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COLLEGE CALENDAR

1945-1946

1945

AUTUMN QUARTER

Sept. 13 Thursday, 9:00-11:00 Pre-Registration Tests
Sept. 13 Thursday, 9:00-4:00 Registration
Sept. 14 Friday, 9:00-4:00 Registration
Sept. 17 Monday, 9:00 Instruction begins
Nov. 22, 23 Thursday, Friday Thanksgiving recess
Dec. 14, 17, 18 Fri., Mon., Tue., Autum Quarter Examinations

Recess from December 19 to January 1, inclusive

1946

WINTER QUARTER

Jan. 2 Wednesday, 9:00-10:30 Pre-Registration Tests
Jan. 2 Wednesday, 9:00-4:00 Registration
Jan. 3 Thursday, 9:00 Instruction begins
March 20-22 Wednesday-Friday Winter Quarter Examinations

Recess from March 23 to March 31, inclusive

SPRING QUARTER

April 1 Monday, 9:00-4:00 Registration
April 2 Tuesday, 9:00 Instruction begins
May 30 Thursday Memorial Day; a holiday
June 10-12 Monday-Wednesday Spring Quarter Examinations
June 12 Wednesday, 8:00 p.m. Commencement
DIRECTORY

ADMINISTRATION OFFICES: At the right of Terracina archway

Director 4310, Station 10
Registrar 13
Dean of Women 12
Office Secretary 11
Guidance Office 15

LIBRARY: North side of the Quadrangle

ADULT EDUCATION DEPARTMENT: Room 101 14

BOOK STORE: Room 117 16

STUDENT BODY OFFICE: Room 117 16

WOMEN'S LOUNGE: Room 116

ARROYO OFFICE: Room 114

DEPARTMENTS OF INSTRUCTION: (Rooms are numbered consecutively beginning at the left of the archway)

Quadrangle, First Floor
Spanish 4310, Station 9
La Casa de Lenguas 102
French, German 103-105
Physics, Engineering 107
Physiology 108
Botany 109
Bacteriology 111
English 112-115
Secretarial Science 120
Music Auditorium
English: Public Speaking, Dramatic 4310, Station 3
Auditorium

Quadrangle, Second Floor
Chemistry 201-205
Zoology, Biology 206, 207
History, Sociology 208, 211
Economics, Political Science 209, 211
Mathematics 210
Art 220
Basement
Geological Sciences 20, 22, 25
Physics: Photographic Laboratory 23, 24

Applied Arts Building 4310, Station 20
Printing Basement
Mechanics Building 4310, Station 1
Electric Shop 4310, Station 6
Machine Shop 303, 308
Auto Mechanics 304, 305
Mill Cabinet 306, 307
Household Arts and Science Building 400
Orchestra Building 400
Cafeteria 4310, Station 2
Men's Gymnasium 4310, Station 9
Women's Gymnasium 4310, Station 3
OFFICERS OF ADMINISTRATION

THE BOARD OF TRUSTEES

MRS. WILLARD G. BABCOCK (1948)
CHARLES BEAUDREAU (1948)
MRS. E. M. BONNETT, JR. (1947)
J. NORMAN I R V I N G (1947)
RUSSELL S. WAITE (1945)

3525 Pine Street
5845 Grand Avenue
7515 Victoria Avenue
6499 Hawarden Drive
Office: Evans Block

OFFICERS OF THE BOARD

President: MRS. E. M. BONNETT, JR. Vice Pres.: RUSSELL S. WAITE
Clerk: MRS. WILLARD G. BABCOCK

SUPERINTENDENT OF SCHOOLS

IRA C. LANDIS School Administration Building

ASSISTANT SUPERINTENDENT OF SCHOOLS

CARL C. CRESS School Administration Building

EXECUTIVE OFFICERS

Director: ARTHUR G. PAUL Registrar: THOMAS G. ALLISON
Dean of Women: FRANCES M. FRASER Director of Guidance: JEAN THAYER

Librarian: VIVIAN W. SPENCER Office Secretary: MARY ANDERSON
Bursar: HARRY DANGERFIELD

FACULTY
1944-45

EMERITUS LIST

BOARDMAN, HARRY L. Concord, California
   Philosophy, Sociology
   A. B., Colfax College; D. D., McMinnville (now Linfield) College;
   A. M., University of California. At Riverside Junior College, 1920-
   1938

COOPER, AGNES B. 3743 Ramona Drive 2612-W
   Librarian
   A. B., University of Illinois, Phi Beta Kappa. At Riverside Junior
   College since June 1944.

EGGLESTON, JULIUS WOOSTER Cuttingsville, Vermont
   Geology, Mineralogy
   B. S., Amherst College, Phi Beta Kappa; A. M., Harvard Uni-
   versity; Ph. D., Harvard University. At Riverside Junior College,
   1919-1928, and 1937-1941

MOORE, N. O. 4838 Howard Avenue 1843-J
   Printing

TEST, CHARLES DARWIN 4486 Sixth Street 2612-W
   Chemistry
   B. M. E., Purdue University; A. C., Purdue University. Graduate
   Student, University of Chicago, Colorado School of Mines, Univer-
   sity of Wisconsin, Konigliche Bergakademie (Freiberg, Sax-
   ony), Technische Hochschule (Berlin). At Riverside Junior
   College, 1924-1941.

ACTIVE LIST

ALLISON, THOMAS G. 4690 Rubidoux Avenue 2986
   Registrar, English
   A. B. (Cum Laude); A. M., L H. M., St. Mary's College, Califor-
   nia. Graduate student, University of California, and American
   Academy of Dramatic Arts. At Riverside Junior College since
   1929.

ANDERSON, ROBERT PATTON 3575 Rosewood Place 2651
   English
   A. B., Princeton University, Phi Beta Kappa; A. M., Princeton
   University. At Riverside Junior College since 1916.

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**FACULTY**

*BAILEY, WILLIAM RUSSELL*  
3661 Oakwood Place  
Chemistry  
A. B., Stanford University. Graduate student, Pomona College, and University of California; A. M., Claremont Colleges. At Riverside Junior College since 1933.

*BLISS, HOWARD H.*  
5621 Grand Avenue  
2732-W  
Physics, Engineering, Astronomy  
B. S., University of California, Sigma Xi; M. S., University of California. At Riverside Junior College since 1920.

*BRANDT, REXFORD*  
4429 Orange Street  
2269-M  
Art, and Director of Art Center  
A. B., University of California. Graduate student, Stanford University and Redlands University. Student in art with Richard Allman, Phil Dike, Barse Miller, and Paul Sample. At Riverside Junior College since 1937.

*CLARK, DR. HELEN S.*  
4219 Market Street  
2930  
Examining Physician for Women  
M. D., Stanford University, School of Medicine. At Riverside Junior College since September 22, 1944.

**COOPER, LAWFSON P.**  
2823 Prospect Avenue  
Art, Philosophy, Psychology  
A. B., Pomona College; A. M., Claremont Colleges. Graduate student, Bureau of University Travel, Harvard University. At Riverside Junior College since September 22, 1944.

*COOPER, RUTH*  
6770 Palm Avenue  
1894  
Botany, Zoology  
A. B., University of California. Graduate student, University of California, University of Wyoming, and Harvard University. At Riverside Junior College since 1937.

*DEBREAU, BERTHA J.*  
3555 4th Street  
5100-J  
Bacteriology, Hygiene, Psychology  
A. B., University of California; A. M., University of California. Graduate student, University of California (Hooper Foundation), Johns Hopkins School of Hygiene and Public Health, and Stanford University. At Riverside Junior College since 1931.

*ENGELMAN, JOHN I.*  
3870 Elmwood Drive  
3684-J  
Chemistry  
B. S., University of Nebraska. M. S. University of Southern California. At Riverside since April 4, 1943.

*FRASER, FRANCES MAXWELL*  
4570 Aurora Drive  
1020  
Dean of Women, Sociology  
A. B., Vassar College; A. M., Columbia University; diploma, Oxford University. At Riverside Junior College since 1923.

*FULLENDER, FRANCIS C.*  
4010 Beechwood Place  
5382-J  
Commerce  
A. B., Wabash College; A. M., University of Southern California. At Riverside Junior College since 1927.

*GILCHRIST, FRANCIS GABRIEL*  
2732 Iris Street  
1141-R  
Physiology, Biology  
A. B., University of California, Phi Beta Kappa, Sigma Xi; Ph. D., University of California. At Riverside Junior College since January, 1937.

*GILKESON, GLENN*  
1323 La Cadena Drive  
5312-J  
Baseball  
A. B., Nebraska State Teachers College, Peru, Nebraska; A. M., Teachers College, Columbia University. Graduate student, University of Southern California, and University of Wisconsin. At Riverside Junior College since 1939.

*HUNTLEY, CATHERINE S.*  
3668 Beechwood Place  
3179-W  
Physical Education  
A. B., University of Nevada; A. M., Columbia University. At Riverside Junior College since 1926.

*JAGER, EDMUND C.*  
4462 Sixth Street  
Zoology  
B. S., Occidental College. Graduate student, University of California and University of Colorado. At Riverside Junior College since 1922.

*KINSELL, DOROTHY M.*  
3811 Mt. Rubidoux Drive  
4461-W  
Spanish  
A. B., Pomona College; A. M., Columbia University. Graduate student, University of California at Los Angeles, Pomona College, Stanford University, University of Washington, Columbia University, University of Mexico, L'Alliance Francaise, University of Paris, France, Centro de Estudios Historicos, University of Madrid, Spain. At Riverside Junior College since 1942.

*Grant leave of absence, April 14, 1945, to enter military service.
*Grant leave of absence, September 29, 1943.
*Grant leave of absence, October 4, 1944.
LINHART, GEORGE A. 4185½ Lemon Street 1997-J  
Mathematics  
B. S., University of Pennsylvania; A. M., Yale University; Ph. D., Yale University, Sigma Xi. Graduate student, Massachusetts Institute of Technology and University of California. At Riverside Junior College since 1923.

McDERMONT, EARL ALEXANDER 3709 Washington Street 3926-R  
History, Sociology  
A. B., Occidental College; A. M., Columbia University. Graduate student, University of California and University of Montpellier, France. At Riverside Junior College since 1921.

MACKENZIE, MAURICE RUSSELL 4579 Ninth Street  
Economics, Political Science, Sociology  
B. S., (Cum Laude); Harvard University; Ed. M., Harvard University. Graduate student, University of Chicago. At Riverside Junior College, 1924-25, and since 1926.

MORRELL, DONALD C. 3520 Ramona Drive 5361-J  
Secretarial Science  
A. B., Findlay College; Diploma in Secretarial Science, Findlay College, School of Commerce; A. M., New York University, Delta Pi Epsilon. Graduate student, Bowling Green State University, and Western Reserve University. At Riverside Junior College since 1939.

MORTENSEN, JESSE P. 3575 Rosewood Place 5028  
Physical Education  
B. S., University of Southern California. Graduate student, University of Southern California. At Riverside Junior College since 1930.

MULKEY, WILLETTA M. 3120 Larchwood Place 3867-R  
Household Art  
A. B., M. S., Oregon State College. At Riverside Junior College since 1942.

MUMMA, C. W. 3343 Larchwood Place 0559-J  
Physical Education  
B. P. E., George Williams College, Chicago, Illinois. At Riverside Junior College 1923-1926, and since September, 1944.

*Granted leave of absence, December 18, 1942, to enter military service.
ORGANIZATION

FOUNDATION

Riverside Junior College was founded March 13, 1916, when, in response to a general petition of electors, the City Board of Education authorized the introduction of junior college courses in the Polytechnic High School. At the opening of the fall term, September 25, 1916, twenty-four such courses were offered in fifteen departments of study. The enrollment for the first academic year was one hundred ten.

Circumstances were favorable to the development of a junior college at Riverside. The Polytechnic High School had been recently built, and its equipment was suited to advanced work. Many of the faculty had taught in college. For the period from 1916 to 1921 the new institution functioned successfully as a department of the high school.

On May 27, 1921, the California State Legislature passed the Junior College Act, which authorized the formation of junior college districts in communities having a certain assessed valuation and a certain total average daily attendance in the high schools of the district.

In accordance with this act and by authority of the State Board of Education the Riverside Junior College District was formed in 1921, and the institution became thereby a district junior college. As now constituted, the district embraces, in addition to the City of Riverside, the communities of Alvord, Ferndale, Glenavon, Highgrove, Jurupa, Midland, Mira Loma, Moreno, Union Joint, and West Riverside. The City Board of Education constitutes

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1 Granted leave of absence June 30, 1944, for military service.
2 Granted leave of absence, December 17, 1941, to enter military service.
the governing board, but is separately organized as the Junior College Board of Trustees. The system of finance, as prescribed by the Junior College Act of 1921, provides a state apportionment of $2000.00 and, in addition, $90.00 for each unit of average daily attendance. This apportionment is supplemented by a district tax. The college is therefore part of a state-wide system of regional junior colleges designed to popularize education in cooperation with the State University and under advisory supervision of the State Board of Education.

The formation of the district suggested the advisability of erecting a separate group of buildings for the use of the College. Accordingly, property was purchased on Terracina Drive and Riverside Avenue as a site for the new campus. Two residences, which stood on the site (Gage Hall fronting on Terracina and the Collier cottage on Riverside Avenue), were used as temporary quarters. Bonds were voted on May 10, 1922, and again on January 18, 1927, which have given the Junior College its present physical plant on a separate campus, with its own library and laboratories, and its own faculty. Since 1927, certain other units have been added, the cost being defrayed by direct tax.

MANAGEMENT AND CONTROL
The management and control of the College are vested in a Board of Trustees of five members. These are chosen at the biennial city elections and hold office for four years.

AIMS AND FUNCTIONS
The Junior College has a two-fold aim and function:
(1) to provide two-year college curricula complete in themselves which, so far as possible, shall meet the needs and objectives of the individual student without reference to preparation for upper division work in a senior college or university;
(2) to provide courses corresponding to lower division university courses which will enable students who wish to continue their studies elsewhere to transfer without loss of time or credit. As an integral part of the state system of education, the Junior College aims specifically to satisfy the requirements of the University of California for admission to its upper division. Fulfilling the lower division requirements of the University of California is equivalent to fulfilling the lower division requirements of most standard colleges and universities.

THE COLLEGE YEAR
The College Year begins in the latter part of September and continues through three terms of approximately twelve weeks each. These terms are known as the autumn, winter, and spring quarters.

The ratio between units awarded on the quarter plan (as at Riverside Junior College) and units awarded on the semester plan (as at the University of California) is as three to two. Quarter units, therefore, may be converted into semester units by multiplying by two and dividing by three; semester units may be converted into quarter units by multiplying by three and dividing by two.

LOCATION AND CLIMATE
The Junior College is located at Riverside in the heart of the citrus belt, sixty miles east of Los Angeles. Riverside has an elevation of 871 feet and a population of about 35,000. It is on the lines of the Union Pacific, Santa Fe, Southern Pacific, and Pacific Electric railways. A seasonal rainfall of approximately 11 inches and a mean temperature of 59.3 degrees for the college year (September 15 to June 15) ensure climatic conditions which are exceptionally favorable for intensive study.

The main campus occupies a site at the junction of
Terracina Drive and Riverside Avenue. It is about a mile from the business district, and may be reached by automobile or by the Pacific Electric Motor Transit Lines. The academic buildings stand at the edge of a broad mesa overlooking an ancient watercourse, which was known to the Indians as Tequesquite arroyo from the tequesquite or "soap soil" once found there in abundance. In this natural stadium the physical activities are centered. At the eastern end of the arroyo lies a five acre tract, which serves as an auxiliary campus. Half of this property was deeded to the college in 1932 by Mr. and Mrs. A. C. Lovekin. The other half, including a three story residence, was acquired by purchase in 1935. The land, which is set with olive, walnut, and ornamental trees, has a frontage of 700 feet on Saunders Street. The buildings and grounds constitute the Art Center.

**BUILDINGS AND EQUIPMENT**

The central group of academic buildings consists of one- and two-story structures. The different units are grouped about an open court, and are connected by a continuous single or double-decked arcade except on the west side of the quadrangle. At this point the covered arcade of the upper tier gives place to an open deck with wrought iron balustrade. In style the buildings represent the best period of the Italian Renaissance. The gray walls of reinforced concrete with red tile roofing are reminiscent of Spanish missions. Except at the southwest corner the central group of buildings is complete.

On the north side of the quadrangle are grouped the Administration Offices and the Library; on the east and south most of the departments of letters and science; on the west the auditorium and the departments of Secretarial Science and Commerce.

Pronounced Te-kes-kee-te.

On the east side of Riverside Drive stands the two-story frame building which is used by the department of Household Arts and Science.

**LIBRARY**

The Library reading room, which is equipped with Library Bureau furniture, has seating accommodations for 90 students. The number of bound volumes is 17,719. Approximately 100 newspapers and periodicals are regularly received. The annual budget for books and magazines ranges from $1000.00 to $2000.00. The amount expended in 1943-1944 for new books and magazines was $679.43. The librarian, who devotes full time to the work, is a university graduate of extensive professional experience. Two assistants are employed.

The resources of the Riverside Public Library, with its 237,013 books, bound magazines, and government documents, are available to the College students.

**LABORATORIES**

Laboratories devoted solely to junior college work are maintained in bacteriology, botany, chemistry, engineering, geological sciences, physics, physiology, psychology, secretarial science, and zoology. The value of apparatus and permanent equipment in the several departments is as follows: agriculture and botany, $4950.00; bacteriology, $4800.00; chemistry, $9000.00; engineering, $2250.00; geology, $4000.00; household science, $800.00; physics, $13000.00; physiology, $1000.00; psychology, $300.00; secretarial science, $4500.00; zoology, $4300.00.

**ART AND MUSIC**

Special equipment in the Art department includes a projection machine and 1000 lantern slides. Available also is a loan collection of 3000 additional slides, many of these in full color. In the ceramics division there is a large Denver kiln, a smaller kiln, and four potter's wheels; in
the glaze laboratory two ball mills for grinding ram glazes, an electric test kiln, scales, and incidental tools. In the fine art division are found many reproductions of paintings by masters. Special equipment for fine and commercial art includes etching and block printing presses, compressor, air brushes, and cutawl.

The Music department facilities include upright pianos, a Steinway grand piano, Victor radio electrola, R. C. A. victrola, and a professional type electrical recorder designed to register the progress of voice students throughout the year.

SHOP EQUIPMENT

All shops are housed in a large, new building with modern facilities. All machines are motor driven. A partial inventory of equipment in the different shops is given herewith.

Auto Shop.—Precision valve reconditioning equipment, cylinder grinder, strobscope, electrical analyzer, battery charger, testing and repair tools, 30 ton hydraulic press, oxy-acetylene welder, 20" drill press, 21" lathe, body and fender repairing tools, paint spray gun, automatic air compressor, 102 electric grinder, surface grinder, special tools for various automobiles, individual tool boxes with hand tools.

Machine Shop.—36" x 8' planer; Kempsmith milling machine; LeBlond grinder, universal; 16" Steptoe shaper; 3' x 9' Cincinnati Bickford radial drill; ten South Bend precision tool room lathes; 16" hacksaw; 24" shaper; tool grinder; 15" blower; center grinder; buzzer furnace; drill presses; two 2 Van Norman milling machines; and a three-furnace heat-treating plant.

Mill Cabinet.—Twenty work benches, containing individual tools for each student; Oliver cut-off saw; American 12" jointer and Universal saw table; 24" single surface planer; 36" band saw; hollow chisel mortiser and tenoner; nine woodturning lathes and several small portable electric tools.

Paint Shop.—Three job presses; one flat-bed cylinder press; two monotype keyboards; one monotype caster; two linotypes; power paper cutter; wire stitcher; process embosser. The printing of the Register, Tequesquite, Arroyo, and Student Varieties, as well as all job work, is done by the College Press.

ORGANIZATION

Welding Shop.—One cutting torch; one grinder; eight 200 amp. Hornet portable arc welders; two 200 amp. portable P. & H. Hansen welders; and one cutting machine with radiograph.

Auditorium and Stage

The Auditorium, which is intended primarily as a student assembly hall, has a seating capacity of five hundred. The stage is unique in college architecture, opening, as occasion requires, either into the auditorium or upon the cloistered court, where open-air assemblies and commencement exercises are held. The indoor proscenium arch has a span of 20 feet 6 inches; the outdoor arch a span of 38 feet. The stage measures 41 x 44 feet.

The mural decorations in seven panels symbolize the achievements of order and design, as exemplified in aerial, agriculture, industrial, urban, electrical, governmental, and naval architecture.

The two-manual Kilgen organ is equipped with a full set of Deagan Class A chimes. The action is electro-pneumatic throughout. A double set of shutters allows the music to be heard either in the quadrangle or in the auditorium.

Gymnasium

The Gymnasium is located in the arroyo below the mesa on which the academic buildings stand. It is of reinforced concrete. The main hall with a floor space of 85 x 106 feet is flanked by galleries which will accommodate sixteen hundred spectators. In the wings beneath these galleries are the shower and locker rooms. Auxiliary rooms for special exercises are also provided, as well as individual offices for the department staff. Adjacent to the gymnasium are the athletic grounds, with two football fields, two hockey fields, a quarter mile track and a 220 straight-away, six tennis courts, ten basketball courts, twelve volley ball courts, a baseball diamond, and an auxiliary baseball practice field.
In the fall of 1930 reinforced concrete bleachers were built to accommodate spectators attending pageants, football games, and track and field meets. The seating capacity is two thousand.

To ensure safety, four main exits have been provided: one at each end of the bleachers, one at the lower center, and one at the rear, where a broad reinforced concrete bridge spans the gap between the bleachers and the hillside.

The front passageway is overhanging in design, and affords weather protection for contestants in track and field meets as well as for outdoor classes.

The space between the bleachers, which is divided by a tunnel into two equal parts, has been enclosed and furnished with offices and workrooms. The western half serves as the headquarters of the Reserve Officers Training Corps.

The College also concerns itself with controlling the academic activities of students whose health and strength do not admit of a normal curriculum, and with giving such students advice and instruction in the hope that their physical and mental health may be improved.

At the beginning of the Autumn Quarter the new student and the student who plans to participate in any sport supervised by the College is given a physical and medical examination by the College medical staff. Cases needing professional attention are referred to the physician or medical service of the student's choice.

Emergency treatment may be administered on the campus, but only temporary and limited aid is given. The Bacteriology department renders service in making tests and analyses. The City and County Health Department conducts a tuberculosis test of all College students who request the service. If necessary, X-rays are taken.

The College does not assume legal responsibility or obligation in the case of students who suffer injury while in athletic training or competition. Nevertheless, it is the policy of the College to pay, within certain limits, for the treatment of injuries thus received. This expense is normally covered by group insurance which is carried by the Associated Student Body.

Many students who wish to attend school find it necessary to earn part or all of their expenses. The College can not guarantee anyone employment, but it does undertake to assist worthy students in finding work suited to their abilities.

To this end (1) the Board of Trustees provides in its budget for the employment of a limited number of laboratory, clerical, and janitor assistants. (2) The College maintains a Placement Service Bureau, which attempts to
find part-time jobs for students while in college and permanent positions after graduation.

Students are cautioned against trying to carry a heavy academic program while under the necessity of self-support.

FINANCIAL STATEMENT FOR 1943-1944

Assessed valuation, Junior College District $43,624,360.00
Junior College District tax rate ..... .14
Balance, July 1, 1943 $41,665.70

Receipts:
State Junior College fund $45,580.12
Junior College District tax 40,835.28
War Production Training 428.73
Federal Housing fund 478.38
Evening School program 10,896.00
Other receipts 3,258.07

Total receipts ................................................. 118,173.45

Expenditures:
Salaries 77,927.58
Library: Books and magazines 679.43
Other expenses 7,801.10
Capital Outlay 461.95
Summer School Expenses 6,410.65
War Production Training 14,749.93
Evening School 15,452.58

Total of all expenditures 123,483.22
Balance July 1, 1944 $30,839.15

ADMISSION TO THE COLLEGE

IN FIRST-YEAR STANDING

Admission to the College in first-year standing may be granted to the applicant who is a certified graduate of a high school.

Admission requirements include: (1) written application on the forms provided by the College; (2) complete official transcript of the applicant's high school record, including honorable dismissal from the school last attended.

The application for admission may be submitted either in person or by mail. The transcript of record is sent to the Registrar, on request of the applicant, by the principal of the high school from which transfer is made. If so desired, both application and transcript may be sent by the principal. To afford ample time for evaluation of credits and to insure against delay at time of registration, all credentials should be filed as soon as possible after graduation. Admission may be granted provisionally to the student whose application, without credentials, is received on or after the appointed registration days in the Autumn, Winter, or Spring Quarter, but matriculation will be officially recognized as completed only when all credentials have been received and accepted.

IN ADVANCED STANDING

Admission in advanced standing may be granted to the student transferring from an institution of collegiate rank. Written application on the forms provided and official transcript of all high school and college work previously undertaken, including honorable dismissal from the institution last attended, are required.

SPECIAL STUDENTS

Admission as a special student may be granted to the applicant of college age who is not a high school graduate or who wishes to enroll for fewer than ten units.
ADMISSION TO THE COLLEGE

AUDITORS

By special permission, students may attend, as auditors, certain lecture or recitation classes in which they are not actively enrolled. Admission cards may be obtained at the Registrar's Office.

Auditors do not participate in class recitations or discussion; they do not submit material of any kind for reviews; they do not have laboratory privileges, nor do they receive any academic credit for the courses which they attend.

EXPENSES

STUDENT BODY MEMBERSHIP

No tuition is charged by the College, but a general student body membership fee is levied, payable at the time of registration. This fee is applicable to all students, regular and special, and may be paid at the beginning of the academic year, or by quarters, as follows:

- Autumn, Winter, and Spring Quarters: $10.00
- Winter and Spring Quarters: $7.00
- Spring Quarter: $4.00

In event of the student's withdrawal, the student body membership fee is refunded in whatever proportion is deemed equitable.

BOOKS AND EQUIPMENT

The cost of books and equipment depends upon the courses elected and the amount of work undertaken. The average yearly expenditure for books is $15.00 to $30.00; for materials $10.00 to $20.00. If secondhand books are purchased, the cost will be materially reduced. A complete list of texts and materials required for all courses, together with costs, will be published in a separate bulletin in September, 1945.

ROOM AND BOARD

The expense of room and board varies with the taste and resources of the student. Some students club together and reduce their expenses proportionally.

Because of the scarcity of rooms in Riverside students expecting accommodations should make arrangements long in advance of registration dates.
MATRICULATION

PRE-REGISTRATION TEST

The Thurstone Aptitude Test is given all students who apply for admission to the College in first-year standing. The purpose is not to determine what applicants shall be admitted, but to obtain information which will enable counselors to give the educational and vocational guidance best suited to each student’s need. The test is therefore an integral part of registration procedure, and as such is required for full matriculation. The times appointed for the tests are indicated in the Calendar on page 5 of this bulletin.

REGISTRATION

On the appointed days at the beginning of each quarter, all students are expected to present themselves at the College for registration.

Registration includes the filling out of the information card, the selection of a program of study, and payment of the student membership fee. Each student is assigned to a counselor (preferably in the field of the student’s major interest), who will aid him in the selection of his course of study and give him advice, at intervals throughout the year, when social or academic problems arise. The student may occasionally be called into conference with the counselor, but it is hoped that the student himself will take the initiative and seek counsel whenever occasion requires.

The registration card issued to the student admits him to class. It also serves as a certificate of membership in the Associated Student Body, including a year’s subscription to the Arroyo and the privilege of admission to all student body activities at the College.

After the first week of instruction the student must obtain the written approval of each instructor in whose class he desires to enroll before proceeding with matriculation. Approval forms may be obtained at the Office.
After the third week of each quarter registration is closed except to those who transfer directly from other colleges or universities.

**STUDY LIST REGULATIONS**

Official recognition is given only to those courses which have been approved by the counselor and Registrar and duly entered upon the matriculation card.

Physical Education or Military Science is required of all students. Exemption from Physical Education may be granted (1) to the student who because of physical disability cannot engage in active exercise, if he files at the Registrar's Office when registering a physician's certificate which states the cause of such disability and fixes the time limit for the exemption asked; (2) to the student who is registered for seven, or fewer, units; (3) to the student who is 25 years of age or over.

All candidates for the degree of Associate in Arts must complete one of the following options: Physical Education (3 quarter units) and Hygiene 1; or Physical Education (3 quarter units) and Hygiene 3; or Military Science (6 quarter units); or Military Science 3 quarter units) and Physical Education (1 1/2 quarter units); or Physical Education (3 quarter units) and Physiology 1.

No one may enroll for less than 10 units or more than 18 units (including physical education or military training) without permission from the Registrar. Students are cautioned against enrolling for more work than they can reasonably carry. For those who are in good health and able to devote the major part of their time to college study, the normal load is 16 units.

The student who has made an average grade of B for all work undertaken in any one quarter may enroll for 19 units in the following quarter. The student who has made an A grade in all work undertaken in any one quarter may enroll for 20 units in the following quarter.

In the College of Letters and Science at the University of California no undergraduate student in his first semester of residence may take more than 16 units of work in addition to physical education or military training. Again: "seventy units is the maximum amount of credit which a student may count toward the bachelor's degree in the University for work completed in a junior college, regardless of the College of the University he wishes to enter." If therefore the study-list total of any junior college student transferring to the University exceeds the University study-list maximums for any semester or the maximum amount of credit allowed for work completed in a junior college, such excess units will be deducted by the University. The Riverside Junior College, however, will recognize for graduation in its own curricula all units which have been officially approved by the Registrar's Office.

When a student is in doubt concerning his eligibility to enroll in any course, he should seek the written approval of the instructor concerned before making out his study-list.

The student who has received a mark of failure or who has attained less than a C average for all courses undertaken in any quarter is restricted to 16 units (not including physical education or military training) the following quarter.

**COURSES OPEN TO TRANSFER STUDENTS**

Students transferring directly from other collegiate institutions during the year may enroll in such courses in the College as they are qualified to undertake.

**STUDY-LIST CHANGES**

Study-lists may be changed at any time within the first week of any quarter; that is, a course or courses may be dropped, or others added, provided that all changes are submitted to and approved by the Registrar within the week specified.

During the second or third week of any quarter, a course or courses may be dropped as provided above, but no course may be added without the written approval of the instructor whose class the student desires to enter. Approval forms may be obtained at the Office.
At the end of the third week, study-lists are to be regarded as fixed. No course may be added thereafter. A course may be dropped by petition. Petition forms may be obtained at the Office.

During the last four weeks of any quarter, no course may be officially removed from the student’s study-list. A course discontinued for any cause within the last four weeks remains upon the matriculation card, the student receiving at the end of the quarter whatever grade the work and circumstances warrant.

GENERAL REGULATIONS

COLLEGE RESIDENCE

No dormitories are maintained by the Junior College. Lists of rooms and boarding places approved by the College authorities are kept on file at the Administration office. Women not living at home must reside at places approved by the Dean of Women.

AUTOMOBILE PARKING

Parking space on the streets adjacent to the campus is limited, but a large area, with individual lanes, has been set apart for students’ cars at the eastern end of the stadium. On the campus itself certain lanes have been assigned to faculty members.

BOOKSTORE

A cooperative bookstore is maintained at the College. The business is conducted by a manager who is selected by the College Board of Trustees and the Student Body Board. When books are ordered, a reasonable deposit is required.

Second-hand books are bought and sold for cash, the selling price of books in good condition being approximately two-thirds of the original price.

STUDENT RESPONSIBILITY

Conduct

It is assumed that students attending the Junior College have a serious purpose, and that they will maintain a worthy standard of conduct. Offenses against good behavior or academic duty will be judged in the light of attendant circumstances and such action taken as seems necessary.

Social Functions

All social functions are under the general supervision of the Dean of Women, and must be approved by her
GENERAL REGULATIONS

before any announcement concerning them is made. The time, place, and names of chaperones must be submitted a reasonable time in advance.

ABSENCE

All students are expected to attend every session of every course in which they are enrolled. With the approval of the Registrar a student may be dropped from a course for excessive and inexcusable absence. Request for leave to be absent from a class or explanation for having been absent should be made to the instructor in charge. Work missed for unavoidable cause may be made up with the instructor's approval. Under no circumstances will absence relieve the student from completing all the work assigned in a given course.

When a student has been absent from college without explanation for two consecutive weeks, his name is dropped from the rolls, and permission to be reinstated must be obtained from each instructor in whose class he is enrolled.

LEAVE OF ABSENCE AND WITHDRAWAL

Temporary leave of absence or permission to withdraw from college will be granted to the student who makes application at the Registrar's Office and complies with the terms for honorable dismissal.

CHANGE OF ADDRESS

It is the duty of the student to advise the Registrar's Office of any change in college address.

USE OF LIBRARY

General reference works and periodicals, which for convenience are placed in the reading room, do not circulate and may not be taken from the Library. Overnight books may be checked out at noon; books reserved for collateral reading may be taken at 3 o'clock. All overnight and reserved books must be returned by 9 a.m. the next college day. Books not reserved for class use may be taken out for a period of two weeks. Fines for one-day books kept overtime are five cents an hour and for two-week books five cents a day. All books must be returned and fines paid before quarter term records will be officially recognized.

GRADING SYSTEM

GRADES

Grade reports are issued at the close of each quarter to all registered students in good standing. The following grade marks are used:

A, excellent; B, good; C, average; D, below average but passing; F, failed. C is the basic grade; A and B are marks of real distinction.

F, failed, necessitates a repetition of the course, if credit is to be received.

A course in which a mark of D has been received may be repeated to raise the grade, but no additional units will be allowed upon repetition. Repeated course are counted, however, in study-list totals.

GRADE POINTS

On the basis of scholarship grades, grade points are awarded as follows: A, 3 points per unit of credit; B, 2 points per unit of credit; C, 1 point per unit of credit; D, no points per unit of credit.

The attention of students (particularly those who plan to continue their education at a senior college or university) is called to the fact that "The practical significance of scholarship grades is largely determined by their use in connection with grade points." To qualify for full junior standing in the College of Letters and Science at the University of California, the student must have acquired in the junior college at least sixty semester units of acceptable college work (not more than seventy are accepted by the University of California) and at least as many grade points as time units; that is, he must attain an average of C for all courses completed in a junior college or he will not be admitted to the University.
THE HONOR SOCIETY

The Riverside Junior College Honor Society was founded in February, 1921. Its purpose, as set forth in its constitution, is “the promotion of scholarship among the students,” through public recognition of those who attain academic distinction.

The Honor Society is composed of active and associate members. Active members are those students who qualify for academic honors, and who upon the recommendation of the faculty are received into the Society. Associate members are members of the faculty and local community who, as representatives of other honorary scholarship fraternities, have affiliated with the Junior College organization to encourage its ideals.

Eligibility to active membership is based solely upon scholarship attainment. Election is determined in accordance with the following regulations, which were adopted February 28, 1936:

1. The candidate for honors must have been awarded 200 or more grade points in five quarters (or the equivalent) of resident study. The candidate who has transferred from another college must have spent the last two of the five quarters at Riverside Junior College.

2. Grade points shall be computed upon a maximum of 18 units of credit in any one quarter, and upon a maximum of 90 units for the five quarters. If, for any reason, the candidate has been permitted to undertake more than 18 units of work in any quarter, a proportionate reduction in grade points shall be made.

3. Of the 200 or more grade points required, at least 100 shall represent the scholarship grade A on the permanent record card. At least 75 additional grade points shall represent the scholarship grade A or B. The remaining 25 points may represent the scholarship grade A, B, or C. The scale is as follows:

- A, 3 grade points per unit of credit
- B, 2 “ “ “ “ “
- C, 1 “ “ “ “ “

4. The candidate must have included in his two-year program a year-course (of at least 9 quarter units) in each of the following fields of knowledge: English; foreign language; natural science or mathematics; social science.

5. Not more than 30 grade points may be awarded for achievement in physical education courses.

The following graduates of the class of 1944 were elected to active membership at the annual meeting.

Ruth Weatherhead Hendricksen
Elizabeth Harriet Oberlin

AWARDS AND SCHOLARSHIPS

JUNIOR LIONS CUP

The Junior Lions Cup has been presented each year since 1928 to the man of the graduating class who in the judgment of the Committee has rendered the greatest service to the College during the year. A similar cup is given to the woman of the graduating class who has been adjudged worthy of like honor. Not awarded in 1944.

WOMEN'S ATHLETIC ASSOCIATION SCHOLARSHIP

The Women's Athletic Association Scholarship of the annual value of $25 has been awarded annually since 1933 to the woman student who in the judgment of the Committee is the outstanding leader in athletics and sportsmanship for the year. The scholarship average must be of at least C grade. The award is available only when the student who has been chosen enrolls for the succeeding autumn quarter at the Junior College. Not awarded in 1944.

KIWANIS SCHOLARSHIP FUND

The Kiwanis Scholarship Fund was established in 1924. It is a revolving educational loan fund, administered in the interest of graduates of the College, who desire to continue their education at a senior college or university. In the selection of candidates emphasis is placed upon scholarship, character, and personal need. No beneficiaries in 1944.
HONORS AND AWARDS

DONALD A. PORTEOUS FUND

The Donald A. Porteous Fund, established in 1922 by Miss Genevieve Aberdien in memory of her nephew, who was a student at Riverside Junior College in 1920-1922, is administered for the benefit of especially deserving students who need some financial aid.

GRADUATION

DEGREE OF ASSOCIATE IN ARTS

The degree of Associate in Arts will be conferred upon the student duly accredited as a high school graduate who completes satisfactorily a junior college curriculum of 90 quarter units¹, including the following specific requirements:

I. English 1.

II. Physical Education and Hygiene. The requirement is fulfilled by completing (1) or (2) or (3).
   (1) Physical Education (6 quarters) and one of the following: Bacteriology 1, Hygiene 1, Hygiene 3, Physiology 1.
   (2) Physical Education (6 quarters) and Military Science (3 quarters).
   (3) Military Science (6 quarters).

III. American Institutions and Ideals: a study of the American constitutional system and its ideals. The requirement is fulfilled by completing (1) or (2) or (3) or (4).
   (1) English 1 (winter quarter). See note under English 1, p. 64.
   (2) Political Science. See note under Political Science 1, p. 80.
   (3) Sociology 1. See note under Sociology 1, p. 83.
   (4) Examination, without unit credit.

IV. A major of at least 30 quarter units in one of the four groups of subjects:
   Group 1. Natural science, or mathematics, or mechanical drawing, or any combination of these.
   Group 2. English, or foreign language, or fine arts, or any combination of these.
   Group 3. Social science, or philosophy, or psychology, or commerce, or secretarial science, or any combination of these.
   Group 4. Vocational Courses.

No student will be required to undertake a curriculum leading to the degree of Associate in Arts, but only the

¹A unit represents one hour of passing work for a quarter term of twelve weeks; it may stand for one hour of classroom work and two hours of preparation, for three hours of laboratory work, or in such distribution as the particular course may demand.
student who completes such a curriculum will become a candidate for graduation.

The Junior College degree of Associate in Arts does not necessarily qualify the student for admission to the upper division of the University, (1) because the curriculum requirements established for graduation from a junior college are not identical with the lower division requirements of the University; (2) because the general scholarship average required for graduation from a junior college may be any passing grade, whereas a general scholarship average of C or better is required by the University in all work of college level undertaken.

The following curriculum is suggested as a well-balanced program for the average first year student whether he expects to terminate his education in the Junior College or to transfer to a senior college or university.

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1</td>
<td>3 units</td>
</tr>
<tr>
<td>Foreign language</td>
<td>3 or 5</td>
</tr>
<tr>
<td>Natural science</td>
<td>3, 4, or 5</td>
</tr>
<tr>
<td>Social science</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education or Military Science</td>
<td>½ or 1</td>
</tr>
<tr>
<td>Electives</td>
<td>0, or 1, or 2</td>
</tr>
<tr>
<td><strong>Total (maximum)</strong></td>
<td><strong>18 units</strong></td>
</tr>
</tbody>
</table>
TRANSFER TO THE UNIVERSITY

IN ADVANCED STANDING

The junior college student who desires to transfer to the University must have completed, as a graduate of an accredited high school, the requirements for admission to the University (A) in freshman standing, (B) in advanced standing.

A. REQUIREMENTS FOR ADMISSION IN FRESHMAN STANDING

High school subject requirements: Units
(a) History ........................................... 1
(b) English ........................................... 3
(c) Mathematics: elementary algebra and plane geometry 2
(d) Science (a 3rd or 4th year laboratory science): chemistry; physics; biology; zoology; botany; or physiology 1
(e) Foreign languages (two years in one language) ........................................... 2
(f) Advanced (3rd or 4th year) mathematics; chemistry; physics; foreign language: one or two additional years of the foreign language offered under (e); or two years in another foreign language ........................................... 1 or 2

High school grade requirements:
Any passing mark is accepted for work completed in the ninth year. A general average of at least B grade is required in the subjects listed above (a) to (f) taken in the tenth, eleventh, and twelfth years. In computing the average, a semester grade of A may be used to offset a semester grade of C in any of the prescribed courses, whether in the same or in a different field. No subject completed with a grade of D in the tenth, eleventh, or twelfth years will be counted in satisfaction of subject or grade requirements.

B. REQUIREMENTS FOR ADMISSION IN ADVANCED STANDING

Sixty semester (90 quarter) units of acceptable college work with a scholarship average not less than C (1.00), or 15 semester units with a scholarship average of C plus (1.5).

The junior college student who did not qualify as a high school graduate for admission to the University in freshman standing must remove all entrance deficiencies before his application for admission to the University will be considered.

ADMISSION TO THE UPPER DIVISION

Admission to the upper division is granted by the University to the student who has completed 90 quarter units...
of acceptable college work with a general scholarship average not less than C (1.00). Admission to the upper division does not, however, necessarily signify the completion of lower division requirements. At Berkeley, the student who has been credited with 90 quarter units is admitted to the upper division and given opportunity to complete lower division shortages before graduation. At Los Angeles, the student entering with less than 90 quarter units who has failed in some particular to meet the lower division requirements may be advanced to upper division standing under certain specified conditions.

LOWER DIVISION REQUIREMENTS

The lower division requirements of the several colleges in the University are not identical. It is important therefore that the student acquaint himself with the specific requirements of the academic college for which he is preparing so that he may plan his high school and junior college curriculum to conform with these requirements.

The College of Letters and Science is the largest college of the University. Its curricula are designed to acquaint the student with the essential elements in a liberal education: breadth of culture, a basic knowledge of some one field of human endeavor, and personal initiative and leadership. Those who are seeking a cultural education, or who wish to prepare themselves for a professional career in architecture, dentistry, law, medicine, journalism, social service, or teaching should qualify for admission to the College of Letters and Science.

LOWER DIVISION REQUIREMENTS, COLLEGE OF LETTERS AND SCIENCE, UNIVERSITY OF CALIFORNIA, BERKELEY

*Courses marked with an asterisk meet the laboratory requirement.

(a) Subject A. This requirement is satisfied by the completion of English 1 with a grade not less than C. Military Science or Physical Education, 4 semesters (6 quarters).

(b) Foreign language. At least 16 semester (24 quarter) units in not more than two languages, with not less than 4 semester (6 quarter) units in any one language. The first two years of high school work in a foreign language will be counted in satisfaction of 4 semester (6 quarter) units of this requirement and each year thereafter as 4 semester (6 quarter) units. Courses given in English by a foreign language department will not be accepted in fulfillment of this requirement.

(c) Mathematics: elementary algebra and plane geometry.

(d) Natural science: at least 12 semester (18 quarter) units chosen from the following list and including at least one course marked with an asterisk: high school chemistry*, 3 semester (4½ quarter) units; high school physics*, 3 semester (4½ quarter) units; Astronomy 1, Bacteriology 1*, 2*, Biology 1A-1B*, 3, Botany 1, Chemistry 1-2*, 3*, 10-11*, 13, Geology 1, Physics 1*, 2*, 10*, Physiology 1*, 3*, Zoology 1*.

(e) A year course of at least 6 semester (9 quarter) units in each of three of the following groups:

1. English 1, 12.
2. Foreign language (additional to b). High school Latin is accepted in satisfaction of this requirement.
3. Mathematics: high school trigonometry, 1½ semester units; Mathematics 2, 2D, 3A or 11A or 11B.
4. Social science: Economics 1; History 4, 8; Political Science 1; Psychology 1; Sociology 1.
5. Philosophy: Philosophy 1, 10.
6. Fine Arts: Art 1abc; Music 3.

Pre-Architectural Curriculum (approximates University curriculum)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1</td>
<td>Art 4abc, 13, 14</td>
</tr>
<tr>
<td>French 1</td>
<td>Engineering 11</td>
</tr>
<tr>
<td>Mathematics 2D, 11A</td>
<td>French 2</td>
</tr>
<tr>
<td>Physics 1</td>
<td>Mathematics 11B, 13A</td>
</tr>
<tr>
<td>Physical Education or</td>
<td>P. E. and hygiene requirement</td>
</tr>
<tr>
<td>Military Science</td>
<td>Elective to complete lower</td>
</tr>
<tr>
<td></td>
<td>division requirements</td>
</tr>
</tbody>
</table>

Pre-Dental Curriculum

This curriculum assumes the completion of the following subjects in the high school: English, 3 years; history, 1 year; mathematics (ele-
TRANSFER TO THE UNIVERSITY

mentary algebra, plane geometry, and trigonometry), 3 years; chemistry, 1 year; physics, 1 year; foreign language, 3 (or, better, 4) years.  

First Year | Second Year  
--- | ---  
Chemistry 1 | Chemistry 13-14  
English 1 | P. E. and hygiene requirement  
Foreign language | Physics 2, Zoology 1  
Elective to complete lower division requirements, group (e), 1-5 | Elective to complete lower division requirements, group (e), 1-5  
P. E. or Military Science |  

Pre-Legal Curriculum (suggested, not prescribed)  

First Year | Second Year  
--- | ---  
English 1 | Economics 1  
Latin AB, if not taken in high school; otherwise, French 1 or German 1 |  
History 4 or Political Science 1 | Philosophy 10  
Philosophy 1 | P. E. or Military Science  
P. E. or Military Science | Hygiene requirement  
Elective to complete lower division requirements | Elective to complete lower division requirements  

Pre-Medical Curriculum  

First Year | Second Year  
--- | ---  
Chemistry 1 | P. E. or Military Science  
English 1 |  
Foreign language (French or German) | Physics 2  
P. E. or Military Science | Zoology 1  
Elective necessary to complete lower division requirements | Hygiene requirement  

Lower Division Requirements, College of Letters and Science, University of California, Los Angeles  

*Courses marked with an asterisk meet the laboratory requirement.  

(a) Subject A. This requirement is satisfied by the completion of English 1 with a grade not less than C.  
Military Science or Physical Education, 4 semesters (6 quarters).  
Sixty semester (90 quarter) units of acceptable college work, with a grade point average not less than C.  
(b) Foreign language. At least 16 semester (24 quarter) units in not more than two languages.  

(1) The first two years of high school work in a foreign language will together be counted in satisfaction of four semester units of this requirement; the third and fourth years will be counted in satisfaction of four semester units each. Only work of grade C or higher may be counted.  
(2) If a new language is begun on the college level it may not apply on this requirement unless course 2, or the equivalent, with its prerequisite is completed.  
(3) This requirement may also be satisfied by passing a proficiency examination in one language.  
(4) Courses given in English by a foreign language department will not be accepted in fulfillment of this requirement.  
(e) Mathematics: elementary algebra and plane geometry.  
(d) Natural science: at least 12 semester (18 quarter) units chosen from the following list and including at least one course marked with an asterisk: Astronomy 1, Bacteriology 1*, 2*, Biology 1A-1B*, 3, Botany 1*, Chemistry 1-2*, 3, 10-11*, 13, Geology 1, Physics 1*, 2*, 10*, Physiology 1*, 3*, Zoology 1*.  
Any 3rd or 4th year high school laboratory science completed with a grade of at least C is accepted in satisfaction of this requirement in the amount of 3 semester (4½ quarter) units. Three semester (4½ quarter) units of mathematics not offered in satisfaction of requirement (e) may be substituted for 3 semester (4½ quarter) units of requirement (d).  
(e) A year course of at least 6 semester (9 quarter) units in each of three of the following groups:  
(1) English 1, 12.  
(2) Foreign language (additional to b). No high school foreign language work is accepted in satisfaction of this requirement.  
(3) Mathematics: high school trigonometry, 1½ semester units; Mathematics 2, 2D, 3A or 11A, 3B or 11B.  
(4) Social science: Economics 1; History 4, 8; Political Science 1; Sociology 1.  
(5) Philosophy: Philosophy 1, 10.  
(6) Psychology: Psychology 1.  
(7) Art, Music: Art lab; Music 3.  

The College of Applied Arts at Los Angeles offers curricula of technical or professional character, including curricula leading to special secondary teaching credentials. For the lower division requirements of this College the fourth year will be counted in satisfaction of four semester
TRANSFER TO THE UNIVERSITY

student is referred to the University catalog and to his Junior College adviser.

The School of Business Administration at Berkeley and the College of Business Administration at Los Angeles offer under-graduate curricula designed to give a broad preparation for a business career. It is the opinion of the University that the junior college student should take the fundamental cultural courses constituting the lower division requirements before undertaking the more specialized and professional studies reserved for the upper division in accounting, banking and finance, marketing, management, and industry.

The graduate curriculum of the College of Commerce at Berkeley trains the student "for work in public accounting, statistics, insurance, consular service, foreign trade, transportation, banking, marketing, retailing, advertising, and personnel administration."

Lower Division Requirements, School of Business Administration, Berkeley

The preparation for admission to the School of Business Administration consists of an organized program of work fulfilling the requirements for admission to the upper division of any of the colleges of the University. Attention, however, should be given to the following:

(a) Required:
  Economics 1 and 40.
  Mathematics 2 or Mathematics IIA and IIB.
(b) Recommended:
  Economics 10 and 11.

Lower Division requirements for admission to the College of Business Administration, Los Angeles, are about the same as those for admission to the School of Business Administration, Berkeley, except for the following:

A total of 64 semester (96 quarter) units.

Sixteen semester (24 quarter) units in one foreign language.

English 12.

The College of Agriculture at Berkeley offers curricula in Plant Science; Animal Science; Entomology and Parasitology; Agricultural Economics; Forestry; Soil Science; Home Economics; Landscape Design; Agricultural Education.

The College of Agriculture at Los Angeles offers the Plant Science curriculum and the major in Horticulture leading to the Bachelor of Science degree; and graduate work in this field leading to the degrees of Master of Science and Doctor of Philosophy in horticultural science.

For the lower division requirements in the Colleges of Agriculture the student is referred to the special bulletins of the University.

The College of Engineering offers three curricula: Civil Engineering; Electrical Engineering; Mechanical Engineering. Each of these is a four-year curriculum leading to the degree of Bachelor of Science. In the opinion of the University the student should enter the College of Engineering not later than the beginning of the sophomore year.

For the lower division requirements in the College of Engineering the student is referred to the special bulletins of the University and to the Junior College departments of Physics and Engineering.

School of Education, University of California, Berkeley

"The School of Education offers professional courses intended for students preparing for educational service in secondary schools and colleges, for graduates of state colleges who are fitting themselves for supervisory or administrative positions in elementary schools, and for students who propose to engage in school administration, to teach in
state teachers' colleges or in university departments of education, or to do research in the field of education." These professional courses lead to certificates of completion and to the following credentials: (1) General Secondary, authorizing the holder to teach any or all subjects in all grades of any junior college, senior high school, four-year high school, junior high school, and the seventh and eighth grades of elementary schools; (2) Junior College Credential, authorizing the holder to teach any or all subjects in all grades of any junior college; (3) The Credential of General Junior High School Grade, authorizing the holder to teach any or all subjects in the seventh, eighth, or ninth grades of any elementary or secondary school in the State; (4) Administration Credential.

Applicants for admission to the School of Education must have at least upper division standing and normally must have completed the lower division requirements. Junior College students who indicate their desire to qualify for admission to the School of Education will be assigned to counselors competent to advise them concerning general and specific requirements.

SCHOOL OF EDUCATION, UNIVERSITY OF CALIFORNIA, LOS ANGELES

The School of Education at the University of California, Los Angeles, offers professional curricula to students who are preparing for teaching or administrative service in elementary and secondary schools. These curricula lead to certificates of completion and state credentials authorizing service in the following fields: (1) Kindergarten-Primary; (2) Elementary (all grades); (3) Junior High School; (4) General Secondary; (5) Special Secondary; (6) Junior College; (7) Elementary School Administration; (8) Secondary School Administration. The School also provides opportunity for individual programs of study meeting the requirements of the State Board of Education for credentials in child welfare and supervision of attendance, educational research, and educational counseling.

All candidates for enrollment in curricula of the School of Education must have completed the lower division requirements in one of the colleges of the University.

Junior College students who indicate their desire to qualify for admission to the School of Education will be assigned to counselors competent to advise them concerning general and specific requirements.

PREPARATION FOR THE MAJOR, UPPER DIVISION

Certain lower division courses are prerequisite to a specified major in the upper division in the University. In most cases, these should be completed before upper division work is begun. It is advisable, therefore, that the student include in his study-list, so far as possible, not only those courses which satisfy the lower division requirements but also those which are prerequisite to the department major. These are listed in the following section.

OFFICIAL TRANSCRIPT

In the interest of the student who desires to continue his studies elsewhere the College issues an official transcript. This is a duly certified record of all work completed or undertaken by the student at the Junior College and carries with it honorable dismissal. It is forwarded direct to the institution designated by the student, but only if there is a reasonable presumption that he will be admitted. One official transcript is furnished free upon request.

COPY OF RECORD

One copy of record is furnished free to the student requesting it. The copy of record carries honorable dismissal but no academic recommendation.
COURSES OF INSTRUCTION

GENERAL INFORMATION

All of the courses offered by the College, except a few which are noted as they appear in this section of the Register, are accepted by the University, either toward fulfillment of the lower division requirements or in preparation for a chosen major, or as electives.

Courses marked with an asterisk (*) are not open to first-year students; those marked with a dagger (†) require the approval of the instructor.

A unit of work represents one hour of passing work for a quarter term of twelve weeks: it may stand for one hour of classroom work and two hours of preparation, for three hours of laboratory work, or for such distribution as the particular course may demand.

AESTHETICS

1. Nature Appreciation

A course designed to heighten the enjoyment and appreciation of natural beauty. Study of landscape, clouds, storms, the sea, the stars; reading of nature writers; exercises in analysis, description, and photography of interesting places in the vicinity of Riverside. Discussions of methods of living in the open, vacation trips, and mountaineering. Prerequisite: two years of high school English with recommending grades. Two hours weekly.

Two units, each quarter.

Art (See Art 1abc)
Greek (See Greek 2b)
Music (See Music 3)

ANATOMY

Physiology 3 (See page 79)

ART

Note: A special Art Center Announcement is published in September.

Preparation for the Major: Art 1abc, 4ac, 5abc.
1abc. History and Appreciation of Art
Painting, architecture, sculpture, and minor arts. Weekly lectures illustrated with slides. Reading assignments, special problems.
   a. Prehistoric and ancient periods
   b. The Middle Ages
   c. The Renaissance
Three units, each quarter.

4abc. Form
Fundamental to all advanced work in art. Required for the curriculum in architecture.
   a. Sculpture and graphic form; problems in ceramic design; carving.
   b. Perspective; line and proportion.
   c. Graphic composition; study of the figure.
Two units, each quarter.

5abc. Color and Design
Fundamentals of plastic and decorative design, especially as related to textiles, ceramics, architecture, commerce, and the stage. Prerequisite: Art 4abc or its equivalent.
   a. Color theory and application in various media.
   b. The part of color in design.
   c. Problems in color and design.
Two units, each quarter.

7. Figure Drawing and Anatomy
Lectures and intensive work from the model.
Two units, each quarter.

12. Business Art
Color psychology, lettering, design and layout, show cards, window decorating. First 18 weeks.
   One unit, autumn quarter; one-half unit, winter quarter.

13. Pen and Ink
Technique and rendering of textures as applied to architectural and general subjects. First 18 weeks.
   One unit, autumn quarter; one-half unit, winter quarter.

14. Rendering in Water Color
Second 18 weeks.
   One-half unit, winter quarter; one unit, spring quarter.

20. Landscape
Picture composition in any medium. Prerequisite: Art 3abc, or approval of instructor.
Two units, each quarter.

22. Advanced Problems in Art
Intended for the student who plans to continue in a special field.
One or two units, each quarter.

30. Jewelry
Making of costume jewelry, using semi-precious stones and silver, with emphasis on the modern methods of enriching the jewelry forms. Cabochon stone polishing, hard soldering, enameling, and etching.
   Two units, each quarter.

32. Ceramics—Pottery
Pottery, tiles, sculpture, and other ceramic forms, from the original design to the firing of the finished article. Techniques of modeling, slip casting, and glazing.
   Two units, each quarter.

39. Commercial Art
Essentials of layout and design. Posters, stage design, industrial air-brush, cutaway. Prerequisite: Art 4abc, or equivalent.
   Three units, each quarter.

Weaving
Theory and practice of textile weaving. Lessons in wool, spinning, study of colonial weaves for three and four harness looms, tapestry, and Indian weaving. Creation of all types of fabrics.
   One or two units, each quarter.

ASTRONOMY

1. Elements of Astronomy
General facts and principles of the science of astronomy, relating primarily to the solar system. Two lectures weekly, occasionally illustrated with lantern slides. A few evenings of observation with the telescope. No knowledge of mathematics is required.
   Two units, each quarter.

BACTERIOLOGY

Preparation for the Major. Required: Bacteriology 1; Botany 1; Chemistry 1-2; Physics 2; French or German. Recommended: Chemistry 10, 11, 13, 14; Zoology 1; Physiological Chemistry 1; Economics 1; Hygiene 3.

1. General Bacteriology
The fundamental concepts of bacterial life, including the history of bacteriology, microorganisms in their relation to disease, immunology, and the biochemical activities of bacteria.
   The laboratory exercises deal with bacteriological technique,
media making, isolation and identification of microorganisms, as well as with standard methods employed in water and milk analyses. Two lectures and two laboratory periods weekly. Four units, each quarter.

2. General Bacteriology DuBEAU
A shorter course than Bacteriology 1. Meets the requirements for Agriculture and Nurses' Training. Three lectures and two laboratory periods weekly. Second 18 weeks.

Two and one-half units, winter quarter; five units, spring quarter.

10. Advanced Bacteriology DuBEAU
A continuation of general bacteriology. Studies of certain anaerobes and pathogenic organisms. Some serology. Problem work. Blood and urine analyses. One lecture and two laboratory periods weekly. Prerequisite: Bacteriology 1, autumn and winter quarters.

Three units, spring quarter.

1. General Botany JAEGER, COOPER
The morphology and physiology of the seed plants; the habitat, structure, and reproduction of algae, fungi, liverworts, mosses and ferns; and the taxonomic, genetic, and ecological relationships of the seed plants. Three lectures and two laboratory periods weekly.

Five units, each quarter.

2. Elements of Forestry JAEGER
A lecture course in the general principles of forestry, considering the developmental history of the forest, and its recreational and economic relationships. Second 18 weeks.

One and one-half units, winter quarter; three units, spring quarter.

*10. Elements of Plant Physiology
Plant activities, including absorption and translocation of materials, carbon assimilation, growth, and reproduction. One lecture and two laboratory periods weekly. Prerequisite: Botany 1 and Chemistry 1-2. First 18 weeks.

Three units, autumn quarter; one and one-half units, winter quarter.

*11. Taxonomic Botany COOPER
Methods and practice in the identification of the higher plants. Principles of taxonomy. Two laboratory periods, or one lecture and two laboratory periods weekly. Prerequisite: Botany 1 or Biology 1A.

Two or three units, each quarter.

*12. Microtechnique COOPER
The preparation of biological material for microscopic study, including methods of fixing, embedding, sectioning, and staining. Two laboratory periods weekly. Prerequisite: Botany 1 or Zoology 1.

Two units, each quarter.

*13. Comparative Morphology COOPER
A study of the phylogenetic relationships of the principal groups of plants, and a comparison of their structure and development. One lecture and two laboratory periods weekly. Prerequisite: Botany 1.

Three units, each quarter.
CHEMISTRY

Preparation for the Major. Recommended: Chemistry 1-2, and one or more of 10, 11, 13, 14; Physics 1, 10; Mathematics 2D, 11A, 11B, 13A, 13B; and a reading knowledge of German. This work may be completed, in part, in the upper division.

1. General Chemistry
Engelman
For those who have had high school chemistry and who wish to continue in chemistry or to undertake subjects dependent on chemistry. The theoretical and industrial sides of the subject are especially stressed. Three lecture periods weekly throughout the year and two laboratory periods, autumn quarter. Prerequisite: high school chemistry and physics with grades not less than C, or either subject alone with a grade of A or B. High school physics and trigonometry are recommended.

Five units, autumn quarter.

Three units, winter and spring quarters.

2. Qualitative Analysis
Engelman
To be taken in conjunction with Chemistry 1 in the winter and spring quarters. Two laboratory periods weekly, winter and spring quarters.

Two units, winter and spring quarters.

3. General Chemistry
Engelman
Primarily for those who do not expect to continue the subject. The descriptive side of chemistry and its application in every day life. Fulfills the requirement for majors in Physical Education or Home Economics. Three lectures and one laboratory period.

Four units, each quarter.

4. Chemistry for Nurses
Cooper
Inorganic, organic, and physiological chemistry. All phases of the course in chemistry prescribed for nurses in the Curriculum Guide for Schools of Nursing are included. Three lectures and two laboratory periods weekly. First 18 weeks.

Five units, autumn quarter and two and one-half units, winter quarter.

*10. Quantitative Analysis
Engelman
The principles and methods of quantitative analysis and their application to simple methods of commercial analysis. Two lectures, autumn and winter quarters. Prerequisite: Chemistry 1 and 2.

Two units, autumn and winter quarters.

*11. Quantitative Analysis: Laboratory
Engelman
To be taken in conjunction with, or to follow, Chemistry 10. Three laboratory periods weekly, autumn and winter quarters.

Three units, autumn and winter quarters.

COMMERCE

Lower Division Requirements. See pages 48, 49.

Business Records
Fullenwider
Elementary principles of double entry for secretaries, small business concerns, and personal finance; sales and purchasing records. The course is completed in 18 weeks, and may be taken either half of the year.

Two units, autumn quarter and one unit, winter quarter; or one unit, winter quarter and two units, spring quarter.

Accounting
Fullenwider
The fundamental principles of accounting. The use of columnar books, business papers, voucher systems, departmental and comparative financial statements, and cash and bank records. Two laboratory periods weekly.

Three units, each quarter.

Business Administration
Fullenwider
An analysis of the various forms of business organization with special attention to the corporation. Studies of management, wages, purchasing, selling, traffic, credit, banking, and accounting. Lectures by representative business men. First 18 weeks.

Three units, autumn quarter; one and one-half units, winter quarter.
COURSES OF INSTRUCTION

Marketing Fullenwider
Distribution, marketing functions, wastes and inefficiencies; types of distributors; cooperative marketing groups in California. Second 18 weeks.
One and one-half units, winter quarter; three units, spring quarter.

Commercial Law Fullenwider
The principles of law which are essential to business men: contracts, agency, partnerships, corporations, negotiable instruments, bailments, suretyship, and bankruptcy. Special emphasis is placed on real estate law, including mortgages, trust deeds, and leases.
Three units, each quarter.

Retail Merchandising Fullenwider
Details of organization profits and expenses; stock control; policies in retail advertising, merchandising, and selling. First 18 weeks.
Two units, autumn quarter; one unit, winter quarter.

Advertising Fullenwider
Fundamental principles of advertising, problems of space, type, engraving, copy, media, practice in writing copy. Second 18 weeks.
One unit, winter quarter; two units spring quarter.

Banking Fullenwider
The functions of money; the money system of the United States; value of money and prices; credit; functions of the bank; banking development in the United States; domestic and foreign exchange; bank supervision; the Federal Reserve system. Not offered in 1944-1945.
Two units, each quarter.

ECONOMICS

Preparation for the Major. Required: Economics 1, 40; and at U. C. L. A., Accounting. Recommended: History 4 or Political Science.

1. Principles of Economics Mackenzie
The principles of economics, including such fundamental theories as those of value, price, wages, interest, rent, and profits; with a consideration of the problems of society which arise from existing methods of production and distribution of wealth, such as railways, public ownership, combinations and trusts, socialism, and taxation.
Three units, each quarter.

2. Economic Principles and Problems Mackenzie
A more elementary course than Economics 1, with greater relative emphasis upon economic institutions and current economic problems. Required in the Pre-Nursing curriculum. First 18 weeks.
Three units, autumn quarter, and one and one-half units, winter quarter.

*40. Elementary Statistics Linhart
Modern methods of analyzing statistical data, their gathering and classification, with emphasis on analysis and presentation. Economic material is used as the basis of illustrative problems. The mathematical treatment is reduced to the simplest possible terms. One lecture and two two-hour laboratory periods weekly. Second 18 weeks. Prerequisite: Mathematics 1D. Students who intend to make economics their major, and students in the College of Commerce must complete this course in the sophomore year.
One and one-half units, winter quarter; three units, spring quarter.

ENGINEERING

Preparation for the Major. See announcement of the College of Engineering, University of California, Berkeley. Recommended: physics, mathematics, chemistry, surveying, descriptive geometry, and machine drawing. Many positions in the field of engineering do not require more than two years of preparation beyond the high school. Students looking forward to this type of work should take in the Junior College all the courses listed under Engineering together with Physics 1, Physics 10, and mathematics.

A. Engineering Practice
A course designed to familiarize students with the routines and techniques of scientific and engineering practice from the simple operations of everyday life to the methods of modern industrial organizations. Lectures, demonstrations, projects, laboratory work, inspection trips. Recipes, formulas, tables, maps, charts, graphs, bulletins, reports.
Three units, each quarter.

1. Plane Surveying Twogood
Principles; field practice; calculations and mapping. Two one-hour class discussions and one three-hour period of field or mapping weekly. Prerequisite: plane trigonometry. One extra unit of intensive field work may be taken at the student's option, credit for which will be allowed toward graduation but not for transfer.
Three units, each quarter.
12. Engineering Drawing
Practice in lettering and in the use of drawing instruments. Fundamentals of projection drawing as used by the engineer in the design of machines. Limited to students taking engineering courses.
Two or three units, each quarter.

11. Descriptive Geometry, Machine Drawing
Representation and solution of space problems through the use of two or more projection views; practical application of descriptive geometry; mechanisms and machine drawing.
Three units, each quarter.

ENGLISH
Preparation for the Major. The student who wishes to make English his major subject must have completed, with an average grade of C or higher, English 1 followed by English 10.
At least one ancient and one modern foreign language should be studied in high school and continued in college. Philosophy and at least one foreign language should be elected in the lower division.

1. Composition
The chief forms of composition, oral and written, with outside reading and written reports. Theme writing and individual conferences.
The completion of English 1, winter quarter, fulfills the "Requirement of American Institutions" for the A. B. or B. S. degree at the University of California, Berkeley. The "Requirement of American Institutions" for the A. B. or B. S. degree at U. C. L. A. is fulfilled by Political Science 1 or Sociology 1.
Three units, each quarter.

2. Practical News Reporting
Theory of the correctly written news and feature articles combined with contacts in actual reporting fields. Members of class may expect work on the college paper, the Arroyo.
Two units, each quarter.

9. Dramatic Art
Drama appreciation through a study of the principles of dramatic art. Readings in classical and modern drama from the point of view of production. Consideration of the problems of lighting, setting, make-up, and other phases of stage-craft. Lectures, oral and written reports, rehearsals. Prerequisite: English 1, or may be taken in conjunction with English 1.
Two units, each quarter.

10. English Literature
An historical survey of the entire course of English literature, its leading periods, movements, personalities, and masterpieces. Lectures, recitations, collateral reading, and reports on special topics.

a. Non-dramatic poetry from the beginning to 1830 (autumn quarter).
b. Victorian and twentieth century poetry, first six weeks; drama, second six weeks (winter quarter).
c. Non-fiction prose, first six weeks; the novel, second six weeks (spring quarter).
Three units, each quarter.

11. Advanced Composition
Studies in descriptive and narrative writing, with special reference to the technique of the short story, autumn and winter quarters. Expository writing, with relation both to the literary essays and to the preparation of extended papers and reports, spring quarter. Literary models are studied and the constant writing of themes required. Open to a limited number of students who have completed English 1 or its equivalent.
Two units, each quarter.

12. Public Speaking
The study of the general principles of voice and diction; the acquiring of correct posture, gesture, and platform manner; and the development of the particular speech skill of each student. Throughout the year attention is given to the preparation of speeches for delivery in class and in public. The course is a second-year subject, but is also open to qualified first-year students who are specializing in public speaking.
Three units, each quarter.

13. Advanced News Reporting
Open to a limited number of staff members who plan to continue affiliation with the College publications. Occasional meetings and conferences. Prerequisite: English 3.
One unit, each quarter.

14. American Literature
A study of the achievements in American letters from Colonial times to the present, outstanding literary personalities, memorable works, and reflections of American thought in literature. Lectures, discussions, collateral readings, and oral reports.
Two units, each quarter.

19. Advanced Dramatic Art
A continuation of English 9. Prerequisite: English 1.
Two units, each quarter.
FRENCH
Preparation for the Major. French 1, 2, 3, 10. History 4, Philosophy 10, and Latin are strongly recommended. At U. C. L. A. Latin AB, or its equivalent, is required, and a second modern language recommended.

1. Elementary French RICHARDS
Accurate pronunciation and the essentials of grammar. Three easy French texts are read, which form the basis of careful translation, conversation, and composition work.
Five units, each quarter.

2. Intermediate French RICHARDS
Further study of grammar, especially syntax; reading and discussion in French of the works of outstanding French novelists, poets, and dramatists. An effort is made to correlate the study of French with the general history of European civilization. Students are advised to take French 3 also. Prerequisite: French 1 or its equivalent.
Three units, each quarter.

3. Second-Year French: Composition and Conversation RICHARDS
Oral drill in the use of French; study of the more difficult points of grammar; class discussion of translations from English into French; writing of original themes in French. Prerequisite: French 1 or its equivalent.
Two units, each quarter.

4. Advanced French RICHARDS
French novels and dramas of the seventeenth, eighteenth, and nineteenth centuries. Outside reading and written reports in French. Prerequisite: French 2 or its equivalent.
Three units, each quarter.

5. Advanced French Composition and Conversation RICHARDS
Students who intend to major in French or to continue with more advanced study should take this course concurrently with French 10.
Two units, each quarter.

GEOGRAPHY

3. Economic Geography
A world survey of the interrelationship of man in his economic activities and the factor of his natural environment. Two lectures and one additional period weekly.
Three units, each quarter.

GEOLOGICAL SCIENCES

GEOLGY
Preparation for the Major. Required: Chemistry 1-2; Physics 2; Engineering 1; Geology 1; Mineralogy 1; trigonometry, freehand and geometrical drawing. Recommended: French, German, Mathematics 2D, 11A, 11B. For petrological, mineralogical, or economic undertakings, Chemistry 10-11 is desirable.

1. General Geology
Physical and historical geology. Three lectures and one laboratory period or one field trip weekly. Two or three Saturdays in the spring quarter are required for all day excursions. Class limit: 30. Second-year students given priority.
Four units, each quarter.

2. Advanced Geology
Further work in field geology, paleontology, petrography, or mineralogy. Prerequisite: Geology 1, Mineralogy 1, or enrollment in either. One to four units, each quarter.

MINERALOGY

1. Introductory Mineralogy
Elementary crystallography, blowpipe analysis, and determinative mineralogy. Three lectures and one laboratory period weekly. Three or more afternoon collecting trips in the spring quarter. Class limit: 24.
Four units, each quarter.

GERMAN
Preparation for the Major. Required: German 1, 2, 3, 10. At U. C. L. A. History 4, English 1, and Philosophy 10 are recommended.

1. Elementary German RICHARDS
Five units, each quarter.

2. Intermediate German: Reading RICHARDS
Emphasis continued on comprehension instead of translation. Continued vocabulary drill. Reading of approximately 650 pages in class, and of 1,000 pages of simple prose collaterally. May be taken with German 3. Prerequisite: German 1 or equivalent.
Three units, each quarter.
3. Intermediate German: Grammar and Composition
   Richards
   Review of first-year grammar, with some free composition and conversation. Composition and conversation based upon dictated material. May be taken with German 2. Prerequisite: German 1 or equivalent.
   Two units, each quarter.

4. Scientific German
   Scientific word building and analysis (autumn and winter quarters); the reading of a book or journal in the field of the student's special interest (spring quarter). Prerequisite: German 1 or its equivalent.
   Two units, each quarter.

GREEK


1. Elementary Greek
   An introduction to essential forms and syntax through Xenophon's Anabasis, varied with occasional reading in the New Testament during the third quarter.
   Five units, each quarter.

2. Greek Culture
   A lecture-recitation course dealing with Greek ideals and achievements. The aim of the course is to interpret modern civilization in the light of its Greek inheritance, and to stress those things that are of permanent worth for the life of the twentieth century. Assigned readings and reports. No knowledge of Greek required.
   a. Geographical background; historical survey; government; religion; education (autumn quarter).
   b. Architecture; sculpture; painting; music (winter quarter).
   c. Literature; philosophy; science (spring quarter).
   Three units, each quarter.

10. Plato and Homer
    Plato: the Apology and selections from other dialogues. Homer: Iliad or Odyssey (selected books). Prerequisite: Greek 1.
    Three units, each quarter.

11. Advanced Composition
    Systematic review of Greek syntax. Prerequisite: Greek 1.
    One unit, each quarter.
COURSES OF INSTRUCTION

HOUSEHOLD SCIENCE

2. Food Study and Preparation
   Wilson
   Composition, selection, and preparation of food factors in cookery; analysis of recipes and standard products. Details and manipulation required to attain highest standards. Expenditure of time and money. One lecture and two laboratory periods, weekly.
   Three units, each quarter.

3. Elements of Nutrition
   Wilson
   Fundamental principles of human nutrition as applied to normal and special conditions of growth and physical development.
   Two units, each quarter.

4. Elements of Nutrition for Nurses
   Wilson
   Same as course 3, but with one laboratory period additional. Required in the Pre-Nursing curriculum. Second 18 weeks.
   One and one-half units, winter quarter and three units, spring quarter.

HYGIENE

1. General Hygiene
   Gilchrist
   An elementary study of the human body, its activity, and its environment in relation to health. Fulfills the requirement in hygiene for the degree of Associate in Arts. The course is completed in 18 weeks and may be taken either half of the year.
   Two units, autumn quarter and one unit, winter quarter; or one unit, winter quarter and two units, spring quarter.

3. Epidemiology
   Dubéau
   A study of the principal preventable diseases, based on the history, prevalence, etiology, source, and modes of infection; and methods of control and prevention. The year course fulfills the requirement in hygiene for the degree of Associate in Arts. Section limit: 50.
   a. The history and principles of preventive medicine. Infection and resistance. Diseases spread by intestinal discharges (autumn quarter).
   b. Saliva borne diseases. Diseases due to dietary deficiencies. Insect borne diseases (winter quarter).
   c. Disease spread from animal to man. Disease spread through skin and direct contact. Means by which transmissible diseases are controlled (spring quarter).
   Two units, each quarter.

ITALIAN

Preparation for the Major. Required: Italian 1, 2. Recommended: a reading knowledge of Latin.

1. Elementary Italian
   Richards
   Three units, each quarter.

2. Intermediate Italian
   Richards
   Further study of grammar; composition and conversation; reading of modern prose, drama, and verse, with oral and written exercises based thereon. Prerequisite: Italian 1 or equivalent.
   Three units, each quarter.

LATIN

Preparation for the Major. Required: four years of high school Latin or Latin AB and CD; Latin 2, 3. Recommended: Greek 1; and, at U. C. L. A., modern languages.

AB. Elementary Latin and Caesar
   An introductory study, equivalent to the first two years of high school Latin.
   Three units, each quarter.

CD. Cicero and Virgil
   Selected orations of Cicero, and Æneid of Vergil. Prerequisite: Two years of high school Latin; or Latin AB.
   Four units, each quarter.

2. Cicero, Horace, Pliny
   The De Senectute of Cicero, the Odes and Epodes of Horace, selected letters of Pliny, and possibly the Andria of Terence. Prerequisite: three years of high school Latin; or Latin CD.
   Three units, each quarter.

3. Prose Composition
   Practice in writing Latin prose narrative. Supplementary to Latin 2, and intended primarily for those who expect to teach Latin.
   One unit, each quarter.

10. Livy, Horace, Tacitus, Catullus
    The history of Livy, the Satires and Epistles of Horace, and Agricola and Germania of Tacitus, selected poems of Catullus, and perhaps
one of the comedies of Plautus. Prerequisite: Latin 2, or its equivalent.

Three units, each quarter.

11. Advanced Prose Composition
Exercises in advanced prose writing. Prerequisite: Latin 3.

One unit, each quarter.

MATHEMATICS

Preparation for the Major. Two years of high school algebra, plane and solid geometry, and trigonometry; Mathematics 2D, 11A-11B, 13A-13B. Recommended: physics and a reading knowledge of French and German.

Note: The student who is preparing for engineering should take Mathematics 3abc and 4abc rather than Mathematics 11A-11B and 13A-13B.

A. Review Course in Mathematics
Linhart
A review of the essentials of applied mathematics, with constant practice in the solution of problems involving the use of formulas, graphs, tables, and machines. The course will cover the fields of business, commerce, industry, science, and engineering.

One, two, or three units, each quarter.

1D. Intermediate Algebra with Plane Trigonometry
Linhart
A second course in algebra and plane trigonometry. Prerequisite: two years of high school mathematics.

Three units, each quarter.

2. Mathematics of Finance
Linhart
Simple and compound interest, discount, annuities, payment of debts by various methods, depreciation and capitalized cost, and related topics. Designed for students interested in Commerce or Secretarial Science. First 18 weeks.

Three units, autumn quarter and one and one-half units, winter quarter.

2D. College Algebra and College Trigonometry
Linhart
The usual topics in college algebra and analytic trigonometry. First 18 weeks. Prerequisite: three years of high school mathematics, or Mathematics 1D.

Five units, autumn quarter; two and one-half units, winter quarter.

ENGINEERING MATHEMATICS

3abc. Engineering Mathematics
Bliss
Plane analytic geometry and calculus, including conic sections, general equations of the second degree, elements of calculus with applications to geometry and mechanics. Prerequisite: four years of high school mathematics.

Three units, each quarter.

4abc. Solid Analytic Geometry and Calculus
Twogood
Continues the development and application of the calculus; includes quadratic surfaces, partial derivatives, multiple integrals, and infinite series.

Three units, each quarter.

MILITARY SCIENCE AND TACTICS—R. O. T. C.

An act of Congress, passed in June, 1916, provided for military training in certain educational institutions in the United States. This was an enlargement of the Morrill Act of 1863, which requires that a course in military training be given at all state colleges which are receiving federal aid. The government furnishes a competent corps of instructors and all uniforms and equipment necessary for students.

The primary object of Reserve Officers Training Corps is to qualify
COURSES OF INSTRUCTION

college students for commissions in the Officers Reserve Corps, a corps from which the country would be able to obtain officers in the subordinate grades in case of emergency. Enrollment in the R. O. T. C. does not obligate students to enter the Officers Reserve Corps; it simply qualifies them for a commission if they desire one. Members of the R. O. T. C. are not subject to call for strike duty or any service in the army, and are in no sense soldiers.

Graduates of junior colleges who have satisfactorily completed two years in the R. O. T. C. units may, upon entering an institution maintaining a senior R. O. T. C. unit, enroll in the advanced course in Military Science and Tactics, subject to the approval of the P. M. S. and T. of that Institution. If admitted to the advanced course, they will receive from the government, in addition to their uniforms, approximately $15.00 a month for the full two years.

Military Science and Tactics: Theoretical

MILITARY SCIENCE AND TACTICS

Organization, defense act, interior guard duty, musketry, map reading, sand table exercises, company administration and supply, mechanization, defense against chemical warfare, mechanization and airplane attack, historical examples, camp sanitation, and camp expedients. Two one-hour periods weekly. Prerequisite: two years of high school R. O. T. C.; or one year junior college basic R. O. T. C.; or attendance at one Civilian Military Training Camp. The year course satisfies the requirement in hygiene for the degree of Associate in Arts.

One unit, each quarter.

MUSIC

Preparation for the Major. Required: Music 1, 3, 4, 10. Recommended: related courses in art, English, history, philosophy; foreign languages, particularly French, German, or Italian. Specialization presupposes some ability in piano playing.

Note: During summer registration days all students enrolling in harmony courses must arrange with the instructor for advanced standing examinations. All students enrolling in piano courses must arrange with the instructor for auditions.

MUSICAL TECHNIC

The fundamentals of music: the melodic, harmonic, and rhythmic elements through aural approach. Major and minor chords, keys and scales, intervals from the harmonic basis, and cadences, through singing, writing, playing, and dictation. Time durations, notations, time signatures, rhythmic reading and dictation. Elementary four-part harmony, melodic dictation, and sight-singing.

Three units, each quarter.

APPLIED MUSIC

Choral Training

Practical experience in the study and performance of acceptable choral music is offered in the following courses:

Men's Glee Club. Members are selected by examination. Two hours weekly.

Women's Glee Club. Members are selected by examination. Two hours weekly.

Student Choir. Membership limited to 35 selected voices. Two hours weekly.

Two units, each quarter.

Voice I

A class in voice culture conducted for beginners. The elements of vocal technic, including breathing, tone placement, diction, and song interpretation are presented in proper sequence, emphasis being placed upon tone production. Two hours weekly. Students who can not read music will be instructed in the rudiments of sight singing.

Two units, each quarter.
VOICE II
Continuation of Voice I. Students are required to participate in recitals. Two hours weekly. Supplementary reading.
Two units, each quarter.

ORCHESTRA
Routine work in the reading and performance of standard compositions.
One unit, each quarter.

NURSING
Pre-Nursing Curriculum
The college offers the following one-year curriculum prescribed for admission to state accredited schools of nursing:

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<th>Winter Q.</th>
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<td>English</td>
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<td>Phys., Educ.</td>
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<td>Physiology</td>
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<td>Physiology</td>
<td>3</td>
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<td></td>
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<tr>
<td>Psychology</td>
<td>6</td>
<td>1½</td>
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<tr>
<td>Economics</td>
<td>3</td>
<td>1½</td>
<td></td>
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<tr>
<td>Hygiene</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Household Sci.</td>
<td>4½</td>
<td></td>
<td>1½</td>
</tr>
</tbody>
</table>

Total: 17½ units

PHILosophy
Preparation for the Major. Philosophy 1, 10.

1. Logic, Theoretical and Practical
   Logical doctrine is concentrated on argument and proof. The nature of argument, fallacy, definition, syllogism, dilemma and propositional relations occupy the first eighteen weeks; the nature of proof, hypothesis, causal relations, generalization, theorem and probability, the second eighteen weeks.
   Three units, each quarter.

10. History of Philosophy
   The historical development of philosophy, emphasizing the main problems and outstanding thinkers characteristic of each age. Recommended prerequisites: Philosophy 1, History 4 and 8.
   a. Classical philosophy, especially Socratic ethics and Platonic aesthetics.

PHYSICAL EDUCATION
Physical education is required of all men who are not taking Military Training. It is required of all women. Choice of activity is allowed.

Preparation for the Major, University of California, Berkeley.
Required: Chemistry 1–2, first 18 weeks; Biology 1B; Physiology 1; Psychology 1, first 18 weeks; Hygiene 3; Physical Education (3 quarter units); and training in the various athletic activities. Recommended: English 12; Psychology 1, second 18 weeks; Hygiene 1; Bacteriology 1.

Preparation for the Major, University of California, Los Angeles.
Required: Chemistry 3; Physiology 3; Biology 1; Hygiene 1; Physical education (3 quarter units); and training in the various athletic activities.

FOR MEN
Physical Education
The physical education course for men comprises activities for groups and individuals. For the duration of the national emergency more emphasis is being placed on a physical fitness program stressing combat sports to develop ruggedness, alertness, cooperation, and discipline coupled with a sense of personal responsibility. Group activities include touch football, speedball, playground ball, basketball, volleyball, and baseball. Individual activities include wrestling, boxing, golf, swimming, and tennis. In tennis, match play is a regular feature of the training.

Physical Education (section limit, 35). (Gymnasium and Field).
Tennis: Open to first-year students and to those second-year students who have not had tennis before. Class limit, 24.
One-half unit, each quarter.

Athletics
Men who can pass the required physical examination may elect an athletic activity in place of physical education. The object of the training is the developing of representative athletic teams. Those enrolled are under the instruction and supervision of the College athletic coaches, and at the close of a season's schedule are transferred to classes in physical education for the rest of the quarter.
One-half unit, each quarter.
COURSES OF INSTRUCTION

FOR WOMEN

Physical Education

Huntley

The physical education course for women comprises the following activities and types of training: folk and character dances; gymnastic games; group and team competition in volleyball, basketball, tennis, archery, badminton, and hockey. Two hours weekly.

One-half unit, each quarter.

*Recreational Leadership

Huntley

Primarily for women who expect to major in physical education, for recreational and playground leaders, and for elementary school teachers. Includes simple folk and clog dances, informal games, marching, dramatic story plays, and rhythms suitable for young children. Two hours weekly. May be taken instead of, or in addition to, regular Physical Education course.

One-half unit, each quarter.

Athletics

Huntley

In addition to the sports offered in the general physical education course a more intensive training is given in extracurricular athletics preparatory to interclass games, play days, and events sponsored by the Women's Athletic Association. Tennis or any of the team sports may be elected.

One-half unit, each quarter.

PHYSICS

Preparation for the Major.

Required: Physics 1; 10; Chemistry 1-2; Mathematics 2D, 3A, 3B, 4A, 4B, 4C. Recommended: a reading knowledge of French and German.

1. General Physics

Bliss

Mechanics, properties of matter, and heat. Primarily for students who expect to major in physics, and for students in engineering, chemistry, and architecture. Mathematics 3abc must be taken concurrently with Physics 1. Three one-hour conferences and one laboratory period weekly. Prerequisite: high school physics, or Physics 2.

Four units, each quarter.

2. General Physics

TWOGOOD

Properties of matter, mechanics, heat, light, sound, electricity, and magnetism. A less technical course than Physics 1. Required for pre-medical students. Three one-hour conferences and one laboratory periods weekly. Prerequisite: elementary algebra and plane geometry.

Four units, each quarter.

3. Photography

Bliss

Lectures on making exposures, pictorial composition, lighting, slide making, apparatus, and materials; criticism of student's photography. Prerequisite: high school chemistry or physics with grade A or B.

Two units, each quarter.

10. General Physics

Bliss

Magnetism, electricity, wave motion, sound, and light presented as a continuation of Physics 1. Primarily for engineering students and for those who expect to major in physics. Two one-hour conferences and one laboratory period weekly.

Three units, each quarter.

PHYSIOLOGY

Preparation for the Major.

Required: Physiology 1; Physics 2; Chemistry 1-2, 13. Recommended: Zoology 1; Chemistry 10, 11; a knowledge of calculus; and a reading knowledge of French and German.

Physiology 1 or 3 is accepted in satisfaction of the requirement in hygiene for the degree of Associate in Arts.

1. Introductory Physiology

Gilchrist

The structure and function of the human body. Two lectures and one laboratory period weekly.

Three units, each quarter.

3. Physiology and Anatomy

Gilchrist

Same as Physiology 1, but with an additional laboratory period each week devoted to anatomy. Equivalent in content and hours to "Introductory Physiology" and "General Human Anatomy" as given at the University. Designed for majors in nursing or in physical education.

Four units, each quarter.
COURSES OF INSTRUCTION

POLITICAL SCIENCE

1. Comparative Government
   a. A consideration of the fundamental attributes of government, its
      origin, its form, and the functions of electorate and parties. The
      government and parties of Great Britain and the other important
      members of the British Commonwealth of Nations (autumn quar-
      ter).
   b. The government and parties of Germany, France, Switzerland,
      and Japan (winter quarter).
   c. The government and parties of Italy, Russia, and the United
      States (spring quarter).
   The course fulfills the "Requirement of American Institutions" for
   the A. B. or B. S. degree at U. C. Berkeley, or at U. C. L. A.
   Three units, each quarter.

PSYCHOLOGY

Preparation for the Major. Required: Psychology 1, and either
Physiology 1 or Zoology 1. Recommended: French, German, chem-
istry, physics.

1. General Psychology
   The scientific study of mental processes and human behavior. Re-
   quired for upper division courses in psychology and education.
   Recommended prerequisite: Biology 1A-1B, or Zoology 1, or Physi-
   ology 1 or 3, or Psychology 6.
   Three units, each quarter.

4. The Measurement of Human Behavior
   Mental tests and measurements as employed in psychology and in-
   dustry. Includes general aptitudes, special abilities, interest, tem-
   perament, and achievement; also an introduction to statistical pro-
   cedure.
   Two units, each quarter.

6. Psychology for Nurses
   A scientific study of mental processes and human behavior; the
   nervous system, heredity, environment, emotional and instinctive
   behavior, learning, intelligence, and personality. The course is
   completed in 18 weeks, and is required for admission to state
   accredited schools of nursing.
   One and one-half units, winter quarter; three units, spring
   quarter.

SECRETARIAL SCIENCE

The secretarial curriculum provides a thorough training in short-
hand, typing, and office practice. Credit received for Secretarial
Science courses will be accepted in partial satisfaction of the re-
quirements for the Associate in Arts degree, but the evaluation of
units in transfer will be left to the institution to which transfer is
made. All courses in the secretarial curriculum are vocational, and
the standards imposed by business custom and practice are main-
tained. The directed training program must be completed satisfac-
torily to qualify for recommendation to business positions.

1. Beginning Shorthand
   A basic course. A speed of 80 words a minute in five minute dicta-
   tion is developed.
   Five units, each quarter.

2abc. Shorthand
   a. Intermediate Shorthand. A review of fundamental theory with
      advanced vocabulary development. A skill of 100 words a minute
      is developed.
      Five units, Autumn quarter.
   b. Advanced Shorthand. A further development of skill in dicta-
      tion. Rapid and accurate transcription. A skill of 120 words a
      minute is developed. Prerequisite: Intermediate Shorthand or
      Equivalent.
      Five units, Winter quarter.
   c. Secretarial Dictation. Dictation and transcription in the more
      common business fields. A skill of 140 words a minute is de
      veloped.
      Prerequisite: Advanced Shorthand or Equivalent.
      Five units, Spring quarter.

3abc. Beginning Typing
   Learning machine parts, finger gymnastics, automatization of the
   frequent words and phrases, and rhythmic drills.
   Three units, each quarter.

4abc. Typewriting
   a. Intermediate Typewriting. Fundamental for practical use in
      business with emphasis on accuracy and speed. Prerequisite: Be-
      ginning Typing, or its equivalent.
      Three units, each quarter.
   b. Advanced Typewriting. Emphasis placed on speed and accuracy
      in doing professional work. Prerequisite: Intermediate Typing or
      its equivalent.
      Three units, Winter quarter.
<table>
<thead>
<tr>
<th>COURSES OF INSTRUCTION</th>
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<tr>
<td><strong>16. Business Mathematics</strong></td>
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<td>A review of the fundamentals of arithmetic necessary for competent participation in business. Special consideration is given to simple and compound interest, discounts, partial payments, taxes, insurance problems, fractions, decimals, profit and loss. Three units, autumn quarter and one and one-half units, winter quarter; or one and one-half units, winter quarter and three units, spring quarter.</td>
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<tr>
<td><strong>17ab. Business English</strong></td>
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<tr>
<td>A course to help secretarial students overcome deficiencies in grammar, punctuation, spelling, and business letter writing. The autumn quarter is devoted to a review of the fundamental principles of English grammar. The winter quarter is devoted to the theory and practice of business correspondence. Three units, autumn quarter; three units, winter quarter.</td>
</tr>
<tr>
<td><strong>SOCIOMETRY</strong></td>
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<tr>
<td><strong>labc. Social Institutions and Problems</strong></td>
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<tr>
<td>Introductory study of forms, trends, purposes, and interdependence of social groups. a. Survey of the problems of the principal social and economic institutions (autumn quarter). b. Principles and problems of American government (winter quarter). c. The agencies and problems of social welfare in a more local sense, including the institutions of home, school, and church (spring quarter). The course fulfills the “Requirement of American Institutions” for the A. B. or B. S. degree at the University of California, Berkeley, or at U. C. L. A. Three units, each quarter.</td>
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<tr>
<td><strong>4. Personal and Social Adjustment</strong></td>
</tr>
<tr>
<td>Designed to assist the student to acquire a better understanding of himself, his abilities, aptitudes, and personality traits. The student's self analysis is augmented by the use of standardized tests and questionnaires which measure general and specific ability and vocational interests. Three units, autumn quarter.</td>
</tr>
</tbody>
</table>
5. Family Relationships

Intended to give students a better understanding of marriage and family problems as they are affected by biological, psychological, and sociological factors. The course also provides definite help towards attaining a well-integrated and satisfying marriage.

Three units, winter quarter.

6. Economics of the Family

Intended to provide students with a better understanding of the problems most directly touching the welfare of the family in modern society. A study of income apportionment, household expenditure, and the management of time, labor, and leisure.

Three units, spring quarter.

SPANISH

Preparation for the Major.

Required: Spanish 1, 2, 3, 10 (each course with not less than a C average); a minimum of two years of high school Latin, or Latin AB. Recommended: Spanish 11; French, Italian, and additional Latin; History 8.

1abc. Elementary Spanish

The essentials of Spanish grammar with careful drill on pronunciation, reading, and writing; dictating and memorizing; translation of short stories and plays, with conversation based on Spanish texts. Collateral reading, with discussion in Spanish by the class. Open to students who have had no Spanish, or only one year of high school Spanish with grade of at least B.

Course conducted largely in Spanish. Prerequisite: Spanish 1abc, or two or three years of high school Spanish.

Four units, each quarter.

2abc. Intermediate Spanish: Reading and Conversation

Reading of Spanish novels, plays, short stories, periodicals, with oral and written exercises based upon the class work. Collateral reading, with reports in Spanish. Course conducted largely in Spanish. Prerequisite: Spanish 1abc, or two or three years of high school Spanish.

Two units, each quarter.

3abc. Intermediate Spanish: Grammar and Composition

Further study of Spanish grammar and syntax. Conversation, memorizing, and dictation relative to Spanish speaking countries, with abundant practice in oral themes and in written composition. It is advised that courses 2 and 3 be taken concurrently by the student who is planning to continue the study of Spanish in the university. Course conducted largely in Spanish. Prerequisite: Spanish 1abc, or three years of high school Spanish with grade of at least C.

Two units, each quarter.

4. Beginning Conversational Spanish

A supplementary course, with oral approach, designed for the student who requires review and oral drill upon the work he has previously taken, as well as for the beginner. Emphasis upon spoken Spanish and the early reading of easy stories and newspaper articles relative to Spanish and Spanish-American cultural materials. Attention to high frequency idioms and vocabulary building. Extensive collateral reading in English.

Two units, each quarter.

10. Advanced Spanish

The modern and contemporary Spanish novel and drama. The first eighteen weeks are devoted to a study of the novel; the second eighteen weeks to the drama. Selections from the works of important novelists and dramatists are read and discussed in class and as collateral work, with reports in Spanish. History of the Spanish novel and drama. Advanced theme writing upon selections read. Prerequisite: Spanish 2abc, or four years of high school Spanish.

Three units, each quarter.

11. Advanced Spanish Composition and Conversation

A review of grammar, composition, and conversational practices. Individual projects. This course is designed to meet the requirements of two classes of students: (1) those desiring further preparation for courses in the university; (2) those desiring greater facility in the practical use of the language. Spanish majors are advised to take this course concurrently with Spanish 10. Prerequisite: Spanish 2abc, four years of high school Spanish, or approval of instructor.

Two units, each quarter.

12abc. Advanced Spanish: Directed Reading

An extensive reading course. Oral and written reports submitted at weekly conferences. Prerequisite: Spanish 10 or permission of instructor.

One or two units, each quarter.

VOCATIONAL COURSES

Students wishing to enroll in vocational courses should confer with the Registrar. Units received for work completed in shop courses will be counted in partial satisfaction of the requirements for the Associate in Arts degree, but the evaluation of such units for transfer will be left to the institution to which transfer is made.
Auto Mechanics
A laboratory course in the fundamental principles of the operation and repair of the modern automobile. It is primarily intended to train the student with some mechanical aptitude for entry into some branch of the automotive trade. Special emphasis is placed on making the work practical and to conform with the best shop practices. Five hours of related work and fifteen hours of applied work weekly.
One to five units; or ten units, each quarter.

Electricity
A general course in electricity dealing with the theory of direct current and magnetic circuits, stressing the practical application and operation of D.C. circuits.
One to four units each quarter.

Machine Shop
First year.—Elementary machine operation. Floor and bench work. Related subjects covering mathematics, science, and drawing connected with the machinist's trade.
Second year.—Advanced shop practice. A continuation of elementary machine work, including the more intricate machine and floor operations. Five hours of related work and fifteen hours of applied work weekly.
One to five units; or ten units, each quarter.

Mill Cabinet
An advanced course in furniture making and wood turning. Includes training in the use of woodworking machinery and a study of different kinds of wood. Five hours of related work and fifteen hours of applied work weekly.
One to five units; or ten units, each quarter.

Printing
General theory and practice of commercial printing, covering fundamental principles of hand composition, linotype operation and maintenance; make-up; platen and cylinder press work; pamphlet binding; layout and design; use of English; copy editing, fitting, and proofreading; history of printing, its place in the arts and crafts, and its influence on civilization.
One to five units; or ten units, each quarter.

Radio
The fundamental principle of radio theory, operation, and repair.
One to four units, each quarter.

Welding
Instruction in arc and acetylene welding and its principal applications. A study of welding equipment and various types of electrodes, flat, vertical and horizontal welds, testing and inspection, flame cutting of metals, and safety precautions.
One to four units, each quarter.
Note: Other vocational courses may be offered if the demand warrants it and if the facilities be available.

ZOOLOGY
Preparation for the Major, U. C. (Berkeley). Required: Zoology I, and high school chemistry or Chemistry 1, 2 (first 18 weeks). Recommended: Chemistry 1, 2 (second 18 weeks), 13, 14; French or German; elementary courses in other biological subjects.
Preparation for the Major, U. C. L. A. Required: Zoology 1, Chemistry 1, 2. Recommended: French or German.

1. General Zoology
A study of the structure, classification, and the life histories of animal organisms. During the spring quarter the essentials of animal embryology are covered. Lectures, discussions, and field trips. The principal animal types are studied in the laboratory. Three lectures and two laboratory periods weekly.

*10. Comparative Anatomy of Vertebrates
An introduction to vertebrate morphology, development, and classification. The osteology, myology, and nervous system of the shark and the cat are studied in detail. Designed particularly for those who plan to major in zoology and for pre-medical and pre-dental students. One lecture and two laboratory periods weekly. Prerequisite: Zoology 1. First 18 weeks.
Three units, autumn quarter; 1½ units, winter quarter.

*12. Entomology
Anatomy, physiology, and life history studies of insects, with special reference to insects of economic importance. Lectures, conferences, laboratory, and field work. Prerequisite: Biology 1A-1B or Zoology 1, or equivalent. Second 18 weeks.
One and one-half units, winter quarter; three units spring quarter.
STUDENT ACTIVITIES

ORGANIZATIONS

ASSOCIATED STUDENT BODY

The Associated Student Body is the official organization of the students of Riverside Junior College. The management of its affairs is vested in an executive board consisting of the following officers, who are elected annually: President; Vice-President; Secretary; Treasurer; Men's athletic Manager; Women's Social Chairman; Men's Social Chairman; President Associated Women Students; President Women's Athletic Association; Editor Arroyo; Editor Tequesquite; Editor Varieties; Rally Committee Chairman; Forensics Manager. Official acts of the executive board are subject to review by the Director.

ASSOCIATED STUDENT BODY OFFICERS: 1944-1945

President—FRANK JOSEPH VOGEL, JR.
Vice-President—JOYCE HAHN (September–December, 1944)
CHARLES RICHARD METTEER
Secretary—PATRICIA HAMBLIN
Treasurer—None
Men's Athletic Manager—None
Men's Social Chairman—JAMES ANTHONY MERRICK
Women's Social Chairman—BETTY NADINE BENTON
Assembly Chairman—RUBY FRANCES BOYD

Editor Arroyo—FRANCES ELIZABETH FLETCHER
Editor Tequesquite—FRANCES ELIZABETH FLETCHER
Rally Committee Chairman—None
Forensics Manager—None

Student Adviser—HARRY DANGERFIELD

ASSOCIATED WOMEN STUDENTS

President—VIRGINIA MERRILL WHEELock (September–December, 1944)
JOYCE HAHN—(January–June, 1945)
Vice-President—None
Secretary—Treasurer—MARION SHARP
Social Chairman—MARCILLA COURBET
Veleda Representative—None

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STUDENT ACTIVITIES

OTHER ORGANIZATIONS

Engineers' Club
International Relations Club
Junior Lions
Kappa Upsilon (Y. M. C. A. Fraternity)
Lettermen's Club
Music Club
Out of State Club
Veleda Club (Y. W. C. A. Sorority)
Women's Athletic Association

PUBLICATIONS

Tequesquite

The Tequesquite is the Junior College annual. Its editor and business manager are appointed by the outgoing editorial board of the Tequesquite.

The Arroyo

The Arroyo, which is published weekly, contains current news of campus and college activities. Its editors and manager are appointed by the outgoing editorial board of the Arroyo. It is printed by the College Press.

DEBATING

Riverside Junior College is a member of the Southern California Junior College Debating Conference, which consists of two divisions, with the member colleges grouped as follows:

Western division: Compton, Glendale, Long Beach, Los Angeles, Pasadena, Santa Monica, Ventura
Eastern division, Chaffey, Citrus, Fullerton, Pomona, Riverside, San Bernardino, Santa Ana.

In the eastern division, three debate tournaments are held each year. On each occasion the ballots of the judges are sealed without being announced, and opened only at the close of the third tournament to decide the conference champion.

STUDENT ACTIVITIES

DRAMATICS

The interests of drama are served by the classes in dramatic art, English 9 and 19, which sponsor the production of two or three programs of short plays during the year.

MUSIC

Musical activities are given a large place in the life of the College. Instrumental music is represented by the string ensemble; choral music by the student choir and glee clubs. These organizations participate in assembly and commencement programs.

ATHLETICS FOR MEN

The College is a member of the Southern California Junior College Association, Eastern Conference. Two Commissioners of Athletics, one for the Western Conference, one for the Eastern, are charged with the enforcement of all rules and regulations pertaining to the athletic activities of their respective sections.

The Association recognizes for intercollegiate competition the following activities: baseball, basketball, boxing, cross country running, football, golf, gymnastics, mass athletics, swimming, tennis, track and field, and wrestling.

All institutions of the Association winning either sectional or association championships through regularly arranged sectional schedules or play-off contests are awarded suitable trophies. No individual awards are made.

ATHLETICS FOR WOMEN

Riverside Junior College is also a member of the Southern California Women's Athletic Association of Junior Colleges. Basketball, volley ball, indoor baseball, hockey, and tennis constitute the program of intercollegiate sports. Three junior college play days are scheduled each year.

ELIGIBILITY TO STUDENT ACTIVITIES

To be eligible to hold any Student Body Office or to represent the College in any intercollegiate activity, a student
must be passing in at least eleven and one-half units of work. In addition, all except first-year students enrolled in their first quarter must have passed in at least eleven and one-half units of work in their last previous quarter or semester. No student shall represent his institution in any athletic activity who registers later than three weeks after the first day of instruction in the quarter or semester in which he desires to compete.

RIVERSIDE JUNIOR COLLEGE GRADUATES
CLASS OF 1944

Florence Patricia Aman
Sophia M. Arciniega
Emily Ellen Brule
Allene Mosher Card
Frances Carlson
Doris Marjorie Claasen
Charles Albert Daniels
Adelaide Cornelia DeKoster
Ruth Weatherhead Hendricksen
Pauline Evelyn Kiech
Elizabeth Harriet Oberlin
Patricia Ruth Parker
Allen Thrasher Puder
Gaylor Singletary
Rosemary Tyler
Fern Inez Underhill
Helen Bernice Whitted
### STUDENT REGISTER

Names are listed alphabetically without regard to class. Status is indicated as follows:

- (1) first year student
- (2) second year student
- (3) third year student
- (Sp) special student
- (Gr) graduate student

A superior figure after Sp. or C indicates first year, second year, etc.

Home residence denotes the high school from which the student transferred unless otherwise stated.

College address is in Riverside unless otherwise stated.

#### AUTUMN AND WINTER QUARTERS, 1944-1945

<table>
<thead>
<tr>
<th>Name</th>
<th>Home Residence</th>
<th>College Address</th>
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<tbody>
<tr>
<td>Addington, Jean Cecelia (1)</td>
<td>Riverside</td>
<td>Goldhor, North Carolina Y.M.C.A. University of Washington 2118 Eighth Street Riverside 4651 Orange Vista Way</td>
</tr>
<tr>
<td>Albrecht, Fred Joseph (1)</td>
<td>Los Angeles</td>
<td>**********</td>
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<td>Best, Betty Nadine (2)</td>
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<td>Byers, Noble R. (1)</td>
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<td>Bynoe, John Edward (1)</td>
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#### SPRING QUARTER, 1944

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#### STUDENT REGISTER

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<td>Goldhor, North Carolina Y.M.C.A. University of Washington 2118 Eighth Street Riverside 4651 Orange Vista Way</td>
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<td>Albrecht, Fred Joseph (1)</td>
<td>Los Angeles</td>
<td>**********</td>
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<td>Alperin, Marion Fein (Gr.)</td>
<td>Riverside</td>
<td>Columbia University 6862 Palm Avenue Riverside 3032 Monroe Place</td>
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<td>Columbia University 4040 Madison Avenue Riverside 3406 Mulberry Street</td>
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<td>Columbia University 3306 Harrison Street, Arlington 4010 Harrison Street, Arlington</td>
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Hester, Ben G. (2)
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Hurley, Mary Margaret (1)
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Lilly, Colleen Rose (1)
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Leura, Clara Menden (1)
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Maughan, Carroll (2)
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Merrick, James Anthony (1)
Merrick, James Anthony (1)
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Mettler, Charles Richard (2)
Meyer, Ruth Mary (2)
Miller, Elizabeth Van Derveer (2)
Miller, Kenneth Washington (1)
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Montgomery, Milton Delandry (1)
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Moss, John Fielding, Jr. (1)
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Norville, Bruce (1)
Oberlin, Vera Louise (2)
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Parker, Richard Stanley (1)
Paris, Jacqueline Jo (1)
Perkins, Bernice Janet (1)
Provenza, Margaret (1)
Roe, Barbara Ethel (1)
Reed, Barbara Imogene (1)
Roberts, Arthil Marie (1)
Robinson, Aubrey Ernest (Sp. 1)
Ruddle, Lois Phillips (1)
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St. Marie, Philip Lawrence (1)
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Samson, Margaret Louise (2)
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Seeger, Dorothy Alice (4)
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Sharp, Marlan Elizabeth (1)
Shetlin, Clarice Patricia (1)
Shippee, Mary Ethel (1)
Shook, Rodney Ray (1)
Simmons, Lillian Reeves (3)
Simmons, Cordia Norma (2)
Simpkins, Merton Meekin (2)
Simpson, Betty Josephine (1)
STUDENT REGISTER

SUMMARY, AUTUMN AND WINTER QUARTER, 1944-1945

First year students ..................................... 41 74 115
Second year students .................................. 10 34 44
Third year students .................................... 8 8 16
Special students ...................................... 2 5 4
Graduate students .................................. 2 5 4
Totals .................................................. 61 123 184

SUMMARY OF STUDENTS BY RESIDENCE*

California .............................................. 18
Massachusetts ......................................... 1
Illinois .................................................. 1
Nebraska ................................................ 1
New York .............................................. 3
New Mexico .......................................... 1
Ohio ...................................................... 1
Oklahoma .............................................. 1
Pennsylvania .......................................... 2
Tennessee ............................................... 1
Texas ...................................................... 1
Utah ...................................................... 1
Washington .......................................... 1
Wisconsin .............................................. 1
Total ................................................. 184

*Residence denotes location of institution from which transfer was made.
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