
Mathematics 20	2	2	2	2	
Physical Education	1/2	1/2	1/2	1/2	1/2
Totals	18 1/2	18 1/2	18 1/2	18 1/2	18 1/2
	MECHANICAL	CIVIL	ELECTRICAL	CHEMICAL	ELECTRONIC
SECOND SEMESTER					
Mathematics 3b	3	3	3	3	3
Chemistry 1b		5		5	
Physics 1b	3	3	3	3	3
Physics 19b					3
Physics 23b					1
Engineering 23	2		2		2
Chemistry 8	3		3	3	
English 1a	3	3	3		
History 10				3	3
Hygiene	2	2	2		2
Physical Education	1/2	1/2	1/2	1/2	1/2
Totals	16 1/2	16 1/2	16 1/2	17 1/2	17 1/2

SECOND YEAR

	MECHANICAL	CIVIL	ELECTRICAL	CHEMICAL	ELECTRONIC
FIRST SEMESTER					
Mathematics 4a	3	3	3	3	3
Chemistry 8				3	
Physics 1c	3	3	3	3	3
Engineering 1a	3	3	3		
Physics 20a			3		3
German 1a				4	
Mathematics 19a					2
Chemistry 9				3	
Political Science 5		3			3
History 10	3	3	3		
Engineering 8	2	2	2		
Mechanics 64a					3
Electives	3				1
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Totals	$17\frac{1}{2}$	$17\frac{1}{2}$	$17\frac{1}{2}$	$16\frac{1}{2}$	$18\frac{1}{2}$

	MECHANICAL	CIVIL	ELECTRICAL	CHEMICAL	ELECTRONIC
SECOND SEMESTER					
Mathematics 4b	3	3	3	3	3
Chemistry 5				3	
Physics 1d	3	3	3	3	
Engineering 1b		3			
Physics 20b			3		3
German 1b				4	
Mathematics 19b					2
Geology		3			
Political Science 5	3		3	3	
Engineering 24	2				2
Engineering 35	3	3	3		3
Hygiene				2	
Mechanics 64b					3
Electives	3	2	2		
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Totals	$17\frac{1}{2}$	$17\frac{1}{2}$	$17\frac{1}{2}$	$18\frac{1}{2}$	$16\frac{1}{2}$

HOME ECONOMICS

Suggested Transfer Program University of California at Davis

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a	5	Chemistry 8	3
Home Economics 10a	3	Home Economics 10b	3
Home Economics 15	1	Nutrition 8	2
Art 6a	2	Art 6b	2
English 1a	3	English 1b	3
Home Economics 26	2	History 10	3
Physical Education	½	Physical Education	½
	<hr/>		<hr/>
	16½		16½

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Home Economics 12a	3	Home Economics 12b	3
Political Science 5	3	Physiology 1a	3
Hygiene 2	2	Physiology 1c	1
Psychology 1a	3	Economics 1b	3
Economics 1a	3	Zoology 10	3
Bacteriology 1	4	Home Economics 13	2
Physical Education	½	Physical Education	½
	<hr/>		<hr/>
	18½		15½



Suggested Transfer Program to State Colleges

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English 1a	3	English 1b	3
Home Economics 10a	3	Home Economics 10b	3
Art 6a	2	Hygiene 2	2
Nutrition 8	2	Speech 1a	3
Home Economics 15	1	History 10	3
Chemistry 2a	3	Chemistry 2b	3
Home Economics 26	2	Physical Education	1/2
Physical Education	1/2		
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	16 1/2		17 1/2

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Home Economics 12a	3	Home Economics 12b	3
Political Sciences	3	Physiology 1a	3
Bacteriology 1	4	Physiology 1c	1
Economics 1a	3	Economics 1b	3
Psychology 1a	3	Psychology 1b	3
Physical Education	1/2	Home Economics 13	2
	<hr style="width: 50%; margin: 0 auto;"/>	Physical Education	1/2
	16 1/2		<hr style="width: 50%; margin: 0 auto;"/>
			15 1/2



LAW ENFORCEMENT

This curriculum is designed to train men and women for public service in law enforcement agencies.

In addition to the general requirements for admission to the College the student must possess certain basic qualifications including a satisfactory scholastic record in high school, and the intelligence, aptitude and normal integrity required for success as a law enforcement officer.

In-service training is provided in this curriculum for men or women already employed by any law enforcement agency. This type of student may enroll, upon consultation with the instructor, for the entire course or for those subjects in which he is interested.

The two-year terminal course as outlined below fulfills the requirements for the degree of Associate in Arts. The student who is planning to complete his training at a college or university should consult with his faculty adviser for proper programming.

Suggested Two-Year Program in Law Enforcement

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
English	3	Speech	3
History 10 or 51	3	Political Science 5 or 51	3
Political Science 10a	3	Political Science 10b	3
Law Enforcement 51	2	Law Enforcement 52	2
Electives	4	Law Enforcement 54	2
Physical Education	1/2	Electives	2
	-----	Physical Education	1/2
	15 1/2		-----
			15 1/2
SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Psychology	3	Natural Science	4
Hygiene	2	Law Enforcement 50b	2
Law Enforcement 50a	2	Law Enforcement 53	4
Law Enforcement 55	3	Law Enforcement 57	3
Law Enforcement 58a	2	Law Enforcement 58b	2
Electives	3	Physical Education	1/2
Physical Education	1/2		-----
	-----		15 1/2
	15 1/2		

MUSIC

The following courses are offered to the student majoring in music to enable him to obtain the Associate of Arts degree and complete a program that is comparable to the first two years of many other institutions. Besides the music courses listed below, the music major should carry 45 units of general education work in line with the graduation requirements established by the College of the Sequoias and the lower division program of the institution to which they wish to transfer.

Music Transfer to State Colleges

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Music 4a (musicianship)....	1	Music 4b (musicianship)....	1
Music 12a (beginning theory)	3	Music 12b (beginning theory)	3
*Music 7, 8, 18, 19 (ensemble)	1	*Music 7, 8, 18, 19 (ensemble)	1
English 1a	3	English 1b	3
Science	3	Political Science 5	3
History 10	3	Science	3
Electives	2	Physical Education	1/2
Physical Education	1/2		-----
	-----		14 1/2
	16 1/2		

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Music 5a (adv. musicianship)	1	Music 5b (adv. musicianship)	1
Music 14a (adv. theory)....	3	Music 14b (adv. theory)	3
*Music 7, 8, 18, 19 (ensemble)	1	*Music 7, 8, 18, 19 (ensemble)	1
Speech 1a	3	Psychology 1a	3
Science	3	Hygiene	2
Social Science Elective	3	General Education Electives	5
Elective	2	Physical Education	1/2
Physical Education	1/2		-----
	-----		15 1/2
	14 1/2		

*All music majors are required to participate in at least one music ensemble group per semester according to their individual interests. Choose from Music 7abcd—orchestra, Music 8abcd—choir, Music 18ab—marching

band, and music 19ab—concert band.

In addition to the above it is recommended that music majors choose electives from the following courses: Music 1ab—beginning strings, class instruction; music 3ab—beginning woodwinds, class instruction; music 6ab—beginning brass and percussion, class instruction; music 20—opera appreciation; music 21—beginning piano, class instruction; and music 22ab—intermediate piano, class instruction.

Music majors should not take Music 10.

NURSES' TRAINING

Students may obtain nursing education either in (a) hospitals operated by universities (University of California, University of California at Los Angeles, or Stanford) or in (b) hospital training schools. For admission to the former, the student must obtain regular junior standing in the university to which transfer is desired and must complete certain pre-nursing courses. Both the Bachelor of Science degree and the Registered Nurse Certificate will be granted upon the completion of three years of university study after attaining junior standing.

Before admission to hospital training schools, the student is advised to complete at least thirty units of a college pre-nursing course with a "C" average.

A thirty-six month training program in a school of nursing is required by the California State Board of Nurse Examiners. An exception is made in some schools which allow nine months time credit for work completed in the junior college.

An applicant must be at least eighteen years of age, must be a high school graduate, and must have completed satisfactorily a course in general chemistry. Most schools of nursing are now requiring at least a year, and recommending two years, of college work for entrance. This preparation should include science, psychology, and English.

Students are urged to visit schools of nursing in order to obtain details of hospital school requirements and to make their choices before enrolling in college courses. Many hospital schools have specific subject requirements which must be met.

Universities and University Hospital Training Schools

This suggested program leads to a Bachelor of Science degree and a certificate of nursing.

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 1a	5	Bacteriology 1	4
English 1a	3	English 1b	3
History 17a or 8a	3	History 17b or 8b	3
Foreign Language or elective	4	Foreign Language or elective	4
Physical Education	$\frac{1}{2}$	Hygiene 2	2
	—————	Physical Education	$\frac{1}{2}$
	15 $\frac{1}{2}$		—————
			16 $\frac{1}{2}$

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Anatomy 1	4	Physiology 1a and 1c	5
English 5a or Philosophy 6a	3	English 5b or Philosophy 6b	3
Sociology 1a	3	Political Science 5	3
Psychology 1a	3	Elective (Psychology 33 recommended)	3
Nutrition 8	2	Physical Education	$\frac{1}{2}$
Physical Education	$\frac{1}{2}$		—————
	—————		14 $\frac{1}{2}$
	15 $\frac{1}{2}$		

Hospital Training Schools

Either of the following programs is acceptable foundation work for the training course in a Hospital School of Nursing. The two-year program is recommended.

Suggested Two-Year Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 53	3	Bacteriology 2	4
History 10 or 51	3	Political Science 5 or 51	3
English	3	English	3
Hygiene 2	2	Electives	4
Electives	4	Physical Education	$\frac{1}{2}$
Physical Education	$\frac{1}{2}$		—————
	—————		14 $\frac{1}{2}$
	15 $\frac{1}{2}$		

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Anatomy 1	4	Physiology 1a, 1c	5
Psychology 51 or 1a	3	Psychology 1a or 1b	3
Sociology 1a	3	Sociology 1b	3
Speech 1a	3	Nutrition 8	2
Electives	2	Electives	2
Physical Education	1/2	Physical Education	1/2
	15 1/2		15 1/2

Suggested One-Year Program

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Chemistry 53	3	Bacteriology 2	4
Anatomy 1	4	Physiology 1a, 1c	4
English	3	Psychology 51 or 1a	3
Hygiene 2	2	Nutrition 8	2
Electives	3	Electives	2
Physical Education	1/2	Physical Education	1/2
	15 1/2		15 1/2

TRADES AND INDUSTRIES

BUILDING TRADES

A training curriculum in the building trades with carpentry as a basic course, has been set up as an integral unit of the regular two-year junior college program. Manipulative instruction in carpentry, painting, plumbing, and dry wall construction under the supervision of master craftsmen is given to approved students. Manipulative training is given each year on one major project, such as a residence.

Trade technical class instruction is given in fundamental and advanced construction procedures, in blueprint reading, in estimating and contracting procedure, and in structural stresses and strains including simple truss designs. Trade related subjects, including drafting, mathematics, Eng-



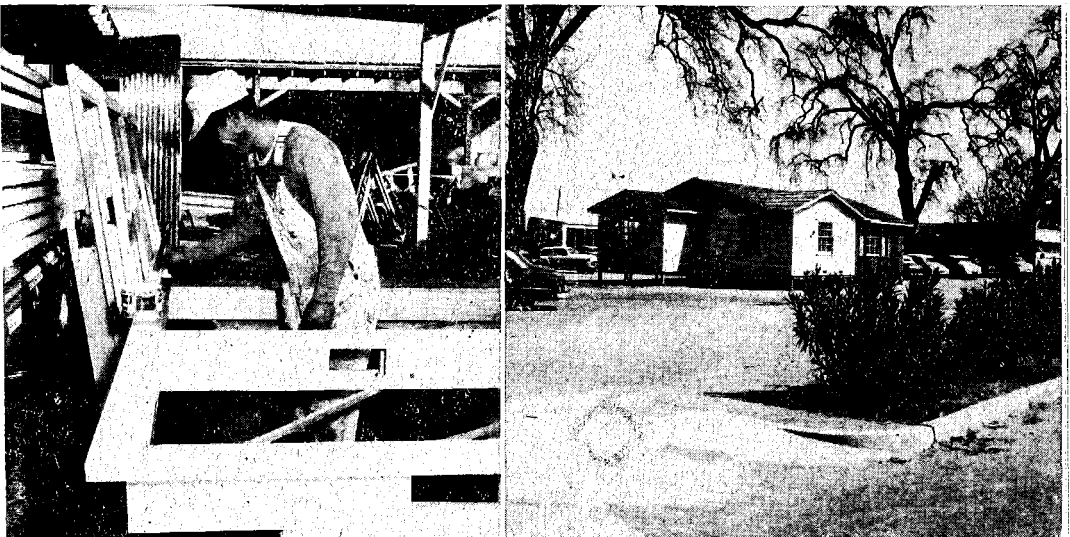
lish, accounting, business law, job ethics, economics, history 10, political science 5, physical education, and hygiene are required as part of the training.

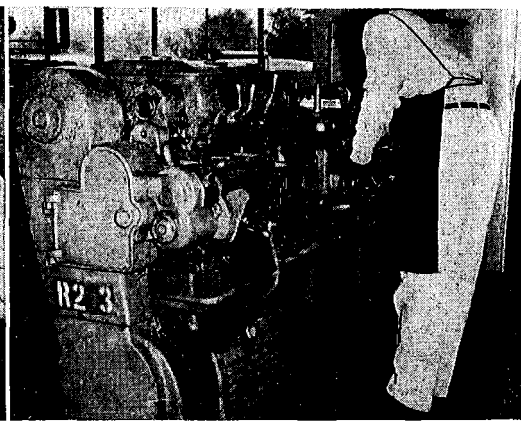
Upon leaving school or graduating, the student may ask the trade advisory committee of the California Division of Apprenticeship Standards to evaluate his training and experience toward the completion of an apprenticeship and the attainment of a journeyman's status in the carpentry trade.

Suggested Program

FIRST YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Building Trades 55a	3	Building Trades 55b	3
Building Trades 65a	6	Building Trades 65b	6
Architecture 51a	2	Architecture 51b	2
Hygiene 1	2	English	3
*Mathematics 50		Physical Education	1/2
or Elective	2		
Physical Education	1/2		
			14 1/2
	15 1/2		
SECOND YEAR			
FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Building Trades 56a	3	Building Trades 56b	3
Building Trades 66a	6	Building Trades 66b	6
History 10 or 51	3	Political Science 5 or 51	3
Business 88	2	Physical Education	1/2
Physical Education	1/2		
			15 1/2
	14 1/2		

*Mathematics 50 is required of students who need additional instruction in mathematics as determined by proper standardized tests.





METAL TRADES

The metal shop curriculum comprises a series of shop, mathematics, (accounting), and drawing courses which will prepare the student for placement in a machine shop, a related mechanical trade, or will supply him with a practical understanding of our industrialized American society.

Emphasis is on blue print reading, welding, foundry, sheet metal

Suggested Program

FIRST YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Mechanics 64a	3	Mechanics 64b	3
*Engineering 52	2	Engineering 53	2
Mathematics 50	2	Political Science 5 or 51	3
English	3	Speech 51a	3
History 10 or 51	3	Electives	3
Electives	2	Physical Education	1/2
Physical Education	1/2		
	<hr/>		<hr/>
	15 1/2		14 1/2

SECOND YEAR

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Mechanics 65a	6	Mechanics 65b	6
Mechanics 60a	3	Mechanics 60b	3
Business 88	2	Hygiene 1	2
Electives	4	Electives	3
Physical Education	1/2	Physical Education	1/2
	<hr/>		<hr/>
	15 1/2		14 1/2

*Students who have had high school mechanical drawing equivalent to Engineering 52 may substitute two additional elective units for this course.

DESCRIPTION OF COURSES

EXPLANATION OF SYMBOLS

EXAMPLE: "AGRICULTURE 65—FEEDS AND FEEDING (3) I"

"65" is the number of the course in Agriculture.

"(3)" indicates the number of units of credit earned toward a degree in one semester of successful work in this course.

"I" indicates that this course is given in the fall semester of the school year.

A "II" after a course indicates that it is given in the spring semester of the school year.

"Yr." after a course indicates that it is a year sequence course, the "a" part given during the fall semester and the "b" part during the spring semester.

"E" after a course indicates that the course is given in the Extended Day department.

AGRICULTURE

AGRICULTURE 50a-50b—VETERANS' AGRICULTURE (12-12)

Not offered 1956-1957.

This course consists of four hours of lecture, two hours of field instruction, and forty hours of work on a supervised farming program per week. AGRICULTURE 51—FARM MACHINERY (3) Not offered 1956-1957.

A course in the operation, care and repair of farm machinery with demonstrations and laboratory work on tillage, planting, and harvesting machinery.

AGRICULTURE 56a-56b—FARM STRUCTURES (3-3) Not offered 1956-1957.

A course in planning, designing, and building the various types of farm buildings necessary to agricultural enterprises of the San Joaquin Valley.

AGRICULTURE 58a-58b-58c—FARM MECHANICS (3-2-3) I, II.

The repair, maintenance, design, and construction of farm machinery and equipment.

AGRICULTURE 60—ELEMENTS OF DAIRYING (4) I.

A survey of the field of dairying. Study of approved practices in the San Joaquin Valley, including selection, feeding, and management.

AGRICULTURE 63—MILK PRODUCTION (3) I.

Factors affecting milk production. Practice in milk production skills. Dairy production problems and methods.

AGRICULTURE 64—DAIRY MANAGEMENT (2) II.

A study of the feeding and management of dairy cattle, record keeping, developing a herd, and raising replacement stock.

AGRICULTURE 65—FEEDS AND FEEDING (4) I.

A study of the constituents of feeds, the digestive system, and the compiling of rations for livestock.

AGRICULTURE 72—SHEEP PRODUCTION (2) II.

A study of market sheep production. Selection of breeding stock, feeders and equipment. Care and management of the flock.

AGRICULTURE 74—FITTING AND SHOWING (1) I.

A course in the methods of fitting and showing cattle, sheep, and hogs for sale and exhibition.

AGRICULTURE 75—BEEF PRODUCTION (3) I.

A study of market beef production. Selection of breeding stock, feeders, and equipment. Care and management of the herd.

AGRICULTURE 76—SWINE PRODUCTION (3) I.

A study of market swine production. Selection of breeding stock, feeders, and equipment. Care and management of the herd.

AGRICULTURE 77—POULTRY BROODING (2) II.

A study of brooding principles and practices, growth of the chick, care and feeding of young stock.

AGRICULTURE 78—EGG PRODUCTION (2) II.

A study of the selection, feeding, sanitation, and management of the laying flock.

AGRICULTURE 82—ECONOMIC ENTOMOLOGY (3) I, E.

General study of western insects; life cycles, economic importance and control.

AGRICULTURE 84—FORAGE CROPS (2) II.

A study of the common forage crops: alfalfa, permanent pastures, silages.

AGRICULTURE 87—SOILS (4) II.

A study of values and management of different types of soils.

AGRICULTURE 88—CITRUS FRUITS (4) I.

A study of the cultural practices necessary to citrus production.

AGRICULTURE 90—FARM MANAGEMENT (4) II.

A study of prices, economics trends, budgets, credits, and choice of enterprises.

AGRICULTURE 91—FARM ACCOUNTING (2) II.

A study of farm record keeping and analysis, including inventories, production records, tax records, financial and annual statements.

AGRICULTURE 92—AGRICULTURAL MATHEMATICS (2) I.

Procedures, problems in soils, dairy, horticulture, poultry, and feeds; equations, discounts and interest, area, volumes, and proportions.

AGRICULTURE 99a-99b-99c-99d. — SUPERVISED FARM PRACTICE (1-1-1-1) I, II.

Three hours of supervised work experience on the school farm per week.

AGRONOMY 1—INTRODUCTION TO AGRONOMY (2) II.

The principles and practices of field crop production and soil management. A survey of the production and uses of field crops including cotton, sugar beets, cereals.

ANIMAL HUSBANDRY 7—INTRODUCTION TO ANIMAL HUSBANDRY (4) I.

A survey course of the sources of the world's supply of animal products. The origin, characteristics, and adaptation of the more important breeds of livestock and dairy.

ANIMAL HUSBANDRY 8—LIVESTOCK JUDGING AND SELECTION (1) I.

A study of the animal form in relation to its various functions.

POMOLOGY (2)—PRINCIPLES OF FRUIT GROWING (3) II.

An introduction to the principles underlying the behavior of fruit trees. Study of climatic influences, varieties, rootstocks, and elementary production practices.

VITICULTURE 1—INTRODUCTION TO VITICULTURE (2) I.

A survey of the grape industry, grape varieties and economics, with a study of the cultural practices in production.

ART

ART 5—PUBLIC SCHOOL ART (2) I, II, E.

A course in the study of the art expression of the child in relation to his creative growth and development. Art principles are stressed in experimenting with various media adapted to the child's level of development. Required for elementary teaching credential.

PREREQUISITE: Psychology 1a recommended.

ART 6a-6b—COLOR, AND DESIGN (2-2) Yr.

A basic course in art with the primary purpose of familiarizing the student with the elements and principles used in art through the study of historic examples from all countries and periods. Creative imagination and judgment are stimulated through problems involving various media. Experiments with line, form, and color, in two and three dimensions.

ART 7a—FREEHAND DRAWING (2) I.

Freehand and perspective drawing. Use of pencil, pen and ink. Chinese brush, charcoal, water color, and scratch board techniques.

ART 7b—FIGURE DRAWING (2) II.

Drawing from models—human and animal, in various media.

PREREQUISITE: Art 7a or permission of the instructor.

ART 12a-12b-12c-12d—WATER COLOR PAINTING (1-1-1-1) I, II.

The theory and techniques of water color and gouache painting as applied to still life and landscape.

PREREQUISITES: Art 6a-6b and Art 7a or permission of the instructor.

ART 14a-14b-14c-14d—OIL PAINTING (1-1-1-1) I, II.

Experimental painting of still life, landscape and the human figure. A study of painting procedure, color theory and techniques. Medium—oil paint.

ART 19—ART APPRECIATION (2) I, II, E.

A course designed to develop the student's capacity to enjoy his surroundings by making him conscious of the beauty he sees in his home, his school, his community, and in works of master craftsmen and artists.

ART 20—COSTUME DESIGN (2) I, II.

An introductory course in the study of art principles, applied to modern dress with particular emphasis on individual problems.

PREREQUISITE: Art 6a. Art 6b and Art 7a recommended.

ART 22a-22b-22c—INTERIOR DESIGN (1-1-1 or 3) I, II.

Three separate units are offered. Each unit may be taken separately or all three may be taken in one semester.

Unit a. Flower arrangement and garden plans.

Unit b. Color arrangement and design in interior decoration.

Unit c. Decorative arts applied in the home.

ART 23a-23b-23c-23d—DESIGN IN LEATHER (1-1-1-1) I, II, E.

A course in creative leather craft designing, pattern making, carving, finishing and monogramming.

PREREQUISITES: None. Art 6a or Art 19 recommended.

ART 24a-24b-24c-24d—DESIGN IN TEXTILES (1-1-1-1) I, II.

A study of textiles and creative weaving.

ART 25a-25b-25c-25d—JEWELRY (1-1-1-1) I, II, E.

A basic course in modern jewelry making in creative design and conventional pins, brooches, clasps, rings, earrings. The course is basic for hobby or trade.

ART 27a-27b-27c-27d—LAPIDARY (1-1-1-1) I, II, E.

The art of cutting and polishing semi-precious stones.

Not less than one field trip each semester for the study of geological formations and the collection of suitable materials.

ART 29a-29b-29c-29d—GRAPHIC ARTS (1-1-1-1) I, II.

Year book design and layout, photographic composition, printing, air brush, linoleum and wood prints, scratch board, drawing and page paste-up for lithography. Pen and brush lettering.

ART 31a-31b-31c-31d—MERCHANDISING ART (1-1-1-1) I, II.

Basic techniques in window and counter display with emphasis on hand lettering, design, and color.

BUSINESS

Pre-Business Administration

BUSINESS 1a-1b—PRINCIPLES OF ACCOUNTING (4-4) Yr.

Lecture and discussion 3 hours; laboratory 2 hours.

Basic techniques of up-to-date record-keeping based upon the double-entry philosophy. Particular attention is devoted to the basic business procedures of gathering and statistically classifying accounting data for statement analysis and interpretation. A comprehensive coverage of assets, liabilities, income and expense accounts is made and a limited consideration is given to specialized phases of accounting.

BUSINESS 10—MODERN BUSINESS (3) I, II.

A business background course presenting a survey of business principles, problems, practices, and procedures of value to all students, whether or not they are majoring in business. For the business major, this course affords assistance in choosing an area of specialization and a background for the more specialized business courses. Formerly Business 90.

BUSINESS 11 (Formerly Economics 2)

INTRODUCTION TO BUSINESS ADMINISTRATION (AIB) (3) E.

Introduction to the various divisions of Business Administration. Includes labor relations, industrial management, business cycles, budgeting, law, financial management and marketing.

BUSINESS 13—CONSUMER PROBLEMS (2) I, II.

A transfer course open to all students. Instructors from other departments and professional specialists will discuss such topics as personal finance, insurance, buymanship, home furnishings, clothing and others selected by the class.

BUSINESS 18—BUSINESS LAW (3) I.

Basic concepts of American Business Law, contracts, agency, negotiable instruments, sales, and courts and legal procedure.

BUSINESS 22—BUSINESS MATHEMATICS (2) II.

A condensed treatment of fractions, decimals, percentages, interest,

discount, installment buying and personal borrowing. An introduction to pay-rolls, wage payment systems, statistical graphs, and merchandise pricing.

PREREQUISITE: Satisfactory score in the Mathematics section of the A.C.E. test or "C" grade or better in Mathematics 50 or Business 95.

BUSINESS 40—MONEY AND BANKING (AIB) (3) E.

The functions and use of money in the American economic system, with emphasis on the historical development of banking from the colonial period to modern monetary problems.

BUSINESS 41—FUNDAMENTALS OF BANKING (AIB) (3) E.

An introductory course in the fundamentals of banking, which covers organization, customer relations, saving program, lending policies, appraisal and home finance, and financial institutions.

BUSINESS 42—NEGOTIABLE INSTRUMENTS (AIB) (3) E.

A study of the principles of negotiable instruments and the use of various types of negotiable paper required in business transactions.

Secretarial and Clerical

BUSINESS 50a-50b—ELEMENTARY SHORTHAND (5-5) Yr.

An elementary course in the theory and technique of Gregg shorthand. Typewriting must be taken concurrently with business 50a unless the student makes a satisfactory score in the typewriting placement test.

BUSINESS 51a-51b—INTERMEDIATE SHORTHAND (5-5) Yr.

An intermediate course in the theory and techniques of Gregg shorthand. Speed and accuracy in reading, writing and transcribing shorthand notes are emphasized.

PREREQUISITE: A satisfactory score in the shorthand and typewriting placement tests.

BUSINESS 52a-52b—ADVANCED SHORTHAND DICTATION (5-5) Yr.

High speed shorthand dictation, with emphasis placed upon building vocational shorthand vocabularies. The objective of this course is a shorthand dictation speed of 120 words per minute.

Business 53a-53b must be taken concurrently.

PREREQUISITE: A satisfactory score in the shorthand and typewriting placement tests.

BUSINESS 53a-53b—ADVANCED SHORTHAND TRANSCRIPTION (2-2) Yr.

A required transcription course which must be taken concurrently with Business 52a-52b. Emphasis is placed upon the transcription of the vocational dictation given in the shorthand class and upon improvement of typewriting speed. Office standards are maintained.

PREREQUISITE: A satisfactory score in the shorthand and typewriting placement tests.

BUSINESS 54a-54b—SHORTHAND REPORTING (3-3) Yr.

Advanced course in shorthand speed building designed to develop dictation speeds above 120 words per minute on tests of lengthy duration.

PREREQUISITE: Business 52a-52b or its equivalent.

BUSINESS 55—LEGAL SECRETARIES (2) E.

A course providing background information which enables the legal secretary to understand what is being done in the law office and to improve the necessary legal skills.

BUSINESS 56—MEDICAL SECRETARIES (2) E.

A basic coverage of a medical secretary's duties and responsibilities; including legal matters, credit and collection procedure, public relations, business management, medical terminology, and vocabulary.

BUSINESS 58a—OFFICE PROCEDURES (3) I.

A required course for secretarial and clerical majors designed to acquaint the student with the functions of the office in modern business and with the duties, traits, and knowledges required of the general office worker. Students will learn to operate the duplicating machines (Ditto, Mimeograph, and Mimeoscope) and will become acquainted with the operation of the transcribing machines (Audograph, Dictaphone, Ediphone, and Sound Scriber).

PREREQUISITE: Typewriting.

BUSINESS 58b—SECRETARIAL OFFICE PROCEDURES (3) II.

A required course for secretarial majors designed to acquaint the student with the secretary's duties in the office, especially those for which she will be individually responsible. Special emphasis is placed on the status of secretarial work and its relation to office organization; personality development; problems of business etiquette; and methods of obtaining positions and promotions to higher positions.

PREREQUISITE: Shorthand and typewriting.

BUSINESS 59a—PRINCIPLES OF FILING (1) I, II.

A course covering the basic rules and procedures of filing. Individual practice filing equipment allows actual practice in arranging records according to alphabetic, geographic, numeric, and subject methods of filing.

This course is recommended for accounting, secretarial, and clerical majors.

BUSINESS 60a-60b—ELEMENTARY TYPEWRITING (2-2) I, II, E.

An elementary course covering the fundamentals of typewriting. Stress is placed upon technique, accuracy, and posture. Simple business forms,

88—RECORD KEEPING FOR SMALL BUSINESS (2) II.

course covering accounts, payroll, loans, review of business forms, California Code on legal aspects concerning business. A modified bookkeeping practice set is included.

92—ANALYSIS OF FINANCIAL STATEMENTS (AIB)

techniques for analyzing the balance sheet and the income statement. Attention is given to the application of ratios, percentages, and comparisons.

Business Background

93—SURVEY OF BUSINESS LAW (3) II, E.

study of the meaning and operation of the law under which the business operates, the value of such law to his everyday living, and its aid in the conduct of his home, social, and business affairs. Recommended for business majors; required for non transfer majors excepting students taking Business 18.

94—BUSINESS LAW FOR BANKERS (AIB) (3) E.

AIB course for bankers with emphasis on common contracts, negotiations, partnerships, and corporate business. Other topics covered include ownership of personal and real property and community property.

95—BUSINESS ARITHMETIC (3) I, II.

vocational mathematics course in which the student will develop speed and accuracy in the fundamental process of arithmetic commonly used in business calculations and will develop the ability to make many computations mentally rather than by the use of pencil and paper. This course is required of all business and building trades majors who qualify on the survey test.

96a—ENGLISH FOR BUSINESS (3) I, II.

course designed to give business students a review of and practice in basic English skills necessary for office workers. It offers a review of the fundamentals of English grammar, sentence structure, punctuation, and the building of an adequate business vocabulary. Not open to students who had English 51.

96b—WRITING FOR BUSINESS (3) I, II.

course in business communications dealing with the central principles underlying the writing of effective business letters and reports, and proper practice in applying these principles. Study is made of the basic differentiated forms of business communications, sales writing, credit, collection letters, and letters of application.

had no previous

2) I, II, E.
previous instruction in
writing placement

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This course is required of all business majors.

PREREQUISITE: Satisfactory score in English placement test, or a "C" grade in either English 51 or Business 96a.

BUSINESS 98—PERSONAL EFFICIENCY IN BUSINESS (3) I, II.

A course to acquaint the student with the accepted principles of present-day psychology that will be of practical use for advancing in business, to aid the student in becoming more efficient personally and in understanding the problems of human relations and morale in business.

EDUCATION

EDUCATION 30—INTRODUCTION TO EDUCATION (2) I, II, E.

A brief survey of the fundamental concepts in public education.

Field trips may be required.

Required for elementary teaching credential.

ENGINEERING

ARCHITECTURE 1a-1b—ARCHITECTURAL DRAWING (3-3) Yr., E.

Six hours per week.

The preparation of a complete set of plans for a wood frame house from preliminary sketches. A study of materials of construction, specifications, estimating costs, and the California State Building Code.

PREREQUISITE: Mechanical Drawing.

ARCHITECTURE 51a-51b—TRADE DRAWING - BUILDING

TRADES (2-2) Yr., E.

One lecture and three laboratory hours per week.

A practical course in drawing for the building trades including the fundamentals of mechanical drawing; introduction to architectural drafting and blue print reading; details; symbols, and specifications.

ENGINEERING 1a-1b—SURVEYING (3-3) Yr.

Three hours lecture and three hours field work per week.

Fundamental principles and practice in methods of land and route surveying.

PREREQUISITES: Trigonometry and Mechanical Drawing. These may be taken concurrently.

ENGINEERING 8—MATERIALS OF ENGINEERING

CONSTRUCTION (2) I.

Two hours lecture per week.

Structural properties and use of various materials.

PREREQUISITES: Not open to Freshmen.

ENGINEERING 22—ENGINEERING DRAWING (2) I, II, E.

One lecture and five laboratory hours per week.

Geometric construction; freehand pictorials; theory of orthogonal projection; simple auxiliaries; sectioning; fasteners; dimensioning; simple working drawings.

PREREQUISITE: Engineering 52 or one year of high school mechanical drawing.

ENGINEERING 23—DESCRIPTIVE GEOMETRY (2) I, II.

Six hours a week.

The fundamental principles of descriptive geometry and their application to the solution of three-dimensional problems arising in the various branches of engineering.

PREREQUISITE: Engineering 22 and plane geometry. Engineering 22 may be taken concurrently.

ENGINEERING 24—ADVANCED ENGINEERING DRAWING

(2) I, II.

One lecture and five laboratory hours per week.

Cams and gears; detail and assembly drawings of machine parts; free-hand sketches; structural detailing; piping layouts; application of American Standards in drafting room practice; tolerances; classes of fit and machining specifications.

PREREQUISITES: Engineering 22 and 23, or Engineering 23.

ENGINEERING 26—MACHINE DESIGN (2) I, II.

One lecture and five laboratory hours per week.

Design of original machines or parts which can subsequently be made in the college shop. Production drafting methods are followed as closely as possible.

PREREQUISITES: Engineering 22 and 24.

ENGINEERING 35—STATICS (3) II.

Three lectures per week.

Force systems and equilibrium conditions as applied to engineering problems.

PREREQUISITES: Physics 1a; Mathematics 4a.

ENGINEERING 52—MECHANICAL DRAWING (2) I, II, E.

One lecture and three laboratory hours per week.

A rapid comprehensive coverage of the fundamentals of mechanical drawing and modern drafting practice; lettering; geometric drawing; orthographic projection, pictorial representation, and blueprinting.

ENGINEERING 53—TRADE DRAWING—METAL TRADES

(2) I, II, E.

One lecture and five laboratory hours per week.

A practical course in drawing for the metal trades, blueprint reading, sheet metal development and detail, and assembly drawings of machined and fabricated parts.

PREREQUISITE: Engineering 52 or one year of high school mechanical drawing.

ENGINEERING 60a-60b—ELEMENTARY PROBLEMS IN ENGINEERING (2-2) E.

A preview of the engineering field with problems in logarithms, slide rule, dimensional analysis, trigonometry, mechanics, uniform motion, friction, work, power, energy, and forces.

ENGLISH

Composition and Literature

ENGLISH 1a—FIRST-YEAR READING AND COMPOSITION

(3) I, II, E.

This course is designed to provide training in intelligent interpretation and in correct and effective expression, oral and written, through analysis and discussion of expository types of literature, especially the essay and biography, and the writing of themes. Organization of material, clarity and directness of style, and idiomatic correctness are stressed. Experience in the preparation of a formal research paper is included.

PREREQUISITE: A grade of "C" or better in the English placement test or in English 51.

ENGLISH 1b—FIRST-YEAR READING AND COMPOSITION

(3) I, II, E.

The purpose of this course is to improve the student's powers of analysis and expression, and to cultivate his appreciation of literary values through a critical study of selected plays, poems, short stories and a novel. Oral discussion and written composition are continued.

PREREQUISITE: English 1a.

ENGLISH 4a-4b—MASTERPIECES OF LITERATURE—THE ENGLISH NOVEL (3-3) Yr.

The course covers the history and development of the English novel from the eighteenth to the twentieth century. Emphasis is placed on the social as well as the aesthetic aspects of the works. Seven representative novels are read and discussed each semester.

PREREQUISITE: English 1a or permission of the instructor.

ENGLISH 5a-5b—HISTORY OF ENGLISH LITERATURE (3-3) Yr.

This course covers the history of English literature from the Anglo-Saxon period to the present, emphasizing the study of social and historical backgrounds and literary movements, with illustrative readings from literary masterpieces, lectures, and discussions.

PREREQUISITE: English 1a-1b.

ENGLISH 8—DIRECTED READING (2) Not offered 1956-1957.

The object of this course is to encourage recreational reading. It is designed to help students to read more rapidly and with better comprehension, to stimulate the student who has not read much to develop a taste for reading, and to develop in all a discriminating sense in the choice of books.

ENGLISH 10a-10b—ELEMENTARY JOURNALISM (3-3) I, II.

A course which puts emphasis on writing news stories but which also deals with head writing, copy reading, proof reading, page makeup, and ethics in journalism.

PREREQUISITES: Satisfactory score in English placement test or a grade of "C" or better in English 51, or permission of the instructor.

ENGLISH 12a-12b—JOURNALISM WORKSHOP (2-2) I, II.

A laboratory course in practical journalism. Includes special publicity assignments and advanced work in news writing, copy-editing, and page makeup. Students serve in key positions on campus publications.

PREREQUISITES: English 10a-10b, or permission of the instructor.

ENGLISH 14—CREATIVE WRITING (2) I, E.

The purpose of this course is to provide opportunity for experience in writing short stories, feature articles, verse, and plays. Workshop discussion of the students' own productions forms a large part of the class activity. Members of the class are encouraged to specialize in the type of writing that interests them most.

PREREQUISITE: English 1a or special permission of the instructor.

ENGLISH 15—CREATIVE WRITING (2) II, E.

This course is a continuation of English 14, offered to all students interested in creative writing. Professional standards of writing receive special emphasis.

PREREQUISITE: English 1a or special permission of the instructor.

ENGLISH 51—GRAMMAR AND COMPOSITION (3) I, II, E.

This course includes drill in mechanics, diction, grammar, punctuation, and spelling, and practice in writing sentences, paragraphs and themes. It is intended primarily for those students who fall below the median score in the English Placement Test. Some colleges allow partial transfer credit for the course; however, no credit is granted by the University of California.

ENGLISH 52—ESSENTIALS IN

READING AND WRITING (3) I, II.

This course is planned to assist the student in increasing his ability to read rapidly and understandingly, to write clearly, concisely, and correctly.

PREREQUISITE: English 51.

ENGLISH 53—PRACTICAL ENGLISH (3) II.

This course partially fulfills the English requirement for junior college graduation and is intended for those students who do not plan to transfer to a four-year institution. Students desiring preparation for English 1a should take English 51.

ENGLISH 54—READING BETTER AND FASTER (3) I, II.

This course is intended for those students who wish to improve their comprehension and speed in reading.

PREREQUISITE: None.

ENGLISH 55a-55b—FILM FORUM (2-2) E.

A discussion and analysis of a series of outstanding foreign and American films. Films are preceded by analytical and critical discussions, then panels are conducted. Collateral reading is required. Student is given an insight into social, historical and literary works. This course does not fulfill graduation requirement for English, but is accepted as elective credit.

ENGLISH 64—SPEED READING (2) E.

This course is designed to meet the needs of business and professional people who want to increase their reading ability, and particularly their speed of reading.

Speech Arts

SPEECH 1a-1b—FUNDAMENTALS OF PUBLIC SPEAKING

(3-3) I, II, E.

This course is concerned primarily with training in meeting practical speech situations. The work of the first semester concentrates on such fundamentals as techniques of finding and organizing speech materials, effective use of the voice in communication, and good platform manners. In the second semester, the student receives training in the preparation and delivery of various types of speeches.

PREREQUISITE: A grade of "C" or better in the English Placement Test or in English 51.

SPEECH 33a-33b—PLAY PRODUCTION (2-2) Yr.

The work of the course comprises a study of the technique of acting and directing, and practical experience in the production of plays. Attendance at outside rehearsals is required for credit.

PREREQUISITE: A grade of "C" or better in the English Placement Test, or permission of the instructor.

SPEECH 34a-34b—ADVANCED PLAY PRODUCTION (2-2) Yr.

A course designed for advanced drama students. Actual experience in acting, directing, and producing short and long plays for public presentation in the College Experimental Theatre and Montgomery Auditorium. Attendance at outside rehearsals is required for credit.

PREREQUISITE: Speech 33a-33b or permission of the instructor.

SPEECH 35a-35b—PLAY PRODUCTION FOR ADULTS (3-3) E.

A comprehensive course in make up, costume, technique of acting, stage production and design. Each semester a one act play is produced by the class.

SPEECH 40—RADIO SPEECH (2) I, II.

This is a laboratory course in microphone technique, in which voice control, diction, and radio announcing are studied. It is intended especially for speech majors and for students who wish experience in radio announcing.

SPEECH 51a-51b—PRACTICAL SPEECH (3-3) Yr., E.

This course is arranged for those students who intend to go directly into homemaking or business upon the completion of their junior college work. Stress is placed upon the development of poise and self-confidence, right use of the voice, and parliamentary procedure for meetings of clubs.

PREREQUISITE: For Speech 51a, None. For Speech 51b, Speech 51a.

SPEECH 61a-61b—STAGE CRAFT (2-2) II.

Technical problems in lighting and stage production. Practical experience in design, construction, and staging of college dramatic and musical productions. This course does not fulfill graduation requirements for English or Speech, but is accepted as elective credit.

FOREIGN LANGUAGES

FRENCH 1a—ELEMENTARY FRENCH (4) I, E.

Basic oral and aural French; pronunciation, reading, writing and inductive grammar; French life and culture.

Corresponds to first two years of high school French.

FRENCH 1b—(4) II, E.

Continuation of French 1a.

PREREQUISITE: French 1a or two years of high school French.

FRENCH 1c—INTERMEDIATE FRENCH (4) I, II, E.

Reading and discussion of French novels, plays and short stories. Basic grammar review.

PREREQUISITE: French 1a-1b or three years of high school French.

FRENCH 1d—(4) II.

Continuation of French 1c.

PREREQUISITE: French 1c or four years of high school French.

GERMAN 1a—ELEMENTARY GERMAN (4) I.

Pronunciation, essentials of grammar, and progressive reading.
Corresponds to first two years of high school German.

GERMAN 1b—(4) II.

Continuation of German 1a.

PREREQUISITE: German 1a or two years of high school German.

GERMAN 1c—INTERMEDIATE GERMAN (4) I.

Grammar review, written composition, extensive reading, and translation.

PREREQUISITE: German 1b or three years of high school German.

GERMAN 1d—(4) II.

Continuation of German 1c.

PREREQUISITE: German 1c or four years of high school German.

SPANISH 1a—ELEMENTARY SPANISH (4) I, E.

Basic oral and aural Spanish; pronunciation, reading, writing and inductive grammar; Spanish life and culture.

SPANISH 1b—(4) II, E.

Continuation of Spanish 1a. Spanish life and culture.

Corresponds to first two years of high school Spanish.

SPANISH 1c—INTERMEDIATE SPANISH (4) I, E.

Reading and discussion of Spanish novels, plays and short stories.
Basic grammar review.

PREREQUISITE: Spanish 1a-1b or three years of high school Spanish.

SPANISH 1d—(4) II, E.

Continuation of Spanish 1c.

PREREQUISITE: Spanish 1c or four years of high school Spanish.

HOME ECONOMICS

HOME ECONOMICS 10a—FOODS (3) I.

A study of the relationship between food composition, nutrition and health; basic principles of food preparation to conserve nutritive values; development of the ability to plan, prepare, and serve meals which are attractive, adequate for health, and within different income levels.

PREREQUISITE: High school chemistry or permission of instructor.

HOME ECONOMICS 10b—FOODS (3) II.

A continuation of 10a, with the application of principles to more complicated techniques of food selection and preparation. This includes buffet, outdoor, regional, and foreign meals.

HOME ECONOMICS 12a—CLOTHING (3) I.

Fundamentals of clothing selection as applied to the individual for suitability in color, design, needs, and economic status. Selection, use, and alteration of commercial patterns.

Fundamental techniques of clothing construction.

HOME ECONOMICS 12b—CLOTHING (3) II.

Continuation of 12a with more advanced problems, including some original design and tailoring techniques.

HOME ECONOMICS 13—CONSUMER'S PROBLEMS (2) I, II.

Management of personal income so as to secure the greatest measure of satisfaction and highest possible standard of living. Students are acquainted with such topics as: personal finance, insurance, family clothing, home furnishings and equipment, foods, agencies for consumer aid, protection and information. Taught with instructors from other departments and professional specialists assistance to instructors.

HOME ECONOMICS 14—TAILORING PROBLEMS (3) I.

This is an advanced course in clothing construction, designed to meet the needs of adults and regular students who have had basic construction, but desire experience in tailoring.

PREREQUISITES: Home Economics 51a-51b, 12a-12b or the equivalent.

HOME ECONOMICS 15—SURVEY OF HOME ECONOMICS (1) I.

Introduction to the opportunities and requirements in various professional fields for the trained home economist. Lectures by the staff and specialists in the field. Required of majors.

HOME ECONOMICS 26—MARRIAGE AND FAMILY LIFE (2) I, II.

This course is designed to give the student greater insight into family living. Consideration of such topics as: roles played by various family members; importance of the family for individuals and society; choosing a mate; successful living as husband, wife, parent, child; emotional, spiritual, sexual, and financial adjustment in marriage; the family in time of stress.

HOME ECONOMICS 50a—CAREER FOODS (2) I.

An introduction to planning, marketing, and preparation of meals for students who are majors in other fields but who are aware of their need for some food and table service training. Demonstrations with emphasis on quick meals easily prepared and served attractively, participation in menu planning, buying, timing, preparation and serving of quick economical meals.

HOME ECONOMICS 50b—CAREER FOODS (2) II.

A continuation of 50a with the application of a career person's time and facilities for guest meals, namely brunch, buffet, and outdoor meals. Preparation and variation of quick mixes, frozen foods, care and handling and pressure cooking short-cuts.

HOME ECONOMICS 51a—CAREER GIRLS CLOTHING (2) I.

Designed as an elective for majors in other fields who feel the need of some training in selection, care, alteration and construction of clothing. Course includes wardrobe planning, selection of ready-to-wear as well as fabrics, and basic construction techniques. Also fitting and alteration problems. Use and alteration of commercial patterns.

HOME ECONOMICS 51b—CAREER GIRLS' CLOTHING (2) II.

A continuation of 51a with advanced construction techniques. Emphasis on selection of color and design suited to the individual. Figure analysis and grooming.

HOME ECONOMICS 52—CLOTHING, RENOVATION, AND ALTERATION (2) I.

A course designed for home makers, and for vocational preparation in the merchandising and alteration fields of ready-to-wear departments.

Major problems in altering ready-to-wear garments and the renovation and re-styling of materials from garments that have lost their usefulness.

PREREQUISITE: None. Home Economics 51a recommended.

HOME ECONOMICS 53—HOME MANAGEMENT (3) I, II.

Housekeeping techniques. Budgeting time and money; purchase, use and care of household equipment and furnishings; care of clothing; organization of work for efficiency and comfort; effect of children in the home. Field trips, lectures, demonstrations, and practice.

HOME ECONOMICS 57—CHILD CARE AND TRAINING (2) II.

A course in prenatal care and care of the very young child. Feeding and clothing the infant and child of school age; making a layette and self-help garments for the child. The place of stories, toys and play in child development. Making of toys at home.

HOME ECONOMICS 58—HOME CRAFTS (1) II.

A course designed to develop skills in crafts useful for hobbies and for home making. Instruction in major needle arts; knitting, rug making, fabric decoration, making of draperies, slip covers.

HOME ECONOMICS 59a-59b-59c—HOME PROBLEMS (1-1-1) II.

Three separate units are offered. Each unit may be taken separately or all three may be taken in one semester.

Unit a. Textiles: Selection, use and care.

Unit b. Laundry problems: Methods, use and care of equipment.

Selection and use of reagents.

Unit c. Household equipment: Selection, use and care.

PREREQUISITE: None.

HOME ECONOMICS 61—FOODS AND TABLE SERVICE FOR MEN

(2) Not offered 1956-1957.

Planning, cooking, serving meals keyed to male appetites and nutritional needs. One-dish meals, tasty salads, simple desserts.

Planning camp meals and outdoor cookery.

HOME ECONOMICS 63—HOSTESS AND TABLE SERVICE (1). Not offered 1956-1957.

Courtesies of home and business life.

Planning and table service for entertaining.

Open to all women students.

HOME ECONOMICS 70—PRACTICAL NURSING REFRESHER COURSE (3) E.

A comprehensive course designed to enable practical nurses to qualify for their state licenses. Lecture and demonstration of hospital and sick room procedure. Emphasis on body mechanics, nutrition, care of aged, paralyzed, convalescent, medication and nursing ethics.

NUTRITION 8—NUTRITION FOR PHYSICAL FITNESS (2) I, II.

A study of human food needs with relation to diet planning both at home and in hospitals; for normal, obese, diabetic, low-sodium, post operative, pregnancy and lactation requirements. Role of the elementary, physical education and home economics teachers and parents in fostering sound nutritional habits.

HYGIENE

HYGIENE 1—MEN (2) I, II, E.

A general course including the facts necessary for intelligent maintenance of physical and mental health and a scientific discussion of the effects of narcotics and alcohol. Interpretation of life processes; a study of the principal body systems and of the hygiene and first aid associated with each; includes fire prevention.

HYGIENE 2—WOMEN (2) I, II, E.

An introduction to hygiene with emphasis on the special health problems and health interests of college students; means of promoting health; including a scientific discussion of the effects of narcotics and alcohol; relationship of mental health to physical health; includes fire prevention.

HYGIENE 3—RED CROSS FIRST AID (1) E.

The American Red Cross Standard First Aid Course; includes fire prevention.

INDUSTRIAL ARTS

INDUSTRIAL ARTS 30—INDUSTRIAL ARTS FOR ELEMENTARY SCHOOLS (2) I, II, E.

Stationary, movable and mechanical toys, box furniture, play houses to meet needs in kindergarten-primary and elementary schools; tools and their proper use. Field trips may be required.

LAW ENFORCEMENT

LAW ENFORCEMENT 50a-50b—TRAFFIC REGULATIONS AND CONTROL (2-2) Yr., E.

50a covers traffic accident investigation and its relation to accident prevention. 50b is a study of the California Vehicle related laws with reference to the traffic problem.

LAW ENFORCEMENT 51—CRIMINAL LAW (2) I, E.

Elements of criminal law; the California Penal Code; specific offenses; elements of crime.

LAW ENFORCEMENT 52—LAW OF ARREST (2) II, E.

Rights and duties of peace officers, citizens and prisoners; warrants; techniques of arrest, searches and seizures.

LAW ENFORCEMENT 53—CRIMINAL INVESTIGATION (3) II, E.

Three hours lecture and three hours laboratory per week.

Principles and techniques of criminal investigation; scientific crime detection methods; laboratory practice in the techniques of investigation.

PREREQUISITE: Law Enforcement 51, 54, and 55.

LAW ENFORCEMENT 54—RULES OF EVIDENCE (2) II, E.

Obtaining and presenting evidence in court; elemental rules of evidence; weight and value of various types of evidence.

LAW ENFORCEMENT 55—POLICE RECORDS AND REPORTS (3) I.

A study of the structure and functions of the police record system from the administration aspect; complaint records; criminal files; cross index techniques; modus operandi; report writing; descriptions of persons and property; collateral police records; police statistical method and prediction of significant trends.

PREREQUISITE: Political Science 10a-10b.

LAW ENFORCEMENT 56—CRIMINAL IDENTIFICATION (3) I, E.

Theory and practice in the study of fingerprints, description of persons, and modus operandi in its application to individual characteristics.

LAW ENFORCEMENT 57—CRIME PREVENTION (3) II, E.

Nature and extent of juvenile delinquency; the problem of cause; methods of treatment and prevention; police problems and methods of dealing with juvenile delinquency.

PREREQUISITE: Sophomore standing. Recommended: Sociology or psychology; may be taken concurrently.

LAW ENFORCEMENT 58a-58b—GUNNERY (2-2) Yr.

A basic course in firearms training emphasizing the standard police sidearm including safety, range technique, and range firing. A number of sessions on field problems and range practice will be held on Saturdays during each semester.

LAW ENFORCEMENT 59—POLICE PROCEDURES (3) I, E.

Basic police procedures in beat patrol and observation, handling complaints, and the mechanics of arrest.

PREREQUISITES: Law Enforcement 51, 54, and sophomore standing.

LAW ENFORCEMENT 60a-60b-60c-60d-60e—POLICE TRAINING FOR PEACE OFFICERS (1-5) E.

Includes the study of laws of arrest, evidence, penal code, report writing, court appearance, field note-taking, investigation, beat patrol, interrogation, and public and race relations. The course is geared to meet the needs of peace officers and law enforcement agencies of this area.

LIBRARY SCIENCE

LIBRARY SCIENCE 50a-50b—(1 or 2) I, II.

A course of training in the use of books and libraries for students who wish to learn how to use libraries with greater efficiency, and for those who are interested in librarianship as a vocation. Two or four practice periods per week.

MATHEMATICS

MATHEMATICS A—ELEMENTARY ALGEBRA (3) I, II

An intensive one-semester course in elementary algebra covering fundamental operations, linear equations, factoring, graphing, exponents and radicals. This course is given for students who are deficient in high school algebra.

MATHEMATICS B—PLANE GEOMETRY (3) I, II.

An intensive one-semester course in the elements of plane geometry covering rectilinear figures, the circle, similar figures, ratio and proportion, and areas of plane figures. This course is given for students who are deficient in high school geometry.

PREREQUISITE: Elementary algebra.

MATHEMATICS C—TRIGONOMETRY (3) I, II, E.

Trigonometric functions of any angles; logarithms; solutions of triangles; trigonometric equations.

PREREQUISITES: One and one-half years of high school algebra and plane geometry.

MATHEMATICS D—INTERMEDIATE ALGEBRA (3) I, II, E.

Rapid review of elementary algebra; exponents; radicals; progressions; quadratic equations; systems of equations; logarithms; the binomial theorem.

PREREQUISITE: One year of high school algebra. This course is not open to students who have received credit for two years of high school algebra.

MATHEMATICS G—SOLID GEOMETRY (2) Not offered.

A study of points and lines in space and the properties of regular solids.

PREREQUISITE: Plane geometry.

MATHEMATICS 1—COLLEGE ALGEBRA (3) I, II.

Mathematical induction; determinants; inequalities; permutations and combinations; probability; partial fractions; higher equations; theory of equations.

PREREQUISITE: One and one-half years of algebra in high school or Mathematics D.

MATHEMATICS 2—MATHEMATICS OF FINANCE (3) II.

A study of graphs, logarithms, statistics, interest, annuities, life insurance, amortization, sinking funds, valuation of bonds and depreciation.

PREREQUISITE: Two years of high school algebra or Mathematics D.

MATHEMATICS 3a—ANALYTIC GEOMETRY AND CALCULUS (3) I, E.

The plotting of curves, loci, the geometry of the conic sections, the differentiation of algebraic functions and applications.

PREREQUISITES: Two years of high school algebra or Mathematics D; plane geometry; plane trigonometry. Recommended: Mathematics 1 taken concurrently.

MATHEMATICS 3b—ANALYTIC GEOMETRY AND CALCULUS (3) II.

The integration of algebraic functions, applications, exponential and logarithmic functions; the geometry, differentiation, integrations of the trigonometric functions; parametric equations.

PREREQUISITE: Mathematics 3a.

MATHEMATICS 4a—ANALYTIC GEOMETRY AND CALCULUS

(3) I.

Polar coordinates, transformation, space coordinates; partial differentiations.

PREREQUISITE: Mathematics 3b.

MATHEMATICS 4b—ANALYTIC GEOMETRY AND CALCULUS

(3) II.

Methods of integration, applications, multiple integrals, series.

PREREQUISITE: Mathematics 4a.

**MATHEMATICS 10—MATHEMATICS FOR ELEMENTARY
TEACHERS (3) I, II, E.**

Work and tests covering the operations of arithmetic; fundamental concepts; unit plan of organization of subject matter; analysis of skills and difficulties.

PREREQUISITES: Mathematics A and Mathematics B.

MATHEMATICS 19a—VECTORS AND ALLIED TOPICS (2) I.

A course which includes empirical equations, determinants, nomographs, vector addition, vector dot and cross products with their applications.

Should be taken concurrently with Mathematics 4a.

PREREQUISITE: Mathematics 3b.

MATHEMATICS 19b—ELEMENTARY DIFFERENTIAL EQUATIONS

(2) II.

A study of the differential equation of the first order and first degree, first order and higher degree, applications, total differential equation, linear differential equations.

Should be taken concurrently with Mathematics 4b.

PREREQUISITE: Mathematics 4a.

MATHEMATICS 20—SLIDE RULE (2) I, II, E.

Adjustment, operation, and the theory of the slide rule; computation rules, graphical methods, interpolation, logarithms.

PREREQUISITE: Mathematics C; may be taken concurrently.

MATHEMATICS 50—REVIEW OF ARITHMETIC FUNDAMENTALS

(2) I, II.

Drill in the fundamentals with emphasis on fractions, decimals, and percentages.

MILITARY

MILITARY 1—MILITARY SCIENCE (4)

Satisfactory completion of at least one year of training in the military service of the United States.

MILITARY 2a-2b-2c-2d—MILITARY LEADERSHIP (1-1-1-1) I, II.

Three hours per week.

PREREQUISITE: Approval of instructor

MUSIC

MUSIC 1a-1b—STRING INSTRUMENTS: CLASS INSTRUCTION

(1-1) I, II.

Elementary instruction in violin, viola, cello, bass viol; tone production, bowing, technique, care of instruments.

MUSIC 2a-2b-2c-2d—DANCE BAND (1-1-1-1) I, II.

A terminal course which includes the organization, training procedures, arranging, vocals and other phases of dance band work. Public performance. Designed for the student desiring to enter the field of professional dance music, radio or theatre orchestra work.

PREREQUISITE: Permission of the instructor.

MUSIC 3a-3b—WOODWIND INSTRUMENTS; CLASS INSTRUCTION

(1-1) Yr.

3a—Elementary instruction; correct tone production; technique and care of instruments; emphasis on clarinet.

3b—Continuation of 3a with emphasis on flute, oboe, saxophone and bassoon.

MUSIC 4a-4b—MUSICIANSHIP (1-1) Yr.

Simple rhythmic notation; scales, intervals, triads; melodies in major mode, emphasizing the tendency of tones individually and their significance in groups; music reading of material containing simple tonal relations and simple rhythmic designs; phrasing and general principles of musical interpretation. Should be taken concurrently with Music 12a-12b.

MUSIC 5a-5b—ADVANCED MUSICIANSHIP (1-1) Yr.

Continuation of Music 4a-4b. Diatonic and chromatic modulation, altered chords.

PREREQUISITES: Music 4a-4b. Should be taken concurrently with Music 14a-14b.

MUSIC 6a-6b—BRASS AND PERCUSSION INSTRUMENTS: CLASS

INSTRUCTION (1-1) Yr.

6a—Elementary instruction; correct tone production, technique and care of instruments.

6b—Continuation of 6a.

MUSIC 7a-7b-7c-7d—ADVANCED ORCHESTRA (1-1-1-1) I, II, E.

A course designed for students and adults who are proficient in playing their instruments. The orchestra prepares music for accompaniment for oratorio and light opera. Participation in public performances expected.

Two hours classwork.

PREREQUISITE: Permission of the instructor.

MUSIC 8a-8b-8c-8d—COLLEGE CHOIR (1-1-1-1) I, II.

A study of the best choral literature for mixed voices, with emphasis on tone production, precision and sincerity of ensemble interpretation.

PREREQUISITE: Permission of the instructor.

MUSIC 9—MUSIC FOR ELEMENTARY TEACHERS (3) I, II, E.

Introduction to basic music skills. Fundamentals of music, piano keyboard, writing and reading music, singing unison and part songs, playing simple melodic and rhythmic instruments, conducting.

MUSIC 10—APPRECIATION

OF MUSICAL LITERATURE (2) I, II.

Designed to aid the average student in developing an understanding and enjoyment of the music of the great composers. No previous musical training required. Special emphasis given to the problems of the musically untrained listener.

MUSIC 12a-12b—BEGINNING THEORY (Formerly MUSIC 12, 13)

(3-3) Yr.

This course includes the fundamentals of music notation and the use of chords in harmonizing melodies and basses in both major and minor keys. Simple ear-training and keyboard harmony included. Should be taken concurrently with Music 4a-4b.

MUSIC 14a-14b—ADVANCED THEORY (Formerly MUSIC 14, 15)

(3-3) Yr.

Continuation of Music 12a-12b. Diatonic and Chromatic Modulation, altered chords.

PREREQUISITES: Music 12a-12b.

Should be taken concurrently with MUSIC 5a-5b.

MUSIC 16a-16b—MUSIC HISTORY (2-2) Yr.

16a—The history of music from primitive times to the eighteenth century

16b—A continued study to the present.

No prerequisite for Music 16b.

MUSIC 17a-17b—ORCHESTRATION (2-2) Yr.

17a—Range, technique, timbre, transposition of band and orchestral instruments; exercises in orchestration for individual instrumental choirs.

PREREQUISITES: Music 4a-4b, 12a-12b.

17b—Scoring for small instrumental combinations and for full band and orchestra.

PREREQUISITE: Music 17a.

MUSIC 18a-18b—MARCHING BAND (2-2) I.

Rehearsal and participation in performances for athletic and other college functions. Some extra-class time is required for public appearances of the group.

MUSIC 19a-19b—CONCERT BAND (1-1) II.

The study and performance of standard band music, with special attention to interpretation, tone, technique, and general effect. Planned for those interested in improving their musicianship.

PREREQUISITE: None.

MUSIC 20—APPRECIATION OF THE OPERA (2) I, II.

Complete opera recordings of selected composers.

MUSIC 21—BEGINNING PIANO (1) I, II.

PREREQUISITE: None.

MUSIC 22a-22b-22c-22d—INTERMEDIATE PIANO (1-1-1-1) I, II.

PREREQUISITE: Music 21 or consent of instructor.

PHILOSOPHY

PHILOSOPHY 6a-6b—INTRODUCTION TO PHILOSOPHY (3-3) Yr.

This course in philosophy is presented by types or typical world views. It attacks the fundamental problems by acquainting the student with representative thinkers and major philosophical systems, and aims to make the subject as practical as possible.

PREREQUISITE: None.

PHILOSOPHY 10a-10b—HISTORY OF PHILOSOPHY (3-3)

Not offered 1956-57.

This is a course in the history of philosophy, chronologically considered, treating of the major philosophers from the pre-Socratic to the Scientific Era.

PREREQUISITE: None.

PHOTOGRAPHY

PHOTOGRAPHY 51—ELEMENTARY PHOTOGRAPHY (1) I, II, E.

A lecture course designed to give knowledge of the fundamentals of the photographic process.

PHOTOGRAPHY 52—ELEMENTARY PHOTOGRAPHY (1) I, II, E.

A three-hour laboratory course to acquaint the student with the fundamental techniques of the photographic process.

PREREQUISITE: Instructor's permission or Course 51 taken concurrently.

PHOTOGRAPHY 53a-53b—ADVANCED PHOTOGRAPHY (2-2)

Not offered 1956-1957.

One hour discussion, three hours laboratory.

Advanced problems in photographic techniques.

PREREQUISITE: Permission of the instructor.

PHYSICAL EDUCATION

A wide range of activities adapted to the various needs, interests, and capacities of the students is offered. Two units of general physical education activities are required for graduation. Not more than one unit in general activities may be earned in any one semester. All regular students, under 25 years of age, are required to participate in a physical education class for at least two periods each week.

Students majoring in Health and Physical Education or Recreation are encouraged to study carefully the course requirements in the college or university to which they expect to transfer in order that they may complete the proper lower division requirements in the junior college.

PHYSICAL EDUCATION—GENERAL ACTIVITY ($\frac{1}{2}$ each) I, II.

Physical Education 1a-1b—Archery

Physical Education 2a-2b—Badminton

Physical Education 3a-3b—Bowling

Physical Education 4a-4b—Boxing

Physical Education 5a-5b—Folk and Square Dance

Physical Education 6a-6b-6c-6d—Modern Dance

Physical Education 7a-7b—Social Dance

Physical Education 8a-8b—Golf

Physical Education 9a-9b—Swimming

Physical Education 10a-10b—Tennis

Physical Education 11a-11b—Tumbling

Physical Education 12a-12b—Weight Lifting

Physical Education 13a-13b—Wrestling

Physical Education 14a-14b—Cross Country

Physical Education 15a-15b—General Activities—Not listed

No Physical Education course may be repeated. An advanced course will be offered to the fourth semester student.

The 50 courses are for students who excel in athletic ability and wish to participate in the inter-collegiate program competing against other junior colleges within the Central California Conference. These students participating in this program are also expected to work toward demonstrating minimum ability in at least one activity in any one of the several recreational groups which is not a duplicate of their team activities. Students intending to enter this program are advised to plan their regular schedules to include

a minimum of ten hours per week during the seasons of each competitive sport entered.

Physical Education 50a-50b—Varsity Football (1-1) I.

Physical Education 51a-51b-51c-51d—Varsity Basketball (1-1-1-1)
I, II.

Physical Education 52a-52b—Varsity Baseball (1-1) II.

Physical Education 53a-53b—Varsity Track (1-1) II.

Physical Education 54a-54b—Varsity Tennis (1-1) II.

Physical Education 55a-55b—Swimming (1-1) II.

Physical Education 56a-56b—Boxing (1-1) II.

Physical Education 57a-57b—Golf (1-1) II.

Physical Education 58a-58b—Cross Country (1-1) I.

PSYCHOLOGY

PSYCHOLOGY 1a—GENERAL PSYCHOLOGY (3) I, II, E.

The introductory course in psychology is a survey of the processes of adjustment, growth, learning, remembering, perceiving, thinking, sensation, and emotion.

PREREQUISITE: Open to all Sophomores and all second-semester Freshmen and to qualified first-semester Freshmen.

PSYCHOLOGY 1b—FIELDS OF PSYCHOLOGY (3) I, II.

A survey of the fields of contemporary psychology such as social, abnormal, child, educational, and vocational. Local kindergartens and clinics are visited.

PREREQUISITE: Psychology 1a with a grade of "C" or better, or with the instructor's approval.

PSYCHOLOGY 19—FUNDAMENTALS OF LEADERSHIP (1) I.

A course for members of the student executive board and other interested students for the study of the student body constitution, parliamentary procedures, organization, publicity, and finance, and for the development of leadership qualities.

PSYCHOLOGY 33—PERSONAL AND SOCIAL ADJUSTMENT (3)
I, II, E.

The development of normal personality and the study of problems of social adjustment.

PREREQUISITE: Psychology 1a.

PSYCHOLOGY 51—PSYCHOLOGY OF PERSONAL ADJUSTMENT
(3) I, II, E.

A course designed to give students an understanding of the development of personality and of factors that promote emotional adjustment.

SCIENCE

ANATOMY 1—HUMAN ANATOMY (4) I.

Three hours lecture and three hours laboratory per week.

A study of the body first as an integrated whole, followed by a consideration of the organ systems in succession with enough histology to make the study of gross structures more meaningful. Designed to meet the requirements for pre-nursing courses and as a cultural course in human biology.

PREREQUISITE: None. High school biology and chemistry are recommended.

ASTRONOMY 10—SURVEY OF ASTRONOMY (3) I, II, E.

Three hours lecture per week.

A non-technical course in astronomy with emphasis on an understanding and an appreciation of the wonders of the universe combined with a study of the constellations. One or more evening observation periods required.

PREREQUISITE: High school algebra and geometry recommended.

BACTERIOLOGY 1—GENERAL BACTERIOLOGY (4 or 5) I.

Three hours lecture and three or six hours laboratory per week.

Lectures cover history, morphology, biochemical activities, effects of physical and chemical agents, and an introduction to infection and disease.

The microbiology of the soil, air, water, foods, and industry are also considered.

Laboratory exercises deal with morphology and the physiology of bacteria.

A student who has credit in Bacteriology 2 may earn not more than three units for Bacteriology 1.

PREREQUISITES: Chemistry 1a and Botany 1, Zoology 1a, or Physiology 1.

BACTERIOLOGY 2—ELEMENTARY BACTERIOLOGY (4) I, II.

Three hours lecture and three hours laboratory per week.

A course designed to give the pre-nursing student an understanding of the principles of bacteriology, including disinfection, immunity, and the specific agents of disease.

PREREQUISITE: None. High school chemistry and a biological science are recommended.

BIOLOGY 1a—PLANT BIOLOGY (4) I, II.

Two hours lecture and six hours laboratory per week.

A survey course of the plant kingdom designed to enrich the cultural background of any student, and serve as a prerequisite for further study in

Biology. Not open to students who have had a previous college course in Botany.

Biology 1a is not prerequisite to Biology 1b.

BIOLOGY 1b—ANIMAL BIOLOGY (4) I, II.

Two hours lecture and six hours laboratory per week.

A survey of the animal kingdom designed to enrich the cultural background of any student, and serve as a prerequisite for further study in Biology. Not open to students who have had a previous college course in Zoology.

Biology 1a is not prerequisite to Biology 1b.

BOTANY 1—GENERAL BOTANY (5) I, II.

Three hours lecture and six hours laboratory per week.

An introductory study of the basic principles of plant morphology, taxonomy, ecology, physiology, heredity, and evolution.

BOTANY 10—SURVEY OF BOTANY (3) I, II, E.

A course designed for students who desire general knowledge of plant life without spending time in the laboratory. Three lectures a week covering the same material as the lectures in Botany 1.

CHEMISTRY 1a-1b—GENERAL CHEMISTRY (5-5) I, II.

Three hours lecture and six hours laboratory per week.

A study of the fundamental theories and laws of chemistry, the application of mathematics to chemistry, and an introduction to laboratory qualitative analysis. This is a basic course for those intending to enter the professional fields which require chemistry as a foundation course.

PREREQUISITE: High school chemistry or permission of the instructor.

CHEMISTRY 2a-2b—GENERAL CHEMISTRY (3-3) Yr.

Two hours lecture and three hours laboratory each week.

A study of the fundamental theories and laws of chemistry.

PREREQUISITE: High school chemistry or the permission of the instructor.

CHEMISTRY 5—QUANTITATIVE ANALYSIS (3) II.

One hour lecture, one hour recitation, six hours laboratory per week.

An introductory course in the fundamental principles of quantitative analysis with a theoretical treatment of the laws and theories which apply and general instructions in various methods of gravimetric and volumetric analysis. For students interested in medicine, clinical work, petroleum, or chemical industries in general.

PREREQUISITE: Chemistry 1a or 1b with a grade of "C" or better.

CHEMISTRY 8—ORGANIC CHEMISTRY (3) I.

Three hours lecture per week.

A study of the fundamental theories and laws of the chemistry of the aliphatic and aromatic carbon compounds. Designed primarily for majors in pre-medicine, pre-dentistry, related biological fields, and engineering.

PREREQUISITE: Chemistry 1a or 1b with a grade of "C" or better.

CHEMISTRY 9—ORGANIC CHEMISTRY (3) II.

One hour lecture and six hours laboratory per week.

A study of the properties and reactions of the common types of carbon compounds. Designed as the laboratory for Chemistry 8.

PREREQUISITE: Chemistry 8, which may be taken concurrently.

CHEMISTRY 53—GENERAL CHEMISTRY (3) I, II.

An introduction to the theories, laws and concepts of chemistry. Practical applications of chemistry in daily living will be stressed. This course is suitable for students needing an introductory course in chemistry before studying Chemistry 1a. It will satisfy, in most cases, the chemistry requirements for students not interested in a four-year degree, but who plan to enter a pre-nursing hospital training program.

ENTOMOLOGY 82—ECONOMIC ENTOMOLOGY (3) I, E.

General study of western insects; life cycles, economic importance and control.

FIELD NATURE STUDY 10a-10b-10c—(1 or 2) II.

A field course designed to acquaint students with natural phenomena as they exist out-of-doors. Trips are taken to areas suitable for study of plant and animal life, geology and other phases of Natural Science.

Offered during Easter vacation and first part of summer vacation. One-unit courses offered at other times when shorter periods are available.

No prerequisites; some knowledge of Biology desirable.

GEOLOGY 1a—PHYSICAL GEOLOGY (3) I, II, E.

Four hours lecture and laboratory per week.

A consideration of the composition and structure of the earth, and the internal and external processes which modify the crust and surface. One or more field excursions on Saturdays.

PREREQUISITE: None. Chemistry recommended.

GEOLOGY 1b—HISTORICAL GEOLOGY (3) II.

Three hours lecture per week.

A study of the geologic history of the earth, as shown by the changing patterns of land and sea, and by succession of flora and fauna. One or more field excursions on Saturdays.

PREREQUISITE: Geology 1a.

GEOLOGY 10—SURVEY OF PHYSICAL GEOLOGY (3) E.

A survey of the nature and structure of the materials composing the earth and of the processes that shape the earth's surface. Field trips.

Not open to students who have taken or are taking Geology 1a.

METEOROLOGY 1—ELEMENTARY METEOROLOGY (3) I, II, E.

Three hours lecture per week.

A brief general course, designed to give the student an insight into the physical processes and laws underlying the phenomena of weather and climate. Meets the needs of the general student in addition to covering the specialized material ordinarily required for the commercial pilot ground curriculum.

MINERALOGY 1a-1b—GENERAL MINERALOGY (2-2) E.

One hour lecture and three hours laboratory per week.

An elementary course in the identification of the common rock and ore minerals. Laboratory practice in the determination of minerals by crystal form and by chemicals and blowpipe analysis. One or more field excursions on Saturdays. Not offered 1956-1957.

NATURE STUDY 10a—NATURE STUDY FOR ELEMENTARY TEACHERS (3) I.

Two hours lecture and three hours laboratory.

A nature study approach to the study of the more common animals, plants and natural phenomena. Subject matter for the fall semester will be obtained from the exploration of large areas such as: the vacant lot, the seashore, the creek or pond, signs of winter and animals of city and country. Some Saturday field trips required.

NATURE STUDY 10b—NATURE STUDY FOR ELEMENTARY TEACHERS (3) II.

Two hours lecture and three hours laboratory.

A nature study approach to the study of the more common animals, plants and natural phenomena. Subject matter for the spring semester will be obtained from the exploration of such areas as: the stars above us, the earth and its rocks, signs of spring, the open fields in spring, how plants grow, etc. Some Saturday field trips required.

PALEONTOLOGY 10—(3) II.

Two lectures and one demonstration section per week.

General principles of the history of life. Structures and development of animals and plants revealed in the fossil record. One or more field excursions on Saturdays.

PREREQUISITE: None. Biology 1a or Geology 1a are recommended.

PHYSICS 1a-1b—GENERAL PHYSICS (3-3) Yr.

Three hours lecture and two hours laboratory each week.

Fundamental treatment of the general principles of physics for the pre-engineer and pre-physical scientist. The topics considered in this first-year course are: Mechanics, properties of matter, hydraulics, heat and sound.

PREREQUISITE: Mathematics 3a concurrently. High school physics and/or high school chemistry recommended.

PHYSICS 1c—GENERAL PHYSICS CONTINUED (3) I.

Three hours lecture and two hours laboratory each week.

Fundamental theoretical treatment of electricity and magnetism.

PREREQUISITE: Physics 1a-1b and Mathematics 3a-3b.

PHYSICS 1d—GENERAL PHYSICS CONTINUED (3) I.

Three hours lecture and two hours laboratory each week. Fundamental optics and modern physics.

PREREQUISITES: Physics 1a-1b and Mathematics 3a-3b.

PHYSICS 2a-2b—GENERAL PHYSICS (3-3) Yr.

Three hours lecture per week.

A survey course in physics covering properties of matter, mechanics, heat, sound, light, electricity, and magnetism. Required for pre-medical students. May be taken by other students as an elective to satisfy science requirements.

PREREQUISITE: Trigonometry or Mathematics C.

PHYSICS 3a-3b—GENERAL PHYSICS LABORATORY (1-1) Yr.

One three-hour laboratory each week in which students may work out experiments dealing with the phases of physics covered in Physics 2a-2b. Should be taken concurrently with Physics 2a-2b.

PHYSICS 10—SURVEY OF PHYSICS (3) I, II, E.

A survey of mechanics, heat, optics, electronics and atomic physics.

PREREQUISITE: High school algebra. Geometry recommended.

PHYSICS 19a-19b—ELEMENTARY ELECTRONICS (3-3) Yr., E.

Three hours lecture each week.

A lecture, demonstration, and laboratory course for the beginner. It is designed to develop an ability to reason how electrons will react when under the influence of electric and magnetic fields within conductors and electron tubes.

PHYSICS 20a-20b—FUNDAMENTAL ELECTRONICS (3-3) Yr.

Two hours lecture and three hours laboratory each week.

A course concerned with the design and application of vacuum tubes in amplifiers, oscillators, and special circuits. Radio and TV transmission and reception are considered in some detail.

PREREQUISITE: Physics 1a or 2a or 19a-b, or equivalent.

PHYSICS 23a -23b—ELECTRONICS LABORATORY (1-1) or (2-2) Yr.

Three or six hours laboratory per week.

Laboratory time to be devoted to electronic tests and measurements.

PHYSICS 45—ELEMENTARY NUCLEAR PHYSICS (1) II.

Non-mathematical theoretical approach to atomic structure, to practical atomic energy and their application to the modern world. Demonstrations of radio-activity will be given. Ionization survey chambers, pocket dosimeters, geiger counters, as used in the laboratory and in Civil Defense by the State of California will be utilized. Elementary physics or chemistry desirable, although not required.

PHYSICS 53—ELEMENTARY PHYSICS (3) I.

Two hours lecture and three hours laboratory per week.

An introduction to the theories, laws and concepts of physics. The practical applications to industry and modern life will be stressed. The course is suitable for students needing an introductory course in physics before studying Physics 1a.

PHYSICS 61—ELECTRICITY (2) E.

One hour lecture and three hours laboratory per week.

An elementary course covering electricity, magnetism, and electronics.

PHYSICS 62—INDUSTRIAL ELECTRONICS (2) E.

One hour lecture and three hours laboratory per week.

A continuation of Physics 61 covering certain industrial applications.

PREREQUISITES: High school algebra and trigonometry are recommended.

PHYSIOLOGY 1a—INTRODUCTORY PHYSIOLOGY (3) II.

Three hours lecture per week.

A survey of the systems of the body and their functions. Special emphasis is placed upon the functional interrelationships of the neuro-muscular, circulatory, respiratory, digestive, and endocrine systems. This course will satisfy the requirements of pre-nursing and physical education majors, and of a general cultural course in life sciences.

PREREQUISITE: None. Anatomy 1a is recommended. Physiology 1c should be taken concurrently.

PHYSIOLOGY 1c—INTRODUCTORY PHYSIOLOGY LABORATORY (1 or 2) II.

Three or six hours laboratory per week.

A course covering experimental phases of the lecture material. The experiments cover nerve muscle preparation and recordings, sensory appa-

ratus, blood pressures and clinical blood examinations, respiration, chemistry of food, urinalysis.

PREREQUISITE: Physiology 1a, which may be taken concurrently.

Note: Students should check the requirements of the college to which they intend to transfer before signing up for less than two units of laboratory. **ZOOLOGY 1a-1b—GENERAL ZOOLOGY (4-4) Yr.**

Two hours lecture and six hours laboratory per week.

An introductory study of the basic principles of animal morphology, taxonomy, ecology, physiology, embryology, heredity, and evolution. This course satisfies the zoology requirements of pre-medicine, dentistry, agriculture.

ZOOLOGY 10—SURVEY OF ZOOLOGY (3) I, II, E.

Three hours lecture per week.

An introductory study of the basic principles of animal life. Open to those students who have no previous course in college zoology.

SOCIAL SCIENCE

ECONOMICS 1a-1b—PRINCIPLES OF ECONOMICS (3-3) I, II.

An introduction to the fundamental principles of economics. The areas of production, exchange, consumption and distribution of the rights to use goods are studied with particular emphasis placed upon factors influencing prices, the nature of capitalism, the role of government in economic life, and special economic problems confronting the United States.

ECONOMICS 10—FUNDAMENTALS OF ECONOMICS (3) I, II.

A study of the general principles underlying economic activity and their relation to present American economic conditions and problems. This is for the student who desires a less intensive course than that presented in Economics 1a-1b.

ECONOMICS 50—ECONOMICS FOR BANKERS (AIB) (3) E.

This course covers the economic concepts of consumption, distribution, and exchange, including the organization of business, the regulation of public utilities, capital and labor, business cycles, international trade, and American economic policies.

GEOGRAPHY 1—PHYSICAL AND CULTURAL GEOGRAPHY

(3) I, II.

A systematic study of the physical elements of geography—climate, land forms, map projections, natural vegetation, soils—combined with a study of the world's natural and cultural regions and their relationship with the physical patterns of the earth's surface.

GEOGRAPHY 2—REGIONAL GEOGRAPHY (3) II.

A study of the major regions of the world and their constituent coun-

tries. The physical setting, population patterns, natural resources, and economic development of each country are covered.

HISTORY 4a-4b—HISTORY OF WESTERN EUROPE (3-3) Yr.

The evolution of western civilization from antiquity to the contemporary scene. The course presents a general perspective through a consideration of the development of religious, political, intellectual, and economic institutions. The aim is to lay a foundation for the understanding of contemporary problems.

HISTORY 8a-8b—HISTORY OF THE AMERICAS (3-3) Yr.

A general survey of the history of North, Central, and South America. Emphasis the first semester is on the European inheritance, colonial development, and international rivalry. The second semester is devoted to the wars of independence, the development of the American nations, and their inter-relations during the nineteenth and twentieth centuries.

This six-unit course fulfills state requirements in American History.

HISTORY 10—AMERICAN HISTORY (3) I, II, E.

This course is designed, when used with Political Science 5, to fulfill the state requirement in American history for the student. A brief survey of the development of American economic, political, and social institutions. Traces the founding of the American colonies, the American revolution, the western movement, the era of sectional conflict, and the recent history of the United States.

HISTORY 17a-17b—HISTORY OF THE UNITED STATES (3-3) Yr.

A detailed study of the history of the United States from the colonial period to the present. History 17a covers the period of United States history from the colonial period through the Civil War. History 17b covers the period from the Civil War to the present. Social, cultural, intellectual and political developments are presented as a part of the development of American democracy.

This six-unit course fulfills state requirements in American History and is recommended for University transfer students.

HISTORY 29—THE UNITED STATES IN THE TWENTIETH CENTURY (3) I, E.

The development of the United States as a rapidly growing world power, with the attendant problems and responsibilities. A discussion of the impact on American ideas and institutions by the ever-growing triumvirate of big business, big labor, and big agriculture. Will also serve to emphasize the growing complexity of our national life. Does not satisfy the state requirement in American history.

Metal Trades

0a-60b—WELDING (3-3) Yr., E.

rs per week.

welding materials, supplies, tools and equipment. Welding
; arc welding and acetylene welding and cutting equipment.

64a-64b—ELEMENTARY MECHANICS (3-3) Yr., E.

rs per week.

ductory course covering the study of materials, processes, tools
in the general metal field. Project construction on layout,
lding, foundry, heat treating, sheet metal and machine shop.

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I, II, E.

ican economic, political and

American History.

those students not interested

GOVERNMENT (3) I, II.

inciples, governmental insti-
major governments of the

AND LOCAL

problems of national, state,
on, the Constitution of the

in the Constitution of the
ts of California.

ADMINISTRATION OF

tion, and brief history of
justice. Course 10b is a
management of municipal

ONAL, STATE AND

blems of national, state,
the Constitution of the

the Constitution of the
f California.

students not interested

BIOLOGY (3-3) I, II.

the and understanding of
growth of culture, human

LIFE (2) I, II.

ter insight into family
various family mem-
society; choosing a

MECHANICS 65a-65b-65c-65d—MACHINE SHOP (3-3-3-3) I, II, Yr.
Five hours per week.

Study of materials, supplies, tools and equipment. Project construction involving layout, set-up, and operation of jobs on lathes, drill presses, grinders, milling machines, and shapers.

PREREQUISITE: Mechanics 64a-64b.

MECHANICS 70—COMMERCIAL ELECTRIC WIRING (5) E.

A 140-hour apprentice course covering the theory of electricity, National Electrical Code requirements, reading electrical blueprints, and practical supervised experience.

