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COLLEGE CALENDAR
1933–1934
SUMMER SESSION, 1933
June 26–August 4
(See Bulletin of Summer Session)

AUTUMN QUARTER
Sept. 21–22 Thursday, Friday, 9–4 Registration of students.
Sept. 23 Saturday, 9–12 Registration of students.
Sept. 28 Monday, 8:05 Instruction begins.
Sept. 29 Saturday, noon Last day for removing conditions and incompletes incurred in Spring Quarter.
Nov. 11 Saturday Armistice Day: a holiday.
Nov. 26–Dec. 2 Thursday–Saturday Thanksgiving recess;
Dec. 13–16 Wednesday–Saturday Quarter Examinations.
Recess from December 16 (noon) to January 1, inclusive.

WINTER QUARTER
Jan. 2 Tuesday, 9–4 Registration of students.
Jan. 3 Wednesday, 8:05 Instruction begins.
Jan. 20 Saturday, noon Last day for removing conditions and incompletes incurred in Autumn Quarter.
Feb. 21–24 Wednesday–Saturday Quarter Examinations.
Recess from March 24 (noon) to April 1, inclusive.

SPRING QUARTER
April 2 Monday, 9–4 Registration of students.
April 3 Tuesday, 8:05 Instruction begins.
April 21 Saturday, noon Last day for removing conditions and incompletes incurred in Winter Quarter.
May 20 Wednesday Memorial Day: a holiday.
June 15–20 Friday–Wednesday Final Examinations.
June 20 Wednesday, 8 p.m. Seventeenth Annual Commencement.
DIRECTORY

ADMINISTRATION OFFICES: At the right of Terracina archway

Director Telephone, 4310, Station 10
Registrar " " " 18
Dean of Women " " " 12
Office Secretary " " " 11

LIBRARY: North side of the Quadrangle.

BOOK STORE: Northeast corner of the Quadrangle

STUDENT BODY OFFICE Room 116

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

First Floor
Commerce.............................................. 100
Latin, Greek............................................. 101
French, Italian........................................ 102
Physics, Engineering, Astronomy.................... 103-105
Cooperative Education................................... 106-107
Geological Sciences, Geography....................... 107
Botany.................................................. 108-110
Bacteriology, Hygiene.................................. 108, 111
English.................................................. 112, 113, 115
Spanish, Household Art and Science.................. 114
Philosophy, Sociology, Psychology.................... 119
Music (Voice and Choral Training)..................... Auditorium

Second Floor
German.................................................. 201
Chemistry.............................................. 202-205
Zoology................................................ 206, 207
History, Economics, Political Science................. 208, 209, 211
Mathematics.......................................... 210
Art...................................................... 220

Basement:
Geological Sciences................................... 20, 21
Descriptive Geometry.................................. 22
Physics (photographic laboratory).................... 23, 24

Applied Arts Building: Telephone, 4310, Station 7
Typewriting............................................. 311
Stenography.......................................... 317
Printing............................................... Basement

Mechanics Building: Telephone, 4310, Station 1
Woodworking.......................................... 301
Auto Mechanics....................................... 305
Machine Shop......................................... 308
Mechanical Drawing (upstairs)......................... 310

Orchestra Building:
Band, Orchestra........................................ 400

Music Building:
History, Theory, Piano.................................. 500
OFFICERS OF ADMINISTRATION

THE BOARD OF EDUCATION

A. S. COOPER
HAYDEN L. HEWS
MRS. B. K. MARVIN
MRS. O. M. ROBERTSON
RALPH H. SMITH

OFFICERS OF THE BOARD

President: A. S. COOPER
Vice President: MRS. B. K. MARVIN
Clerk: MRS. O. M. ROBERTSON

SUPERINTENDENT OF CITY SCHOOLS

IRA C. LANDIS

EXECUTIVE OFFICERS

Director: ARTHUR G. PAUL
Registrar: ERNEST L. REA
Dean of Women: FRANCES M. FRASER
Librarian: AGNES B. COOPER

EXECUTIVE COUNCIL

Director, Registrar, Dean of Women

OFFICE SECRETARY

MARY ANDERSON

FACULTY

<table>
<thead>
<tr>
<th>Name</th>
<th>College Residence</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALLISON, Thomas G.</td>
<td>4563 Rubidoux Ave.</td>
<td>2086</td>
</tr>
<tr>
<td>ALLMAN, Richard M.</td>
<td>3743 Ramona Drive</td>
<td>2746-W</td>
</tr>
<tr>
<td>ANDERSON, Robert PATTON</td>
<td>2069 Carlton Place</td>
<td>1174-W</td>
</tr>
<tr>
<td>BEETLE, ALFRED W.</td>
<td>3050 Grand Ave.</td>
<td>939-R</td>
</tr>
<tr>
<td>BACON, CHARLES S.</td>
<td>5327 Brockton Ave.</td>
<td>2763-J</td>
</tr>
<tr>
<td>BATES, WILLIAM S.</td>
<td>4189 Edgewood Place</td>
<td>3059</td>
</tr>
<tr>
<td>BEATTIE, ALFRED W.</td>
<td>3806 Twelfth St.</td>
<td></td>
</tr>
<tr>
<td>BLISS, HOWARD H.</td>
<td>3641 Grand Ave.</td>
<td></td>
</tr>
</tbody>
</table>
FACULTY

BOARDMAN, Harry L. 4889 Terracina Court 1924
Philosophy, Sociology
A. B., Collfax College; D. D., McMinnville (now Linfield) College;
A. M., University of California. At Riverside Junior College since 1940.

BOLINGER, Ruth L. 3992 Walnut St. 3072
Assistant Librarian
At Riverside Junior College since December 1, 1931.

BUCK, Gladys Estelle 3431 Fourteenth St. 4722-W
History of Music, Theory, Piano
A. B., Mills College; A. M., Mills College. Student in piano with
Alma Schmidt Kennedy and Harold Bauer. At Riverside Junior
College since 1932.

COOPER, Agnes B. 4183 Walnut St. 2064
Librarian
A. B. University of Illinois, Phi Beta Kappa. At Riverside Junior
College since May, 1927.

COOPER, Ruth 6770 Palm Ave. 1894
Assistant in Botany, Chemistry, and Zoology
A. B., University of California. Graduate student, University of
California. At Riverside Junior College since 1931.

DALRYMPLE, Virgil S. 4786 Victoria Ave.
Dramatics
A. B., Butler College. Graduate student, Cornell University. At
Riverside Junior College since 1916.

DUFOUR, Bertha J. 4510 Orange Grove Ave. 2867-W
Bacteriology, Epidemiology, Psychology
A. B., University of California; A. M., University of California.
Graduate student, University of California (Hooper Foundation)
and Johns Hopkins University. At Riverside Junior College since 1927.

FARIS, Dr. Hervey S. 3616 Main St. Office Phone 22
Examinining Physician
A. B., Sterling College; A. M., University of Kansas; Ph. D., Uni-
versity of Kansas; M. D., Rush Medical College, University of
Chicago. At Riverside Junior College since 1929.

FRASER, Frances Maxwell “Clune,” Aurora Drive 1020
Dean of Women, Sociology
A. B., Vassar College; A. M., Columbia University; diploma, Oxford
University. At Riverside Junior College since 1923.

FOLLAN, C. L. 4301 Alta Vista 3112-W
Commerce
A. B., Wabash College; A. M., University of Southern California.
At Riverside Junior College since 1927.

HILL, Jesse T. 6082 Del-Ray Court 3642
Physical Education
B. S., University of Southern California. At Riverside Junior College since 1930.

HILVERKUS, Gustav 4465 Main St. 4209
Band
Student in Military School of Music, Berlin. At Riverside Junior
College since 1928.

HUNTER, Catharine S. 3608 Beechwood Place 2971-R
Physical Education
A. B., University of Nevada; A. M., Columbia University. At River-
side Junior College since 1926.

JAEGER, Edmund C. 4462 Sixth St.
Zoology, Biology, Physiology
B. S., Occidental College. Graduate student, University of California
and University of Colorado. At Riverside Junior College since 1922.

LINDHARDT, George A. 3581 Castle Reagh Place 4341
Mathematics
B. S., University of Pennsylvania; A. M., Yale University; Ph. D.,
Yale University. Graduate student, Massachusetts Institute of
Technology and University of California. At Riverside Junior
College since 1928.

McCart, Edward C. 3450 Prospect Ave. 1687-R
Botany, Biology
LL. B. Jefferson School of Law; B. S., University of Montana;
Ph. D., University of California. At Riverside Junior College since
1927.
McDERMONT, EARL ALEXANDER 4434 Twelfth St. 1574-W
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 1941.

MACKENZIE, MAURICE RUSSELL 4254 Orange St. 1820-M
Economics, Political Science, Sociology

MAY, JOHN W. 3505 First St. 3156-W
Military Science and Tactics
Sergeant D. E. M. L., U. S. A. At Riverside Junior College since October, 1929.

MEEKER, CHARLES H. 4293 Orange St. 4184
Educational and Mental Tests
B. S., Hillsdale College; M. S., Hillsdale College. Graduate student, Stanford University and University of California. At Riverside Junior College since 1922.

MOORE, CHRISTIE 3641 Fifteenth St. 1900-W
Household Art and Science
Graduate student, Teachers College, Columbia University. At Riverside Junior College since 1935.

MOORE, N. O. 4835 Howard Ave. 1843-J
Printing
A. B., Milton College. At Riverside Junior College since 1916.

MORTENSEN, JESSE P. 3391 Magnolia Ave. 5628
Physical Education
B. S., University of Southern California. At Riverside Junior College since 1930.

NEUFELD, WILLIAM 3868 Linwood Place 4915-W
Physical Education
B. S., University of California. Graduate student, University of California and University of Oregon. At Riverside Junior College since 1927.

Patton, Robert L. 3830 Tenth St. 2899-J
English
A. B., Stanford University. At Riverside Junior College since 1931.

PAUL, ARTHUR G. 1912 Pennsylvania Ave. 1655-J
Director
A. B., Occidental College, Phi Beta Kappa. Graduate student, University of California. At Riverside Junior College since 1917.

REA, ERNEST L. 3360 Mulberry St. 2717-J
Registrar, Greek and Latin
A. B., Stanford University, Phi Beta Kappa. Graduate student, Stanford University, Transylvania University, and University of California. At Riverside Junior College since 1916.

RICHARDS, JULIAN K. Box 331
French, German, Italian
A. B., Columbia University; A. M., Columbia University; Certificate d'Etudes Francaises, Universite de Grenoble. Graduate student, University of Chicago, Baylor University, and Stanford University. At Riverside Junior College since 1928.

ROUSE, PETRA 4231 Walnut St. 2006
Hygiene, Nursing Procedure
Graduate of Bellevue Hospital Training School for Nurses, R. N. At Riverside Junior College since 1930.

O'BRIEN, JAMES E. 2073 Mulberry St. 3008-J
Commerce
At Riverside Junior College since 1918.
Schmidt, Frederick
4536 Westmoreland Court
Orchestra
Diploma in Music, University of West Virginia. Student in music, Heerunn Geigenschule, Frankfurt am Main, and Stern Conservatory, Berlin. At Riverside Junior College since 1930.

Scott, James Coleman
3585 Madison St.
English
A.B., University of California. Graduate student, University of California and Stanford University. At Riverside Junior College since 1935.

Steen, H. Norman
4287 Lime St.
Voice and Choral Training
Student in voice with George Barlow Penny, Castellan-Variat, Mlle. Boitelle, Charles Norman Granville, and John Smallman. At Riverside Junior College since 1925.

Test, Charles Darwin
4450 Sixth St.
Chemistry
B. S. E., Purdue University; A. C., Purdue University. Graduate student, University of Chicago, Colorado School of Mines, University of Wisconsin, Hoerniliche Bergakademie (Freiberg, Saxony), Technische Hochschule (Berlin). At Riverside Junior College since 1925.

Twogood, Archie J.
4820 Somerset Drive
Physics, Engineering
B. S., University of California. Graduate student, General Electric Company, Schenectady, and University of California. At Riverside Junior College since 1929.

Wheelock, Ruth
3589 Beechwood Place
Director of School of Nursing
A.B., University of Michigan; M. A., University of Michigan. Graduate student, Columbia University, Vassar College Nurses Training Camp, Bellevue Hospital Training School for Nurses. At Riverside Junior College since April, 1927.

Wigley, William C.
4578 Fifth St.
Woodworking
At Riverside Junior College since 1916.

Wilson, Hiram Erwin
3465 Third St.
Physical Education
At Riverside Junior College since 1919.

ORGANIZATION

HISTORICAL SKETCH

Riverside Junior College was established in 1916 when, in response to a general petition of electors, the Board of Education of the City of Riverside authorized the introduction of junior college courses into the curricula of the Polytechnic High School. Registration in these courses, which were introduced September 15, 1916, reached the total of 104 in the first academic year.

Circumstances were particularly favorable for the development of a junior college at Riverside. The Polytechnic High School had been recently built, and its plant offered ample room for additional classes. Laboratories and shops had been provided with equipment suited to advanced work. Many of the faculty were experienced in college teaching. For the five years 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 valuation1 and a certain total average daily attendance2 in the high schools of the district.

1$3,000,000 prior to 1921; increased to $10,000,000 in 1921, and to $25,000,000 in 1929; at the present time ($1935) an amount to be determined by the State Board of Education as adequate for a junior college in the proposed area.

275 prior to 1921; increased to 400 in 1921, and to 1000 in 1929; at the present time (1935) a number to be determined by the State Board of Education as adequate for a junior college in the proposed area.
Authority to form such a district at Riverside was granted by the State Board of Education, and in October 1921 the Riverside Junior College District was duly formed and organized. As now constituted the college district is coterminous with the high school district, and embraces in addition to the city of Riverside the communities of Alvord, Ferndale, Glen Avon, Highgrove, Jurupa, Midland, Moreno, Union Joint, and West Riverside. With the formation of the college district, Riverside Junior College became in type a district junior college, having its own governing board—the same in personnel as the Riverside City Board of Education, but organized separately and functioning as the Junior College Board—and its own system of finance, which provides increased support from the state. Thus it is part of a state-wide system of regional junior colleges designed to popularize education in cooperation with the state University and under the 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 Junior College; and the rapid growth of the High School, demanding the exclusive use of its plant, made segregation imperative. Accordingly, property was purchased on Terracina Drive and Riverside Avenue as a site for the new campus. The buildings which stood on the site were used as temporary quarters, but their inadequacy only emphasized the immediate need of a plant of distinctively college character. To satisfy this need, 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.

The general management and control of the Junior College is vested in a Board of Education numbering five, who are chosen by popular vote 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 requirements of the University of California for the junior certificate is tantamount to fulfilling the requirements of most standard colleges and universities.

**THE ACADEMIC YEAR**

The Riverside Junior College is conducted on the quarter plan. The academic year is divided into autumn, winter, and spring quarters of twelve weeks each. The summer quarter is omitted, but a six weeks' summer session is held.

In converting semester units to quarter units, or vice-versa, the ratio employed is two to three; for example, six semester units are equivalent to nine quarter units.

**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 30,000. It may be reached by the Union Pacific, Santa Fe, or Southern Pacific railway, by the Pacific Electric, or by motor transit. A seasonal rainfall of approximately 11 inches and a mean temperature of 59.3 degrees for the college year (September 15 to June 15) assure climatic conditions which are exceptionally favorable for intensive study.

The college occupies a site at the junction of Terracina Drive and Riverside Avenue. The academic buildings stand at the edge of a broad mesa commanding an unobstructed view of the San Bernardino mountains twenty miles to the north. In the arroyo below are centered the physical activities. The campus is about a mile from the business district and may be reached by the Arlington (Magnolia Avenue) electric railway.

AN ADDITION TO THE CAMPUS

On May 17, 1932, a substantial addition was made to the campus area when Mr. and Mrs. A. C. Lovekin formally presented to the college a deed to two and one-half acres of land lying in Tequesquite arroyo. The property has a frontage of 300 feet on Olivewood Avenue and of more than 400 feet on Saunders Street. Its value is enhanced by the presence of many fine trees.

BUILDINGS AND EQUIPMENT

The architectural design of the central group of academic buildings is the work of G. Stanley Wilson. The different units, consisting of one and two-story structures, are grouped about an open court and connected by a continuous single or double-decked arcade, except on the west side of the quadrangle where 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 reenforced 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, the stage, and the departments of art and philosophy.

LIBRARY

The library with its reading room, stacks, and workroom occupies commodious quarters. The reading room, which is equipped with Library Bureau furniture, has seating accommodations for ninety students. The number of bound volumes is eight thousand, while approximately one hundred newspapers and periodicals are regularly received. The annual budget for books and magazines ranges from $2,000 to $5,000. The amount expended in 1931-1932 for new books (not including expenditures for magazines and binding) was $2,000. The librarian, who devotes full time to the work, is a university graduate of extensive professional experience. One full time and one part time assistant are also employed.

With the Riverside Public Library a special service contract exists which greatly increases the library resources available for the college students. On June 30, 1932, the Public Library reported a net total of 162,027 books, bound magazines, and government documents.

LABORATORIES

Laboratories devoted solely to junior college work are maintained in bacteriology, botany, chemistry, geological sciences, physics, and zoology. The value of apparatus and permanent equipment in the several departments is as
ORGANIZATION

follows: bacteriology, $4000.00; botany, $4,750.00; chemistry, $7,650.00; geology, $3,550.00; physics, $8,600.00; zoology, $3,250.00.

Other Equipment

The departments of astronomy, music, art, mechanical drawing, domestic science, and shop work are supplied with equipment adequate to their needs. A Steinway grand piano, four upright pianos, and a Victor Radio Electrola are part of the property of the music department.

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.

Gymnasium

The gymnasium, designed by the firm of Rea and Garstang of Los Angeles, is located in the arroyo below the mesa on which the academic buildings stand. It is of reenforced 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. The south wing, reserved for women, has one hundred and forty individual dressing booths. 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 220 straightaway, six tennis courts, four basketball courts, four volley ball courts, a baseball diamond, and an auxiliary baseball practice field.

In the fall of 1930 reenforced concrete bleachers were built to accommodate spectators attending pageants, football games, and track and field meets. The seating capacity is two thousand. To insure safety, four main exits have been provided, one at each end of the bleachers, one at the lower center, and one in the form of a broad reenforced concrete bridge which spans the gap between the bleachers and the hillside at the rear. The front passageway is overhanging in design, and affords weather protection for contestants in track and field meets as well as for outdoor classes. Underneath the bleachers an area 45 x 200 feet, with a minimum clearance of seven feet, provides space for offices, rooms for special exercises, lockers, and showers; store-rooms; and quarters for attendants and visiting teams. During 1931-1932, one-half of this underneath development was completed.

Music Buildings

On the east side of Riverside Drive stand the two frame buildings which are used by the music department, the one for piano and theory, the other for band and orchestra.
FINANCIAL STATEMENT FOR 1931-1932

Assessed valuation, Junior College District $23,928,940.00
Junior College District tax rate ............................................ .24
Balance, July 1, 1931 .................................................. $37,339.18

Receipts:
State Junior College fund $40,100.00
Junior College District tax 79,758.76
Other receipts 32,986.11
Total receipts $152,844.87

Expenditures:
Salaries $99,291.09
Library (exclusive of salaries) .... 2,820.14
Other expenditures 22,555.26
Total expenditures $124,666.49
Capital outlay 46,155.77

Total all expenditures $170,822.26
Balance, July 1, 1932 ........ 19,481.79

ADMISSION TO THE COLLEGE

ADMISSION TO FIRST YEAR STANDING
A graduate of a California high school may enter the Riverside Junior College upon presentation of proper credentials. Applicants from secondary schools outside of California are required to meet the same standards as applicants who enter from secondary schools in California. Candidates who are unable to present satisfactory school certificates and who desire to qualify for full admission may be admitted by passing examinations in the preparatory subjects constituting a standard high school course.

ADMISSION TO ADVANCED STANDING
Students from institutions of collegiate rank may be given advanced standing in the Riverside Junior College upon the presentation and approval of transcripts from such institutions.

ADMISSION TO SPECIAL STANDING
Special students are those who are not graduates of a high school, or who wish to enroll for less than ten units. Persons applying for admission to special standing must secure the approval of the Registrar before proceeding with matriculation.

ADMISSION AS AUDITOR
Persons not regularly enrolled in the College who desire to attend certain classes either occasionally or regularly without receiving credit should make application at the Administration office.
Auditors do not participate in class recitation or discussion, nor do they submit material of any kind with a view to receiving the criticism of an instructor.
### MATRICULATION

#### REGISTRATION

The opening day of each college quarter is Registration Day. Students registering one day late will be assessed $1.00, more than one day late $2.00. Those entering one week late must secure the approval of each instructor in whose class they desire to be enrolled before proceeding with matriculation. After the third week of each quarter registration is closed except to those who transfer direct from other colleges or universities.

For each academic year, the following general fees are charged, and are payable in full on whatever day and in whatever quarter the student first registers. No part of the general fees is refunded in case of withdrawal after the third week.

#### GENERAL FEES

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student body (autumn, winter, and spring quarters)</td>
<td>$10.00</td>
</tr>
<tr>
<td>(winter and spring quarters)</td>
<td>$7.50</td>
</tr>
<tr>
<td>(spring quarter)</td>
<td>$4.00</td>
</tr>
<tr>
<td>Cottage fee: (women)</td>
<td>$.50</td>
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</tbody>
</table>

#### COURSE FEES

In the following courses, the fees listed are payable each quarter on registration day:

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
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</thead>
<tbody>
<tr>
<td>Bacteriology 1</td>
<td>5.00</td>
</tr>
<tr>
<td>Bacteriology 10</td>
<td>5.00</td>
</tr>
<tr>
<td>Biology 1</td>
<td>5.00</td>
</tr>
<tr>
<td>Engineering 1</td>
<td>1.00</td>
</tr>
<tr>
<td>Engineering 10</td>
<td>3.00</td>
</tr>
<tr>
<td>Botany 1</td>
<td>3.00</td>
</tr>
<tr>
<td>Geography 1</td>
<td>1.00</td>
</tr>
<tr>
<td>Botany 10</td>
<td>3.00</td>
</tr>
<tr>
<td>Botany 11</td>
<td>2.00</td>
</tr>
<tr>
<td>Greek 2: syllabus fee</td>
<td>1.00</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>5.00</td>
</tr>
<tr>
<td>Mineralogy 1</td>
<td>1.00</td>
</tr>
<tr>
<td>Chemistry 10</td>
<td>5.00</td>
</tr>
</tbody>
</table>

No course fee will be refunded if the course is dropped after the third week of any college quarter.

A breakage fee of $1.00 is charged in each laboratory course in chemistry, physics, and bacteriology. Damage costs in excess of the $1.00 fee are assessed and payable at the time such damage is incurred.

Matriculation will be regarded as completed only when all fees and deposits are paid. Failure to make full payment subjects the student to the penalty imposed for late registration. All fees are payable at the Administration office.

When matriculation is complete, a registration card is issued to the student. This must be presented to the instructor in charge for admission to any and all classes. The registration card also serves as a certificate of membership in the Associated Student Body, admitting the bearer to all student activities at the Riverside Junior College, and giving him a year's subscription to the college paper.

A regular student whose record at the close of any quarter shows him to be passing in less than ten units is placed on probation. If he fails to pass in ten units of work a second time, he is considered ineligible to register.

A special student who is taking less than ten units in a given quarter and whose work has been unsatisfactory may be declared ineligible to register in the quarter following.

#### PROGRAM REGULATIONS

Official recognition is given only to those courses which have been approved by the Registrar's office and duly entered upon the matriculation card.
Physical education or military training is required of all students. Choice must be indicated on the program card. Exemption may be granted (1) to the student who because of physical disability can not engage in active exercise, providing he files promptly at the Administration office a physician’s certificate stating the cause of such disability and fixing the time limit for the exemption asked; (2) to the industrial student who is employed practically a full time working day; (3) to the student who is 25 years of age or over.

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. The normal load is 17 units.

To the student who expects to transfer to the University of California the following information is important. In the College of Letters and Science no undergraduate student in his first semester of residence is permitted to take more than 16 units of work in addition to physical education and military training. Again: seventy units is the maximum amount of credit which a student may count toward the bachelor's degree of 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 of California 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 a particular course, he should seek the written approval of the instructor concerned before filing his program. Forms for this purpose may be obtained at the Administration office.

The student who has received a mark of failure or condition 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. The student who has received a mark of incomplete may register for 18 units only by special permission of the Registrar.

A maximum of three weeks is granted for the removal of conditions and incompletes. The student who desires to remove a condition or incomplete must attend as an auditor the course or courses in which he has received a mark of condition or incomplete, unless he wishes to accept the mark as a failure. Auditors' cards may be obtained at the office. After the close of the third week unremoved conditions and incompletes are recorded as failures.

**COURSES OPEN IN THE WINTER QUARTER**

The following courses are open to new registrants at the beginning of the winter quarter (January 2, 1934):

- Art 10b, Other art courses.*
- Astronomy 1
- Band
- Botany 11.* Prerequisite: Botany 1
- Drawing 12
- English 10b
- English 14
- English 16b
- Greek 2b
- History 1b
- History 8b
- Hygiene 3b
- Mechanical Drawing
- Mineralogy 1b
- Music 2b
- Paleontology 1
- Philosophy 10b
- Physical Education 2b.*
- Physiology 1
- Piano II. Upon examination.
- Piano III. Upon examination.
- Political Science 1b
- Sociology 1b
- Sociology 10b
- Spanish 11

*With the approval of the instructor.
Matriculation

COURSES OPEN AT MIDYEAR

The following courses are open to new registrants at midyear (February 13, 1934):

- Biology 1B
- Botany 10
- Commerce
- Advertising
- Banking
- Marketing
- Economics 11
- English 10
- English 16
- Hygiene 3
- Mathematics 2
- Mechanical Drawing
- Military Science
- Spanish 10

COURSES OPEN IN THE SPRING QUARTER

The following courses are open to new registrants at the beginning of the Spring Quarter (April 2, 1934):

- Art 10c
- Other art courses
- Astronomy 1
- Engineering 11
- English 10c
- English 16c
- Greek 2c
- Mechanical Drawing
- Philosophy 10c
- Physical Education 2c
- Sociology 10c

COURSES OPEN TO TRANSFER STUDENTS

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

PROGRAM CHANGES

Students' programs 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 sanctioned 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 in paragraph 1, with the approval of the instructor.

At the end of the third week programs are to be regarded as fixed, and no laboratory fees will be refunded thereafter. Request for any change in program after the third week must be made by written petition which will be granted only for extraordinary reasons. Adding a new course after the third week entails the payment of $2.00 as a late registration fee.

During the last four weeks of any quarter, no course or courses may be officially removed from a student's program. A course discontinued for any cause within the last four weeks remains upon the program card, the student receiving at the end of the quarter whatever grade the work and circumstances warrant: failure, condition, or incomplete.

Discontinuance of any course without formal notice to the Registrar's office subjects the student to the risk of having his registration privileges curtailed or even revoked.
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, fair; D, barely passed; E, conditioned; F, failed; Inc., incomplete.

[Note: "C may be called the BASIC GRADE, the average grade of the great majority of students, the reward for work satisfactorily performed, implying nothing more discreditable than a lack of real distinction. B and A, on the other hand, are marks of real distinction." Scholarship Grades Circular, University of California, September 27, 1928.]

E, conditioned, denotes that the work has been unsatisfactory, and that an examination must be taken to remove the condition. Only one examination to remove a condition may be given. A fee of one dollar for each examination is required, a receipt for which from the Administration office must be presented to the instructor prior to the examination. The time of examination may be set by appointment with the instructor.

Inc., incomplete, denotes absence from an examination or failure to perform some of the allotted tasks in a given course, such as the writing of assigned themes, or the submission of notes. An incomplete may also be given for frequent and unwarranted absence from class. If an examination must be taken to remove an incomplete, the same terms apply as in the removal of a condition. See preceding paragraph.

A condition or incomplete incurred in any quarter must be removed within the first three weeks of the subsequent quarter, or be recorded as a failure.

Removal of a condition automatically raises the grade to D. No higher mark may be given.

Removal of an incomplete establishes whatever grade is warranted.

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

A course in which a passing mark has been received may not be repeated in order to raise the grade.

GRADE POINTS

On the basis of scholarship grades, grade points are awarded as follows:

A, 3 points per unit
B, 2 points per unit
C, 1 point per unit
D, no points per unit
F, minus 1 point per unit

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.
HONORS AND AWARDS

THE HONOR SOCIETY

The Riverside Junior College Honor Society was organized in February, 1921. Its purpose, as set forth in its constitution, is "the promotion of scholarship among the students" by affording public recognition to those who achieve academic distinction.

This society enrolls as associate members residents of Riverside who are members of honorary academic and scientific societies; and each year it receives as active members those students of the Junior College who have consistently maintained for five quarters the highest standard of scholarship.

The following graduates of the class of 1932 have been elected to membership:

Jennet Louise Henderson
Ruth Iva McClaskey
Jennet Louise Henderson
Prentiss Joe Riddle
Franklin Garrett

THE JUNIOR LIONS CUP

1932 Award

Jennet Louise Henderson
Allen Orville Smith

KIWANIS SCHOLARSHIP AWARD

1932 Award

Thelma Lenore Koger
Ruth Iva McClaskey

THE DONALD A. PORTEOUS FUND

THE H. S. REED PRIZE

1932 Award

John Douglas Graham

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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.

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

ABSENCE

A student is expected to attend every session of every course in which he is enrolled. Request for leave to be absent from 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.

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GENERAL REGULATIONS

LEAVE OF ABSENCE AND WITHDRAWAL

A student desiring temporary leave of absence or withdrawal from the College should notify the Registrar's office and make whatever arrangements are necessary for such absence or 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

The library is open on week days from 8 till 4, except on Saturdays, when it is open from 8 till 12. 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. Books reserved for collateral reading may be taken out at 3 p.m., and must be returned by 9 the next morning. (When taken out on Friday afternoon they may be kept till Monday morning). 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.

GRADUATION AND TRANSFER

CREDIT SYSTEM

Credit for work completed in the Riverside Junior College is given by assigning to each course of instruction a certain number of units. A 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 laboratory work, or for such distribution as the particular course may demand.

TITLE OF ASSOCIATE OF ARTS

The title of Associate of Arts will be conferred upon the student duly accredited as a high school graduate who completes satisfactorily a two-year college curriculum of 96 quarter units, including the following:

I. A major of at least 30 quarter units in one of 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 commerce, or any combination of these.
   - Group 4. Vocational subjects.

II. Physical Education (6 quarter units).

III. Three quarter units in the Constitution of the United States, including the study of American institutions and ideals. This requirement may be satisfied by taking the year course in Political Science, or the second quarter in Social Institutions, providing the study list maximum of 18 units shall not be exceeded.
at any time. If Social Institutions be elected, it is recommended that the full year course be taken.

IV. English 1.

No student will be required to undertake the two-year curriculum leading to the title of Associate Arts, but only those students who do complete the curriculum prescribed will be considered candidates for graduation.

With the proper election the same curriculum will satisfy the requirements for the title of Associate of Arts and for the junior certificate at a senior college or university. The conferring of the title of Associate of Arts is not, however, a guarantee of the student's admission to a university in its upper division.

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</td>
</tr>
<tr>
<td>Foreign language</td>
<td>5</td>
</tr>
<tr>
<td>Natural science</td>
<td>4 or 5</td>
</tr>
<tr>
<td>Social Institutions or Political Science</td>
<td>3</td>
</tr>
<tr>
<td>Physical education or Military Science</td>
<td>1 or 2</td>
</tr>
<tr>
<td>Electives</td>
<td>0, 1, or 2</td>
</tr>
</tbody>
</table>

THE JUNIOR CERTIFICATE

The Junior Certificate is awarded not only by a junior college but by a senior college or university, and is required for admission to the upper division. It is granted, upon application, to the student who has satisfactorily completed the lower division requirements specified by the university to which he applies for admission.

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 requirements of the University of California for the junior certificate is tantamount to fulfilling the requirements of most standard colleges and universities.

LOWER DIVISION REQUIREMENTS, COLLEGE OF LETTERS AND SCIENCE

The lower division requirements for the junior certificate in the College of Letters and Science will be fulfilled by completing in the Junior College the following curriculum of 90 quarter units of college work in addition to Physical Education or Military Science (6 quarter terms).

(a) English 1, or Subject A
(b) Foreign language. At least 22½ quarter units in no more than two foreign languages. Each year of high school work in a foreign language will be counted as 4½ quarter units in fulfilling this requirement.
(c) Elementary algebra and plane geometry (high school mathematics)
(d) Natural science. At least 18 quarter units chosen from the following list and including at least one course in laboratory science:

1Subject A is an examination required by the University of all candidates for the bachelor's degree, and is "designed to test their ability to write English without gross errors in spelling, grammar, diction, sentence structure, and punctuation". Students who enter the University with at least 90 quarter units of advanced standing and who elect English 1 in a junior college, receiving at least a C grade for the year, are exempt from the examination in Subject A.

2If after having completed one year's work in a foreign language in high school the student takes the regular first year Junior College course in the same language, he will receive 15 quarter units toward graduation but only 10½ quarter units (7 semester units) for transfer.

3If after having completed two years in a foreign language in high school the student takes the regular first year Junior College course in the same language, he will receive 15 quarter units toward graduation, but only 6 quarter units (4 semester units) for transfer.
GRADUATION AND TRANSFER

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry (high school)</td>
<td>4.5</td>
</tr>
<tr>
<td>Physics (high school)</td>
<td>4.5</td>
</tr>
<tr>
<td>Astronomy</td>
<td>6</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>12</td>
</tr>
<tr>
<td>Botany</td>
<td>15</td>
</tr>
<tr>
<td>Chemistry</td>
<td>15</td>
</tr>
<tr>
<td>Chemistry 10</td>
<td>12</td>
</tr>
<tr>
<td>Chemistry 12</td>
<td>9</td>
</tr>
<tr>
<td>Geology</td>
<td>18</td>
</tr>
<tr>
<td>Paleontology</td>
<td>6</td>
</tr>
<tr>
<td>Physics</td>
<td>12</td>
</tr>
<tr>
<td>Physics 1</td>
<td>12</td>
</tr>
<tr>
<td>Physics 10</td>
<td>9</td>
</tr>
<tr>
<td>Zoology</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>96</strong></td>
</tr>
</tbody>
</table>

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

1. English 1                  | 9
2. French                     | 9
3. Mathematics                | 9
4. Economics                  | 9
5. Economics 10               | 9
6. Economics 11               | 9
7. History                    | 9
8. History 8                  | 9
9. Political Science          | 9
10. Psychology                | 9
11. Sociology                 | 9

**PRE-ARCHITECTURAL CURRICULUM**

Students intending to major in architecture matriculate in the College of Letters and Science. They should take the following curriculum in their first year in the Junior College:

First Year

- Physical Education or Military Science
- Art 2abc
- Physics 1
- French 1
- Social Institutions or Political Science
- English 1

It is recommended that the student interested in architecture transfer at the end of the first year, but if he continues in the Junior College a second year the following curriculum is suggested:

Second Year

- Physical Education or Military Science
- Drawing 10
- Drawing 12
- Greek 2: at least the second quarter
- Electives necessary to complete the lower division requirements for the junior certificate.

**PRE-MEDICAL CURRICULUM**

Students intending to major in medicine matriculate in the College of Letters and Science. They should take the following curriculum in the Junior College:

First Year

- English 1
- Physical Education or Military Science
- Chemistry 1
- Foreign Language
- Social Institutions or Political Science
GRADUATION AND TRANSFER

Second Year

Physical Education or Military Science
Zoology 1
Electives necessary to complete the lower division requirements in the College of Letters and Science.

LOWER DIVISION REQUIREMENTS, COLLEGE OF COMMERCE

The junior certificate will be granted on the completion of not less than 96 quarter units of college work in addition to Physical Education or Military Science (6 quarter terms). Courses in typing, shorthand, and applied music in excess of 3 quarter units may not be offered as part of the 96 units required.

The lower division requirements will be fulfilled by completing in the Junior College the following curriculum:

Foreign language. At least 22\frac{1}{2} quarter units in one foreign language. Each year of foreign language taken in the high school is counted as 4\frac{1}{2} quarter units in fulfilling this requirement.

English 1
History 4, or History 8, or Political Science1
Geography 1

Natural Science. At least 13\frac{1}{2} quarter units.
Chemistry (high school) 4\frac{1}{2} quarter units
Physics (high school) 4\frac{1}{2} " "
Astronomy 1 6 quarter units
Bacteriology 1 6 " "
Botany 1 12 " "
Chemistry 1 12 " "
Geology 1 12 " "
Mineralogy 1 12 " "

Mathematics:
Mathematics 2. In addition, elementary algebra and plane geometry in the high school.

1Political Science also satisfies the requirement for the title of Associate of Arts.

GRADUATION AND TRANSFER

Economics 1
Physical Education or Military Science (6 quarter terms)
Electives

LOWER DIVISION REQUIREMENTS IN OTHER COLLEGES OF THE UNIVERSITY

For the lower division requirements of the Colleges of Agriculture, Engineering, etc., in the University of California the student should consult the special bulletins published by the University. Cf. also preparation for the major in engineering, page 49.

The student who expects to continue beyond the junior college should provide himself with a catalog of the institution to which he expects to go and should confer with the Registrar before arranging his course of study.

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. For each additional transcript a fee of one dollar is charged.

COPY OF RECORD

One copy of record is furnished free to any student requesting it. For each additional copy a fee of one dollar is charged. The copy of record carries honorable dismissal but no academic recommendation.
COURSES OF INSTRUCTION

PREPARATION FOR THE MAJOR

Certain lower division courses are prerequisite to a specified major in the University of California. In most cases, these should be completed before upper division work is undertaken. The Junior College student expecting to qualify for a certain major in the University should include in his study program the required preparatory courses listed here with in the department of his choice. The system of numbering employed throughout this section of the register is that of the Junior College.

ELECTIVES

Except in a very few cases, which are duly noted, all of the courses listed below are accepted by the University. A course may not fulfill a particular lower division requirement or requirement in preparation for a specified major, but it is accepted by the University as an elective.

ART

Preparation for the Major. Required: Art 2abc, 3abc, 19abc; English 1, or Philosophy 1 or 10.

Note. Art 2abc is required of architecture students.

2abc. Form. ALLMAN
Acquisition of a plastic vocabulary through the study of plant and animals forms. Drawing and modeling of memory images. Three two-hour laboratory periods weekly.

Two units, each quarter.

3abc. Form and Color. ALLMAN
Continuation of Art 2 with addition of color theory and practice. Three two-hour laboratory periods weekly. Prerequisite: Art 2abc.

Two units, each quarter.

4. Principles of Graphic Representation. ALLMAN
Light, shade, and perspective. A fundamental study of the technique of drawing, theory, and application. One lecture weekly.

One unit, each quarter.

7. Sketching and Composition. ALLMAN
Art anatomy and figure drawing.

One unit, each quarter.

13. Pen and Ink. ALLMAN
Technique and rendering of textures as applied to architectural and general subjects.

One unit, each quarter.

19a. Appreciation of Art. ALLMAN
A study of essential formal elements which underlie the theory and practice of the arts.

Three units, autumn quarter.

19b. History of Art. ALLMAN
A brief analysis of art history from prehistoric times down to the present period.

Three units, winter quarter.

19c. History of American Painting. ALLMAN
A study of American painting from the pre-revolutionary period to the present time.

Three units, spring quarter.

20. Special Study for Advanced Undergraduates. ALLMAN
Students registering in this course must have the permission of the instructor.

One or two units, each quarter.

ASTRONOMY

1. Elements of Astronomy. BLUMS
General facts and principles of the science of astronomy, relating primarily to the solar system. Two lectures each week supplemented by occasional periods of observation with the telescope.

Two units, each quarter.
COURSES OF INSTRUCTION

BACTERIOLOGY

Preparation for the Major. Required: Bacteriology 1; Botany 1; Chemistry 1; Physics 2; Zoology 1; French or German.

1. General Bacteriology. DeBéau
A course in general bacteriology, 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.

10. Advanced Bacteriology. DeBéau
A continuation of general bacteriology. The course involves studies of certain anaerobes and pathogenic organisms. Problem work stressed.

Blood and urine analyses. One lecture and two laboratory periods weekly. Prerequisite: Bacteriology 1.

Three units, each quarter.

BIOLGY

1A-1B. General Biology. McCarty, Jaeger
A study of life as revealed in plants and animals, including the basic principles of morphology, physiology, and classification; also a brief presentation of human physiology and metabolism. Two lectures and one laboratory period weekly. Accepted in satisfaction of the lower division requirement in biological science at Stanford University.

1A. Plant Biology.
Four and one-half quarter units, first eighteen weeks.

1B. Animal Biology.
Four and one-half quarter units, second eighteen weeks.

BOTANY

Preparation for the Major. Required: Botany 1, 10; Chemistry 1 (first semester). Recommended: French, German, Chemistry 1 (second semester) and 12, physics, elementary courses in other biological sciences.

1. General Botany. McCarty
A study of the morphology and physiology of the seed plants, of the habitat, structure, and reproduction of the algae, fungi, liverworts, mosses, and ferns, and an introductory study of the taxonomic, genetic, and ecological relationships of the seed plants. Three lectures and two laboratory periods weekly.

Five units, each quarter.

An introduction to the study of plant activities, including absorption and translocation of materials, carbon, assimilation, growth, and reproduction. Two lectures and two laboratory periods weekly. Prerequisite: Botany 1 and Chemistry 1.

Four units, autumn and winter quarters.

11. Classification of Flowering Plants. McCarty
A study of the characters and relationships of the principal families and genera of the flowering plants. Two laboratory periods, or one lecture and two laboratory periods weekly. Prerequisite: Botany 1.

Two or three units, each quarter.

CHEMISTRY

1. General Chemistry. Test
A course in general chemistry, including qualitative analysis. Three lectures and two laboratory periods weekly. Prerequisite: any two of the three high school subjects, chemistry, physics, trigonometry; or high school chemistry with a grade of 1 or 2.

Five units, each quarter.
10. Quantitative Chemical Analysis. A course in quantitative chemical analysis designed to give the student the underlying principles of the subject and to acquaint him with the commercial methods of analysis. Two lectures and two laboratory periods weekly. Prerequisite: Chemistry 1. Four units, each quarter.

12. Organic Chemistry. An introductory study of the carbon compounds. The laboratory work is designed to familiarize the student with the preparation, properties, and reactions of typical organic compounds. Two lectures and one or two laboratory periods weekly. Prerequisite: Chemistry 1. Three or four units, each quarter.

COMMERCCE

Lower Division Requirements. See pp. 40, 41.

Accounting. An introductory course designed to give the student intending to enter commercial pursuits a knowledge of the fundamental principles of accounting. The practical rather than the theoretic aspect of the subject is emphasized. The latter half of the year is devoted to present day accounting procedure. The use of columnar books, business papers, voucher systems, departmental and comparative financial statements, cash and bank records is presented in a way intended to reveal the importance of the accounting system and its utilization by business executives. One lecture and two laboratory periods weekly. Three units, each quarter.

Business Organization. An analysis of the various forms of business organization with special attention to the corporation—its formation, financing, and operation under California law. The course also includes brief studies of management, wages, purchasing, selling, traffic, credit, banking, and accounting. Lectures by representative business men. First eighteen weeks. Four and one-half quarter units.

Marketing. An intensive study of distribution, marketing functions, wastes and inefficiencies; types of distributors; cooperative marketing groups in California. Last eighteen weeks. Four and one-half quarter units.

Commercial Law. Embraces such principles of law as are essential to business men. Textbook and cases are studied, with special reference to the California Civil Code. The course includes contracts, agency, partnerships, corporations, negotiable instruments, bailments, suretyship, and bankruptcy. Special emphasis is placed on real estate law, including mortgages, trust deeds, leases, etc. Not open to first year students. Three units, each quarter.

Advertising. Fundamental principles of advertising, problems of space, type, engraving, copy, media, practice in writing copy. Last eighteen weeks. Not open to first year students. Three quarter units.

Practical Banking. An introductory study of 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. Two units, each quarter.

Retail Merchandising. Details of organization, profits and expenses; stock control; policies in retail advertising, merchandising, and selling. Last eighteen weeks. Three quarter units.

Stenography and Typewriting. The principles of Gregg shorthand, supplemented by the reading of shorthand plates and speed practice; dictation and transcription of miscellaneous business correspondence. Includes a course in office practice and typewriting. Credit allowed toward the Associate of Arts degree, but generally not transferable. (For an exception, see Lower Division Requirements, College of Commerce, University of California, page 40). One unit, each quarter.

Typewriting. For those who do not expect to follow typewriting as a profession opportunity is given to do practice typewriting. No credit given.
COURSES OF INSTRUCTION

DRAWING

1. Mechanical Drawing. Bates
Instruments practice and use; general preliminaries; establishing standards and various symbols; solution of practical geometrical problems and construction; elements of projection drawing, orthographic, isometric, and auxiliary projections. Standard lettering is rigidly insisted upon, and the student must qualify in both neatness and rapidity; the Gothic alphabet is given preference. For each unit of credit six plates are required.

2. Advanced Mechanical Drawing. Bates
Drawing of standard machine parts and conventions selected from standard handbooks on machinery. Machine vocabulary and correct forms of presentation and tabulation, with final machine assembly drawings and tracings preparatory to blue prints. Designing in structural steel and concrete electrical drafting, and the mechanics of aeronautics will be given if desired. For each unit of credit three plates are required.

3. Advanced Mechanical Drawing. Bates
A continuation of course 2. For each unit of credit three plates are required.

10. Architectural Drawing. Bates
(a) Pencil sketching and reproduction leading up to a working knowledge of typical classical orders in architecture. (b) The conventional standards employed in making architectural drawings, with some instruction concerning commercial signs and equipment used in building construction. (c) Practice in drafting plans for a residence. The set of plates submitted must meet given requirements and local restrictions and must be thoroughly practical. Prerequisite: Drawing 1 or its equivalent. Two units (six plates), or three units (nine plates).

12. Descriptive Geometry. Two Good
The fundamental principles of descriptive geometry and their application to engineering problems. Two lectures and three laboratory periods for drawing each week. Prerequisite: geometrical drawing and a working knowledge of analytic geometry.

ECONOMICS

Preparation for the Major. Required: Economics 1 and at least one of the following: History 4 or 8; Political Science; Philosophy 1 or 10abc; Geography 1; Psychology 1; Social Institutions 1. A reading knowledge of French and German is desirable.

1. Principles of Economics. Mackenzie
A study of the principles of economics, including such fundamental theories as those of value, rent, wages, 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. Not open to first year students.

Three units, each quarter.

10. Economic History of Europe. Mackenzie
An industrial and commercial survey of Europe from the eleventh century to the present time. Special emphasis is placed upon English developments. First eighteen weeks.

Four and one-half units.

A study of the efforts and institutions by which the American people have appreciated and used the resources of their country. Its purpose is to explain, historically, the present economic organizations of the nation. Second eighteen weeks.

Four and one-half units.

ENGINEERING

Preparation for the Major. See announcement of the College of Engineering, University of California, Berkeley. Bulletin 13. Recommended: physics, mathematics, chemistry, surveying, and drawing. These subjects are frequently prescribed by engineering schools for the first year. In general, it is recommended that the student without deficiencies who expects to major in engineering transfer to a university after one year in the junior college.

The student who is interested primarily in engineering but who does not expect to continue beyond the junior college should take these same subjects, namely: physics, mathematics, chemistry, surveying, and drafting; and such other courses in engineering as circumstances permit.
COURSES OF INSTRUCTION

1. Plane Surveying. *T. W. Good*
   Principles; field practice; calculations and mapping. Two one-hour conferences and two three-hour periods of field and mapping weekly. Prerequisite: plane trigonometry.
   Four units, each quarter.

3. Elementary Electrical Engineering. *B. Bliss*
   Circuits; wiring calculations; principles of direct current generators and motors; operation and testing of machines; automobile starting and lighting systems; design and construction of electro-magnets; electrolysis and batteries; telephone circuits and instruments; principles of alternating generators; choke coils; transformers; single phase and polyphase currents; condensers and their use in a.c. circuits; d.c. and a.c. meters; a.c. motors. Three one-hour conferences and one laboratory period weekly. Second six weeks of each quarter. Second six weeks of each quarter. Prerequisite: high school physics.
   Two units, each quarter.

10. Engineering. *B. Bliss*
   Study of the engineer's life and work, and examination of methods of preparation. Practice on typical engineering problems. Visits of inspection to industrial plants and engineering projects. A special fee of three dollars is charged regular students each quarter to cover expenses of inspection trips. Two hours each week and two days inspection each quarter.
   Two units, each quarter.

11. Mechanism. *B. Bliss, T. W. Good*
   A study of motions of machines without reference to the forces which produce them. Prerequisite: Physics 1.
   Three units, spring quarter.

12. Materials of Construction. *T. W. Good*
   Three units, autumn quarter.

ENGINEERING CALCULATION

Primarily for cooperative students, but open to others for six weeks in each quarter.

15. Engineering Calculation. *B. Bliss*
   Exponential functions, rectangular and polar coordinates, progressions and series, probability. Three hours weekly. [Discontinued after 1932-1933].
   One and one half units, each cooperative period.

ENGLISH

Preparation for the Major. Students who wish to make English their major subject must have completed, with an average grade of C, English 1 followed by English 10.

Such students are strongly advised to study at least one ancient and one modern foreign language in high school and to continue these studies in the lower division. Those who enter without Latin or Greek are advised to elect courses in Greek and Latin literature in translation. Philosophy should be elected in the lower division.

Course in Subject A. *J. Scott*
A twelve weeks' course to enable students to write English without gross errors in the mechanics of composition. Required of all students who do not qualify for English 1.
   Three units, any quarter. (Not transferable).

   A general study of the chief forms of composition, oral and written, with outside reading and written reports. Constant theme writing and individual conferences.
   Three units, each quarter.

2. Practical Newspaper Reporting. *T. Patton*
   A course designed to combine theory of the correctly written news and feature articles with contacts in actual reporting fields. Encouragement is given students interested in making newspaper reporting a profession. The facilities of real newspapers are made available whenever possible.
   In general, the course includes a study of the problems that must be met by the beginning newspaper reporter. Members of the class may expect work on the College paper, The Arroyo.
   Two units, each quarter.

8. Voice and Diction. *J. Scott*
   A general course designed primarily to give students a better knowledge of spoken English. The work includes vocal training, the use of the
speaking voice, and oral reading of prose and poetry selections. Particular attention is given to quality, force, time, and rhythm, and a careful study is made of the international phonetic alphabet to develop careful habits of enunciation and pronunciation.

Two units, each quarter.

10. English Literature. Anderson
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.

Three units, each quarter.

a. Non-dramatic poetry from the beginning to 1830.
   Three units, autumn quarter.

b. Victorian and twentieth century poetry, first six weeks; drama, second six weeks.
   Three units, winter quarter.

c. Non-fiction prose, first six weeks; the novel, second six weeks.
   Three units, spring quarter.

11. Advanced Composition. Anderson
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 essay 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.

Three units, each quarter.

12. Public Speaking. Scott
A course designed to develop skill in all kinds of public speaking. The work is divided into three parts: 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. Not open to first year students.

Three units, each quarter.

A continuation of Practical News Reporting 2. Open to a limited number of qualified students who are interested in longer articles for newspapers or magazines.

One unit, each quarter.

14. Play Production. Dabney
A study of the educational possibilities of amateur dramatics; principles of dramatic interpretation and characterization; laboratory work in stagecraft, managing, and directing. As a part of the course numerous one-act plays are presented by the class in the workshop theater. The third quarter is featured by the public presentation of a three-act play under student direction.

Two units, each quarter.

15. Preparation for the Major. French 1, 2, 10. History 1, Philosophy 10ab, and Latin are strongly recommended.

1. Elementary French. Richards, Beatie
Accurate pronunciation and the essentials of grammar. Three easy French texts are read, which form the basis for careful translation, conversation, and composition work.

Five units, each quarter.

2. Intermediate French. Richards
Further study of grammar, especially syntax, composition, reading of modern French novels and plays, with oral and written exercises based on them; dictation and memorizing of prose and verse; outside reading.

Prerequisite: French 1 or its equivalent.

Five units, each quarter.

10. Advanced French. Richards
A literature course involving the reading of French novels and dramas of the seventeenth, eighteenth, and nineteenth centuries. Outside reading
and written reports in French. Prerequisite: French 2 or its equivalent. [Not given in 1933-1934].
Three units, each quarter.

11. Advanced French Composition and Conversation. Richards
Students who intend to major in French or to continue with more advanced study in that language should take this course concurrently with French 10. [Not given in 1933-1934].
Two units, each quarter.

GEOGRAPHY

1. Introductory Geography. Bacon
A survey of the physical features of the earth, their development and modification. The major geographic regions of the world in their relationship to the economic development of man. Occasional field trips. Two lectures and one laboratory period weekly.
Three units, each quarter.

GEOLoGICAL SCIENCES

Preparation for the Major. Required: Chemistry 1; Physics 2; Engineering 1; Geology 1; Mineralogy 1; trigonometry, freehand and geometrical drawing. Recommended: French and German.

GEOLoGY

1. General Geology. Bacon
An introductory course in geology. Three lectures and one laboratory period weekly. Four half-day field trips, including one Saturday trip, each quarter. Prerequisite: high school chemistry or physics.
a. Geologic processes: physiographic processes and a study of common rocks and minerals.
b. Historical geology: origin of the earth and the development of life contiguous with sedimentation to close of paleozoic.
c. Historical geology: later history of the earth up to the present.
Four units, each quarter.

2. Field Geology. Bacon
A course designed to train the student in methods of observation, measurement, and recording of geological information in the field. A field map and geological report of the Riverside area is required of each student. One whole afternoon weekly. Prerequisite: Geology 1, or enrollment in Geology 1.
Two units, autumn and spring quarters.

MINERALOGY

1ab. Mineralogy. Bacon
A general course in mineralogy. Three lectures and one laboratory period weekly.
a. Crystallography and crystal structure; including detailed study of the systems and classes of natural and artificial crystals.
Four units, autumn quarter.
b. Physical and chemical properties of minerals; including identification of minerals by their chemical and physical properties.
Four units, winter quarter.
c. Descriptive mineralogy: the genesis, occurrence, and associations of the most important minerals. Occasional field trips. Prerequisite: high school chemistry or physics, or Geology 1.
Four units, spring quarter.

PALEONTOLOGY

1. General Paleontology. Bacon
A history of invertebrate and vertebrate life with emphasis on morphology, ecology, and paleographic distribution. Occasional field trips. Two lectures and one laboratory period weekly.
Three units, winter and spring quarters.

GERMAN

1. Elementary German. Beatie, Richards
Essentials of German grammar. Drill on pronunciation and inflections. Memorizing of best known German songs. Reading and translating in class of about 200 pages of easy prose. Collateral reading (at least 300 pages) of easy short stories.
Five units, each quarter.

2. Intermediate German. Beatie
Review of German grammar. Translation of classic German dramas, stories, and novels. Collateral reading of at least 1000 pages. Two days devoted to formal grammar, three days to reading.
Five units, each quarter.
GREEK

Preparation for the Major. Required: Greek 1, 10. Recommended: ancient history; Latin 2; German 1; Philosophy 1 or 10abc.

1. Elementary Greek. REA
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.

2abc. Greek Culture. REA
A lecture-recitation course dealing with Greek ideals and achievements in the world of thought. 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.
Two units, autumn quarter.
b. Architecture; sculpture; painting; music.
Two units, winter quarter.
c. Literature; philosophy; science.
Two units, spring quarter.

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

11. Advanced Composition. REA
Systematic review of Greek syntax.
One unit, each quarter.

HISTORY

Preparation for the Major. Required: History 4; Political Science 1, or Economics 1, or Geography 1. Recommended: History 8; a reading knowledge of at least one of the following languages: French, German, Italian, Latin, Spanish.

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Assigned readings and reports. No knowledge of Greek required.
a. Geographical background; historical survey; government; religion; education.
Two units, autumn quarter.
b. Architecture; sculpture; painting; music.
Two units, winter quarter.
c. Literature; philosophy; science.
Two units, spring quarter.

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Assigned readings and reports. No knowledge of Greek required.
a. Geographical background; historical survey; government; religion; education.
Two units, autumn quarter.
b. Architecture; sculpture; painting; music.
Two units, winter quarter.
c. Literature; philosophy; science.
Two units, spring quarter.

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Assigned readings and reports. No knowledge of Greek required.
a. Geographical background; historical survey; government; religion; education.
Two units, autumn quarter.
b. Architecture; sculpture; painting; music.
Two units, winter quarter.
c. Literature; philosophy; science.
Two units, spring quarter.

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a. Geographical background; historical survey; government; religion; education.
Two units, autumn quarter.
b. Architecture; sculpture; painting; music.
Two units, winter quarter.
c. Literature; philosophy; science.
Two units, spring quarter.

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Assigned readings and reports. No knowledge of Greek required.
a. Geographical background; historical survey; government; religion; education.
Two units, autumn quarter.
b. Architecture; sculpture; painting; music.
Two units, winter quarter.
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Assigned readings and reports. No knowledge of Greek required.
a. Geographical background; historical survey; government; religion; education.
Two units, autumn quarter.
b. Architecture; sculpture; painting; music.
Two units, winter quarter.
c. Literature; philosophy; science.
Two units, spring quarter.

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

of fiber used, construction, and finish as it affects cost, serviceability, durability, and beauty.
Three units, autumn quarter.

4. Income Management. MOORE
The value of money and the responsibilities connected with its possession. Personal and household accounts. Budgeting the personal and family income.
Three units, winter quarter.

HOUSEHOLD SCIENCE

Preparation for the Major. Required: Chemistry 1, 12; Economics 1.
Recommended: Bacteriology 1; Physics 2.

2. Elements of Nutrition. MOORE
Principles of nutrition and their application in normal and subnormal conditions of growth and physical development. Best taken in conjunction with Physiology 1 for those who expect to major in Physical Education.
Three units, spring quarter.

15. General Nutrition and Dietotherapy. MOORE
The course is given in two units. The first unit, requiring two quarters, is a study of food in its relation to life and health and the principles underlying simple cookery. In the second unit, diet in special disease conditions, the fundamental principles of nutrition and cookery are applied to the dietary treatment of the more common special diseases. Two lecture-recitations and one laboratory period weekly. Alternate cooperative periods. Required of all nurses in the first year. [Not given in 1933-1934].
One and one-half units, each quarter.

HYGIENE

1. Personal Hygiene. WHEELOCK
General consideration of normal physical and mental well-being and means of acquiring and maintaining both. One hour weekly. Alternate six-week periods, first year for nurses. [Not given in 1933-1934].
One-half unit, each quarter.
COURSES OF INSTRUCTION

MATHEMATICS

Preparation for the Major. Solid geometry; Mathematics 7, 8. A reading knowledge of French, Italian, and German is desirable.

1. General Mathematics.
   A comprehensive study of algebra, geometry, and plane trigonometry; and an introduction to analytic geometry and calculus. Prerequisite: two, three, or four years of high school mathematics.
   Three units, each quarter.

   The study of simple and compound interest, discount, annuities, payment of debts by various methods, depreciation and capitalized cost, stocks and bonds, and insurance tables. Primarily for students in commerce. Prerequisite: three years of high school mathematics of recommending grade, or Mathematics 1. May be taken either half of the year. Three course hours weekly.
   Four and one-half quarter units.

7. Introductory College Mathematics.
   A comprehensive review of advanced high school algebra, plane and solid geometry, and advanced plane trigonometry; and a brief introduction to analytic geometry and calculus. Prerequisite: four years of high school mathematics of recommending grade.
   Four and one-half units, autumn quarter.

8. College Algebra.
   The topics usually studied in college algebra. Prerequisite: four years of high school mathematics of recommending grade, and Mathematics 7.
   Four and one-half units, winter quarter.

3A Analytic Geometry.
   Plane analytic geometry. Prerequisite: Mathematics 8.
   For and one-half units, spring quarter.

3B. Differential Calculus.
   Differential calculus, with an introduction to simple integration. Prerequisite: Mathematics 3A.
   Four and one-half units, autumn quarter.
COURSES OF INSTRUCTION

4A. Applied Integration.
Applied integration, solid analytic geometry, and partial differentiation. Prerequisite: Mathematics 3B.
Four and one-half units, winter quarter.

4B. Advanced Calculus.
Multiple integration, infinite series, and simple differential equations. Prerequisite: Mathematics 4A.
Four and one-half units, spring 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 of 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 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 work in the R. O. T. C. unit, may upon entering an institution maintaining a senior R. O. T. C. unit, enroll in the advanced course in Military Science and Tactics. 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.

1. Military Training: Theoretical.
Three one hour periods weekly to cover musketry; map reading; sand table; aerial photography; camp, with actual experience in mapping; interior guard duty; Defense Act; organization; military roads and bridges; historical examples; administration; military law.
Two units, each quarter.

MUSIC

Preparation for the Major. Required: Music 1, 2, 3, 4, 10. Recommended: Art 19abc; English; History 4; foreign languages, particularly French and German; Philosophy 1 or 10abc; Physics 2.

HISTORY AND APPRECIATION

2abc. Music Appreciation. A course designed to develop true appreciation and enjoyment of good music through intelligent listening. A thorough study of the various music forms, illustrated by frequent examples chosen from the works of representative composers. Lectures, assigned readings, term papers.
a. Folk music of various countries; early instrumental forms. Two units, autumn quarter.
b. The orchestra; orchestral forms: classic, romantic, and modern. Two units, winter quarter.
c. Piano music: art song; opera and oratorio. Two units, spring quarter.

3. History of Music. The history of music of all countries from primitive times to the present. Essential elements of musical development and their relationship to social and political movements are stressed; also the correlation of music with the other fine arts. The development of music forms and the relationship of famous composers to the progress of musical art are studied and illustrated with frequent examples from representative works. Text: Pratt, the History of Music. Prerequisite: Music 2, or its equivalent. Applicants must consult instructor before registering for the course.
Three units, each quarter.

THEORY

1. Musicanship. The study of the fundamentals of music, pitch and rhythm notation, intervals from the overtone basis, major and minor scales, and intervals in melodic key relationship. The study of the major and minor triads and the dominant seventh chord in all positions in key relationship. Tonality, mode, harmonic quality, and elementary music form are
emphasized. Throughout the course much attention is given to sight
reading, ear training, melodic diction, and keyboard application. Text:
Wedge, Ear Training and Sight Reading.
Two units, each quarter.

4. Harmony I. **BUELL**
The fundamental principles governing four part harmonization begin-
nning with simple cadence writing. Harmonization of melodies; embell-
ishing tones; primary harmonies; and the simpler melodies, including
the substitutional harmonies. Rhythmic principles governing melody
harmonization. Special ear training on melodic, harmonic, and four
part dictation. Keyboard application. Prerequisite: Music 1, or its
equivalent. Applicants must consult instructor before enrolling for
Three units, each quarter.

10. Harmony II. **BUELL**
Advanced application of substitutional harmonies with extensive key-
board drill. The harmonization of more difficult melodies, including
the use of all diatonic harmonies. Simple modulation by common chord
and common tone. The study of chromatic harmony; augmented sixth
and Neapolitan sixth chords, harmonic dictation, analysis of composi-
tions of simple binary and ternary forms. Occasional original work.
Text: Alchin, Applied Harmony (revised edition). Prerequisite: Har-
mony I.
Three units, each quarter.

12. Music Composition. **BUELL**
This course presents further work in advanced harmony, including
modulation to remote keys; further study of common tone modulation
and chromatic harmony; and extensive keyboard drill, with a review of
the harmony text. Special attention to different styles of harmonization.
A more detailed analysis of simpler structural elements, binary, ternary,
and sonata allegro forms, the illustrated material being taken largely
from compositions of the classic and romantic schools. Original work
includes compositions of binary, ternary, song with trio, and the rondo
forms. Text: Alchin, Applied Harmony; Goetschius, Homophonic
Forms of Composition. Prerequisite: Harmony II.
Two units, each quarter.

**Choral Training.** **SPOHR**
A course which combines the study and presentation of choral music
with a detailed study of the principles and methods of choral procedure.
Only those students who have aptitude for the work will be accepted.
Those chosen will be assigned to one of the following groups:
Assembly Choir: a class of selected mixed voices, limited to thirty-five
members, which has for its aim the study and performance of the finest
choral music. Much a cappella singing. Five one-half hour periods
weekly.
One unit, each quarter.
Glee Clubs: separate classes for men and women, which have as their
objective the study and performance of suitable music. Two hours
weekly.
One unit, each quarter.

**Band.** **HILVERKUS**
The student band meets for two one-hour rehearsals weekly throughout
the year.
One unit, each quarter.

**Orchestra.** **SCHMIDT**
The student orchestra meets for a two-hour rehearsal once a week
throughout the year.
One unit, each quarter.

**Piano I.** **BUELL**
A beginning course in piano technic based upon the practical application
of elementary theory and music form. Emphasis is placed upon
musicianship and artistic interpretation. Supplementary reading. The
work is conducted in classes. Two hours weekly. Text: Nash, Music
Study Course.
One unit, each quarter.

**Piano II.** **BUELL**
Further work in interpretation and instrumental technic, with an
emphasis upon the development of artistic musicianship. Stress is laid
upon a satisfactory method of study as well as upon the development of
sound musical judgment and a reliable musical memory. The materials
used include scales, arpeggios, etudes, classics, and pieces chosen from
the works of romantic and modern composers. Supplementary reading. The work is conducted in classes. Two hours weekly. Prerequisite: Piano I, or its equivalent. Applicants must consult the instructor before enrolling for the course.

One unit, each quarter.

**Piano III.**
Continuation of Piano II, including in addition piano ensemble. Supplementary reading. Two hours weekly. Prerequisite: Piano II, or its equivalent. Applicants must consult the instructor before enrolling for the course.

One unit, each quarter.

**Voice I.**
A class in voice culture conducted for beginners. The elements of vocal technic, including breathing, tone placement, simple diction, and some song interpretation are presented in proper sequence, emphasis being placed upon tone production as the essential. Two hours weekly. Students who can not read music are advised to take in conjunction with Voice I the first quarter of Music I. Text: Spohr, the Art and Practice of Singing (with supplements).

One unit, each quarter.

**Voice II.**
Continuation of Voice I. Breathing, placement, diction, and interpretation. Students are required to participate in formal recital at the end of the year, if they would receive credit for the course. Supplementary reading. Students who can not read music must also take the first quarter of Music I. Two hours weekly. Text: Spohr, The Art and Practice of Singing (with supplements).

One unit, each quarter.

**NURSING**

**3. Principles and Practice of Nursing.**
Hospital housekeeping, bandaging, massage, elementary nursing, and advanced nursing procedures. One lecture and two laboratory periods weekly. Alternate six-week periods, first year for nurses. [Not given in 1933-1934].

Three units, each quarter.
textbook is used and extensive reading and written work are required.

a. The Greek period, including the physical philosophers, the enlightenment, and the systematic thinkers.
   Three units, autumn quarter.

b. The ethical and religious periods and the Middle Ages, including the Renaissance and transition to modern philosophy.
   Three units, winter quarter.

c. The modern period, including the systems of rationalism, empiricism, and German idealism; and a glance at philosophy since Hegel.
   Three units, spring quarter.

PHYSICAL EDUCATION

Physical education is required of all men who are not taking Military Training; also of all women.

Students must report to the department on the day of registration for assignment to a definite section.

Men or women expecting to major in physical education should consult the department instructors before making out their study list.

Preparation for the Major. Required: Chemistry 1, first half of the year; Biology 1B; Physiology 1; Psychology 1, first half of the year; Hygiene 3. Recommended: Bacteriology 1; Economics 1; Household Science 2; Physical Education 2abc, and (for women) Dancing.

WOMEN

It is recommended that all women provide themselves with the special gymnasium suit for junior college women as soon as classes are organized.

General Physical Education for Women.

The general 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, badminton, golf, and athletic events best adapted to women. Two hours weekly.

One unit, each quarter.

Dancing.

Natural dancing is offered as an elective. Movements, rhythm, poise, and relaxation of the body are stressed. Two hours weekly.

One unit, each quarter.

COURSES OF INSTRUCTION

Athletics.

In addition to the sports offered in the general physical education course a more intensive training is given in extra-curricular athletics, preparatory to inter-class games, play days, and events sponsored by the Women’s Athletic Association.

MEN

General Physical Education for Men.

The physical education course for men comprises activities for groups and for individuals. Group activities include touch football, speedball, playground ball, basketball, baseball, volleyball, apparatus work, and tumbling. Individual activities include wrestling, golf, and tennis. Competition in wrestling is allowed only after the student is thoroughly conditioned. Instruction in golf is given on the Magnolia course, and occasional tournaments are scheduled. In tennis, match play is a regular feature of the training.

One unit, each quarter.

2abc. Physical Education Survey.

A general survey of the field of physical education, intended primarily for those who are planning to qualify as teachers or coaches, but open also to those who desire a general knowledge of the subject. Students who enroll for training in the regular athletic squads and fulfill the requirements will receive three units instead of two.

a. The general school program in physical education and the professional curricula as developed by the teacher training institutions. Two hours weekly.

Two units, autumn quarter.

b. The intramural athletic program. Two hours weekly.

Two units, winter quarter.

c. Theory and practice of play and the playground program. Two hours weekly.

Two units, spring quarter.

Athletics.

Men who can pass the required physical examination may select athletics in place of physical education. The object of the course will be the developing of representative athletic teams. Those enrolled in this course will be under the instruction of the college athletic coaches and trainers.

One unit, each quarter.
PHYSICS

Preparation for the Major. Required: Physics 1, 10; Chemistry 1; Mathematics (see University of California catalogue). Recommended: Mathematics 8, and a reading knowledge of French and German.

1. Physics. Bliss, Twogood
Mechanics, properties of matter, and heat. Primarily for engineering students, who should plan to take Physics 10 in the second year. Three one-hour conferences and one laboratory period weekly.
Four units, each quarter.

2. Physics. Twogood
General physics, including properties of matter, mechanics, heat, light, sound, electricity, and magnetism. For all except engineering students. Three one-hour conferences and one laboratory period weekly.
Four units, each quarter.

3. Photography. Bliss
Lectures on making exposures, pictorial composition, lighting, slide making, apparatus, and materials; criticism of students’ photography. Prerequisite: high school or college course in either chemistry or physics.
Two units, each quarter.

Magnetism, electricity, wave motion, sound, and light. Primarily for engineering students and presented as a continuation of Physics 1. Two one-hour conferences and one laboratory period weekly.
Three units, each quarter.

PHYSIOLOGY

1. Introductory Physiology. Jaeger
An introductory course in anatomy and physiology designed to acquaint the student with the structure of the human organism and the laws governing its functions. Lectures, demonstrations, and dissections. Two lectures weekly. One laboratory period additional (autumn and winter quarters) for students preparing to major in physical education. Women expecting to major in physical education should transfer to the course in Household Science 2 at the close of the winter quarter.

POLITICAL SCIENCE

A Study in Comparative Government. Mackenzie
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.
Three units, autumn quarter.
b. The government and parties of Germany, France, Switzerland, and Japan.
Three units, winter quarter.
c. The government and parties of Italy, Russia, and the United States.
Three units, spring quarter.

PSYCHOLOGY

Preparation for the Major. Required: Psychology 1; Zoology 1. Recommended: Physiology 1; French, German, chemistry, physics.

1. General Psychology. DuBeau
A general introduction to a scientific study of mental processes. Three lectures weekly and one laboratory period every other week. Not open to first year students.
Three units, each quarter.

20. Abnormal Psychology. Wheelock
A course covering the various forms of mental derangements and disorders, their symptoms, causes, and treatment. Primarily for nurses, but may be taken by any student who has had the prerequisite, Psychology 1. [Not given in 1933-1934].
One unit, each quarter.
Students wishing to enroll in shop courses should confer with the department instructor concerning the number of units desired and the hours available. The Junior College assumes no responsibility for the acceptance of shop credits by other institutions. The evaluation of such units will be left to the institution to which transfer is made.

**SOCIETY**

*Preparation for the Major.* Social Institutions 1; Philosophy 10. Recommended: Economics 1; Paleontology 1; Psychology 1; Biology 1.

**SOCIOLOGY**

*Preparation for the Major.* Social Institutions 1; Philosophy 10. Recommended: Economics 1; Paleontology 1; Psychology 1; Biology 1.

1abc. Social Institutions. BOARDMAN, FISHER, MACKENZIE, McDermott

Introductory study of forms, trends, purposes, and interdependence of social groups; survey of elements and problems of the principal social institutions, with emphasis on written work and reading in the library.

a. General principles and organization of social institutions. Economic institutions and problems. Three units, autumn quarter.


c. Agencies and problems of social welfare in a more local sense, including the institutions of home, school, and church. Three units, spring quarter.

10abc. Elements of Sociology. BOARDMAN

A scientific study of human society; its elements in nature and man; the building of the social life through communication, custom and change, conflict, and cooperation; social institutions, including the family, the economic order, the state, education, and morals; and the principles of social control. Not open to first year students.

a. Ecological, biological, and psycho-social factors in human group life. The family group. Three units, autumn quarter.

b. Typical human groups, including occupational, political, educational, and religious. Racial groups and race conflict. Three units, winter quarter.

**SPANISH**

*Preparation for the Major.* Required: Spanish 1, 2, 10 (each course with not less than a C average); a minimum of two years of high school Latin.

1. Elementary Spanish. O'NEILL

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 discussions in Spanish by the class. Five units, each quarter.

2. Intermediate Spanish. O'NEILL

Advanced grammar, syntax, memorizing, and conversation; composition and reading of about 1300 pages of modern novels, plays, and short stories. Collateral readings, with reports in Spanish. The composition work is supplemented by dictation relative to Spanish speaking countries. Prerequisite: Spanish 1, or its equivalent. Five units, each quarter.

10. Advanced Spanish. O'NEILL

The modern and contemporary Spanish novel and drama. The first eighteen weeks 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 development of the Spanish novel and drama. Acquaintance with the authorities in this field. Advanced theme writing upon selections read. Prerequisite: Spanish 2, or its equivalent. Three units, each quarter.

11. Advanced Spanish Composition and Conversation. O'NEILL

A review of grammar, composition, and conversational practice. 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
COURSES OF INSTRUCTION

of the language. Spanish majors are advised to take this course concurrently with Spanish 10. Prerequisite: Spanish 2, or the special permission of the instructor.

Two units, each quarter.

ZOLOGY

Preparation for the Major. Required: Zoology 1, and high school chemistry or Chemistry 1. Recommended: Chemistry 1, 12; French; German; and elementary courses in other biological subjects.

1. General Zoology. JAEGGER
   A study of the structure, classification, and the life histories of animal organisms. Lectures, discussions, and field trips. The principal animal types are studied in the laboratory. Three lectures and two laboratory periods weekly.
   Five units, each quarter.

2. Entomology. JAEGGER
   An introduction to the common insects, their structure and development, with preliminary studies in classification. Laboratory work with occasional lectures and conferences. Those desiring to enroll in the course should consult the instructor. Hours arranged for convenience of students.
   Two units, each quarter.

3. Anatomy for Nurses. WHEELOCK
   An introductory course in anatomy and physiology designed to acquaint the students with the structure of the human organism and the laws governing its functions. Lectures, demonstrations, and dissections. Two lectures and one laboratory period weekly. Required of students of nursing, first year. [Not given in 1933-1934].
   One and one-half units, each quarter.

10. Comparative Anatomy of Vertebrates. JAEGGER
    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.
    Three units, winter quarter.

COOPERATIVE EDUCATION

Riverside Junior College offers a special type of education known as the Cooperative Course, which requires close coordination between the College and a number of organizations in Southern California.

TECHNICAL EXPERIENCE

Experience is an important factor in education, and the Cooperative Course is unique in providing experience in as large measure as classroom instruction. Each student spends in technical work, under the supervision of the College, every alternate six weeks throughout the year. The employment is arranged by coordinators on the college staff, who assign students to specific positions and arrange with the cooperating employers to change the work at intervals to give the widest possible experience. Starting at the bottom the student works up to positions of responsibility, and finishes his cooperative course as a semi-professional worker or as a recommended entrant to the upper division of a university. The student is often given the option of remaining permanently in the organization within which he has been trained or of returning to it after completing his academic preparation.

LENGTH OF COURSE

Owing to the fact that the cooperative student spends alternate periods acquiring technical experience, the usual first year academic work is ordinarily completed in two years. At the end of that time, engineering and library students generally transfer to regular status, entering the sophomore class at the Junior College.
COOPERATIVE EDUCATION

COOPERATIVE EMPLOYERS

Because of present economic conditions, very few of the organizations which have been cooperating with the Junior College are in a position to take students into their employ. Most of these plan to resume relations, however, when business conditions warrant an increase in their force.

Among the employers that have cooperated with the Junior College in this type of education are the Southern Sierras Power Company, the City of Riverside Electric Department, G. Stanley Wilson, architect, the American Potash and Chemical Corporation, the Riverside Public Library, the Douglas Company, the Kinner Airplane and Motor Corporation, G. Rouse and Company, the Santa Ana Sugar Company, the United States Forest Service, the Glenwood Mission Inn, the Riverside Cement Company, the Community Hospital, the Scripps Metabolic Clinic, the Edison Electric Appliance Company, and the Cresmer Manufacturing Company.

REQUIREMENTS FOR ADMISSION

At present there are few opportunities for entering the cooperative course. Applicants for whom places can be found will be selected on the basis of superior scholarship and achievement coupled with character and personality. Application may be made at any time, but preference may be given to earlier applicants. Blanks will be furnished by the Junior College office upon request.

RIVERSIDE SCHOOL FOR NURSES

The School of Nursing of the Riverside Community Hospital was founded in 1902, its object being to educate young women to become thoroughly competent in the practice and theory of nursing. In 1924 an affiliation was effected with the Riverside Junior College whereby a student may complete all of her requirements for state registration and at the same time qualify for graduation from the Junior College at the end of three years. In September, 1927 the School was transferred to the College.

The affiliation with the Riverside Community Hospital will be discontinued after July 1, 1933. No students will be registered in the School of Nursing in 1933–1934.
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; Rally Committee Chairman; Forensics Manager. Official acts of the executive board are subject to review by the Director.

ASSOCIATED STUDENT BODY OFFICERS 1932-1933

President—John V. Bock
Vice President—Orin T. Howard
Secretary—Margaret Virginia Nebblett
Treasurer—Avery M. Hunt
Men’s Athletic Manager—Harry M. Cecil
Women’s Social Chairman—Phyllis Irene Nims
Men’s Social Chairman—John Tompkins
President Associated Women Students—Barbara Maiden Cummings
President Women’s Athletic Association—Autumn Shade
Editor Arroyo—Suzanne Browne
Editor Tequesquite—Jane Christina Bock
Rally Committee Chairman—James Wilson Stockton
Forensics Manager—Elizabeth Leo Lohrli
Faculty Adviser—F. C. Fullenwider

Associated Women Students. The organization known as the Associated Women Students considers and promotes the special interests of the women students of the college.

OTHER ORGANIZATIONS. In addition to the Associated Student Body and the Associated Women Students, the following organizations are maintained at the College:

JUNIOR LIONS CLUB
LETTERMENS CLUB
WOMEN’S ATHLETIC ASSOCIATION
Y. M. C. A.
Y. W. C. A.

PUBLICATIONS

TEQUESQUITE. The Tequesquite is the Junior College annual. Its editor and business manager are elected by the Associated Student Body.

THE ARROYO. The Arroyo, which is published weekly, contains current news of campus and college activities. Its editors and manager are chosen by the Associated Student Body.

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 each division two sets of debates are held each year. A final dual debate for the championship is held between the winners in each division.
STUDENT ACTIVITIES

DRAMATICS

The interests of dramatic art are served by the organization known as the Black Masque. Membership in the club is acquired by filing application at the administration office and appearing before the committee for a tryout.

MUSIC

Musical activities are given a large place in the life of the college. Instrumental music is represented by a band and orchestra; choral music by the men's glee club, the women's glee club, and the assembly choir. These organizations participate in assembly and commencement programs and in the annual operetta.

Opportunity is also given those who are specially interested in choral music to affiliate with the Cantadores Club (for men), the Madrigal Club (for women), or the Riverside Community Opera Association. These are community organizations sponsored by the College.

ATHLETICS

The Junior College is a member of the Southern California Junior College Conference. Competition in intercollegiate athletics is under the supervision of the Conference. Football, baseball, basketball, and track are recognized as major sports; tennis, cross-country, golf, and swimming as minor sports. Suitable trophies are awarded in all of these sports to championship teams.

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

ELIGIBILITY

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 twelve units of work. In addition, all except freshmen enrolled in their first quarter must have passed in at least twelve 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 1932

Jane Adams
Lois Janet Adams
Annabelle Margaret Atwood
Marion Jane Bailey
Barbara Jane Barnes
Betty Virginia Bates
Everett Beals
Ethel Adele Bean
William Glenn Bergeron
Eleanor Rutledge Bird
Evelyn Boche
R. Sidney Braucher
Harry Bronson
Clifford Brown
Gretchen Brown
Lawrence Brown
Paul Brunmund
Duane Burdick
Harley Hilands Burnett
Elizabeth Mary Campbell
James Boorum Choate
Etta Lois Clark
Fred P. Clatworthy, Jr.
Virginia Coffin
Marie Conlan
Seymour Crabbe
Harold Jack Cunningham
James Fred Cunnison
Pauline Davenport
Charles William Day
Raymond Downs
Roger Drake
Elizabeth Fox
George Fraser

Lucie Bartlett Fryer
Franklin Garrett
John M. Gillespie
Grelle Gilman
Harman Raymond Goodreau
John Douglas Graham
Hester Mae Grayson
Marguerite Griffith
Wesley Gwin
Willard Martin Handlik
Norman Harris
Elizabeth Heckman
Jennet Louise Henderson
Peggy Hirst
Herbert Hoffman
Nan Elizabeth Huckell
Dorothy Ide
Marjorie Jester
Thelma Lenore Koger
Pauline Laura Lamoureux
John L. Leonard
George Lord
Margaret Mary Lynn
Ruth Iva McClaskey
John G. McCoy
Esther Carolyn McEuen
Kenneth W. McEuen
Helen McIwain
Lawrence Cedric McNutt
Hazel McQueen
Warren Mason
Frances Moulton
Marynell Moyer
Calvin Henry Mueller
Ernest Turnley Nichols

Minnie Okubo
Ethel Lillian Olson
Horace Parker, Jr.
Leona Margaret Parker
Gretchen Paschke
Paul James Patton
Evaline Perry
George L. Perry
Nazario Quequeneia
Mildred Kathryn Rehman
Alice Mary Richmond
Dorothy M. Rick
Prentiss Joe Riddle
Evelyn May Ross
Geneva Geraldine Ross
Victor Woodrow Saner
Harold Harrington Sheldon
*Miriam Lucile Short
Lida Belle Slaughter
Emery Sloat
Allen Orville Smith
Betty Helen Smith

William Henry Stark
Edward Raymond Staaneck
Gabrielle Stevenson
Margaret Leone Stewart
Verna Joe Stewart
Charles Taylor Test
Lawrence Winthrop Test
Thelma Josephine Thatcher
Betulia Toro
Paul Jasper Turner
Mildred Edythe Verner
Fidel George Vincente
Sanford Alexander Waugh
Mildred Evelyn Wells
Helen Alberta Westhafer
Ruth Elizabeth Weydall
Mary Ruth White
Herman John Wickman, Jr.
Eunice Marie Wildman
Roger P. Williams, Jr.
Eloise Woods
Martha Tsuyako Yoshida

*Certificate issued December 12, 1931.
## STUDENT REGISTER

Name: single alphabetized list without regard to class.

Status: (1) first year student  
(2) second year student  
(3) third year student  
(Sp.) special student  
(C) cooperative student  
(Gr.) graduate student

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

Home residence: represents high school from which student transferred unless otherwise stated.

College residence: addresses are in Riverside, unless stated to be elsewhere.

### SPRING QUARTER 1932

<table>
<thead>
<tr>
<th>Name</th>
<th>Home Residence</th>
<th>College Address</th>
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<tbody>
<tr>
<td>Bailey, Russell (Gr.)</td>
<td>Riverside</td>
<td>3891 Tenth Street</td>
</tr>
<tr>
<td>Eckenroth, George John (Sp.)</td>
<td>Loyola University,</td>
<td>4751 Terrace</td>
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<td>Frasher, Gertrude (Sp.)</td>
<td>Riverside</td>
<td>4449 Sixth Street</td>
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<td>Heller, Schomo (Sp.)</td>
<td>Palestine, Asia</td>
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<tr>
<td>Howell, Priscilla Jean (1)</td>
<td>Univ. of So. Calif.,</td>
<td>4484 Fifth Street</td>
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<td>Nichols, Rolland Lester (2)</td>
<td>Los Angeles</td>
<td>4464 Orange Grove</td>
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<td>Peterson, Pearl (Sp.)</td>
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<td>7194 Potomac Street</td>
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<tr>
<td>Sullivan, Raymond T. (1)</td>
<td>Stanford</td>
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<td>Vosburg, Jane Elizabeth (1)</td>
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<td>4021 Larchwood Place</td>
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<tr>
<td>Webb, Carroll (1)</td>
<td>Nevada, Texas</td>
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### AUTUMN AND WINTER QUARTERS, 1932-1933

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<tr>
<td>Anderson, Adah E. (2)</td>
<td>Los Angeles</td>
<td>4051 Ninth Street</td>
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<td>Anderson, Victor (1)</td>
<td>Coachella</td>
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<td>Angelo, Mortimer (4)</td>
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<td>Arnold, Lois (1)</td>
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<td>Arviso, James P. (1)</td>
<td>Elsinore</td>
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<td>Ashbrook, Roy Adams (2)</td>
<td>Riverside</td>
<td>925 Magnolia Avenue</td>
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<td>Ashcroft, Ada Elizabeth (4)</td>
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<td>Prado</td>
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<td>Atchison, Grace Katherine (1)</td>
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<td>Atwood, William Edward (3)</td>
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<td>4586 Lime Street</td>
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<td>Atzey, Raymond J. (1)</td>
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<td>418 Sheridan Street, Corona</td>
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<td>Ayers, Newell M. (1)</td>
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<td>Payallup, 3095 Loma Vista Place</td>
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<td>3607 Chestnut Street</td>
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<td>Ballinger, Paul Leighton (1)</td>
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<td>Banks, Pansy Mae (1)</td>
<td>Washington</td>
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<td>Baretta, Anna Mae (1)</td>
<td>Salem</td>
<td>1111 Ramona Street, Corona</td>
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<td>Barnes, Silas (Gr.)</td>
<td>Illinois</td>
<td>Cora</td>
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<td>Barnum, Harold Lee (1)</td>
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<td>3958 Rosewood Place</td>
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<td>Barnows, John (1)</td>
<td>Hemet</td>
<td>3414 Fourteenth Street</td>
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<td>Bassett, Walton (2)</td>
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<td>4189 Edgewood Place</td>
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<td>Batchelor, Margaret E. (Sp.)</td>
<td>Riverside</td>
<td>4810 Riverside Avenue</td>
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<td>Bates, Betty Virginia (Gr.)</td>
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<td>3711 Magnolia Avenue</td>
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<td>Bayard, Eldon A. (1)</td>
<td>Riverside</td>
<td>4873 Luther Street</td>
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<tr>
<td>Beav, Dorothy Vivienne (2)</td>
<td>Riverside</td>
<td>Box Springs, Care of Moreno Stage</td>
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<td>Beach, Regina Thais (1)</td>
<td>Riverside</td>
<td>Univ. of Calif., 4485 Vine Street</td>
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<td>Beal, Thelma Alice (1)</td>
<td>Riverside</td>
<td>4485 Vine Street</td>
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</tbody>
</table>
Carroll, Natta Lea (1)  Riverside  2681 Pleasant Street
Carter, Ethel Ellis (2)  Riverside  6725 Brockton Avenue
Cash, William Theodore (1)  Perris  3242 Lemon Street
Cecil, Harry M. (3)  Riverside  10694 Magnolia Avenue
Cena, Liberty Yolette (1)  Perris  4950 Magnolia Avenue
Chapman, Margaret Eltoft (C3)  Lombard, Illinois  4221 Walnut Street
Chelson, Virgil C. (3)  Riverside  8436 Indiana Avenue
Chupp, Betty Rae (1)  Riverside  Mears Avenue, Route 2
Church, Harold (2)  Inglewood  4339 Lime Street
Clark, Jack (1)  Chowchilla  4060 Chestnut Street
Coehran, Hugh Frazer (1)  Riverside  3709 Beechwood Place
Coe, Richard Gordon (2)  San Bernardino  1122 North Eighth Street
Coffelt, R. Mack (1)  Riverside  3744 Larchwood Place
Collins, Edward Hart (1)  Riverside  4474 Seventh Street
Collins, Janet R. (2)  Riverside  4426 Fourth Street
Colville, Marguerite Kabot (Sp.3)  Chaffey Junior  3857 Bandini Avenue
Colville, William T., Jr. (Sp.3)  College, Ontario  3857 Bandini Avenue
Connor, Barton (2)  Academy, Lafayette Avenue
Connor, Helen Margaret (1)  Riverside  5329 Beechwood Place
Coobner, Marjorie Beatrice (3)  Colton  3733 Larchwood Place
Coombs, Charles Ira (1)  Hemet  4159 Lemon Street
Copeland, Rosalind Bailey (C3)  Riverside  4693 Walnut Street
Conelnal, Willard (1)  Riverside  4419 Highland Place
Cox, Raymond Wesley (2)  Riverside  4290 Cover Street
Craven, Cecelia Grace (4)  Bridgeburg, 4409 Edgewood Place
Crawford, Sibyl Margaret (C5)  Ontario, Canada  4231 Walnut Street
Crogan, Fred Lincoln (2)  Inglewood  4339 Lime Street
Cummings, Barbara Maiden (2)  Riverside  6921 Riverside Avenue
Cummings, Russell Floyd (2)  Riverside  6179 Nogales Street
Cunningham, Carol Bell (1)  Corona  515 Fullerton Avenue
Cunningham, Harold Jack (Gr.)  Corona  1122 Garretson Avenue
Cunningham, Roy Donald (1)  Riverside  4658 Olivewood Avenue

Curtis, Earle Alvin (2)  Riverside  3909 Stotfa Street
Dahl, Wendell Oliver (Sp.1)  Riverside  3575 Brockton Avenue
Daley, Elmo Omar (1)  Riverside  3890 Stotfa Street
Daniels, Hazel Mae (5)  Riverside
Davidson, Woodson (1)  Riverside  6221 Highgrove
Davies, Dora (1)  Riverside
Davies, Sims Reeves (1)  Riverside  3140 Elwood Drive
Davies, Marjorie (1)  Riverside  3894 Pine Street
Day, Charles William (Gr.)  Los Angeles  2906 Twelfth Street
DeAlmeida, Antonio Juan (1)  Riverside  3491 Twelfth Street
DeForest, Everett Paynter (1)  Flint Junior  3607 Prospect Avenue
Dell, Kathleen DeMotte (2)  College, Flint, Michigan  3856 Fourth Street
Dennis, Dorothy Margaret (1)  High School, Los Angeles  3935 Market Street
Dickey, Robert Deane (1)  Los Angeles  3672 Seventh Street
Diefen, Josephine Alice (2)  Dakota
Dilworth, Richard Herbert (1)  Hemet  3406 Kansas Avenue
Dixon, Lyle William (2)  Riverside  3733 Arlington Avenue
Dole, Margery Kearne (1)  Beaumont  3174 Date Street
Downing, Jack C. (1)  Hemet  4092 Lemon Street
Dorothy, Grayce (1)  Glendale  4231 Walnut Street
Drake, Audrey Ellen (C4)  Santa Ana  4338 Elwood Court
Drake, Roger Maynard (Gr.)  Riverside
Drew, John Robert (1)  Riverside
Drummond, Laura Louise (1)  Riverside
Dundas, Gertrude (2)  Riverside
Dunn, Audice Earl (Sp.5)  Riverside
Dunn, Ellsworth M. (C5)  Riverside
Eager, Ella Louise (1)  Riverside
Early, Lee Henry (1)  Riverside
Easterling, Margaret Louise (1)  Riverside
Ebeling, Walter (Sp.7)  Riverside
Beaumont

Beaumont  3909 Rosewood Place
Highgrove
Riverside  3935 Market Street
Arlington
Kansas  2600 Eleventh Street
Philadelphia
Pennsylvania
Riverside  3406 Kansas Avenue
Riverside
Riverside  3733 Arlington Avenue
Riverside
Los Angeles  2906 Twelfth Street
Riverside  3491 Twelfth Street
Flint Junior  3607 Prospect Avenue
College, Flint, Michigan  3856 Fourth Street
High School, Los Angeles
Los Angeles  3935 Market Street
Los Angeles
Dakota
Hemet  Johnston Street, Hemet
Riverside  3406 Kansas Avenue
Riverside
Riverside  3174 Date Street
Hemet  4092 Lemon Street
Riverside  4231 Walnut Street
Santa Ana  4338 Elwood Court
Riverside  4826 Sedgewick Street
Riverside  3293 Locust Street
Bartlesville, 4236 Seventh Street
Oklahoma
Oklahoma
Winnet  3975 Fifth Street
Wimett  6706 Indiana Avenue
Montana
Montana  3960 Linwood Place
Riverside  4631 Brockton Avenue
Riverside
Univ. of California, Berkeley
Eckenroth, George John (3)
Loyola University, Los Angeles

Edell, Lois Barbara (C^2)

Eldred, Grace M. Elizabeth (Sp.)
Riverside

Eldridge, Ellen May (2)
Riverside

Elkins, Frances Mary (Sp.1)

Elliot, Elsie Joyce (1)

Erwin, Louise Edward (1)

Estes, Hugh Thomas (2)

Estudillo, Francis (1)

Evans, Norman Caldwell (2)

Evans, Paul (Sp.5)

Fagg, William (2)

Faris, Frances Maxine (3)

Perrier, Frank James (2)

Ferris, Melton (1)

Fierro, William Leonides (1)

Findley, Arlene (1)

Fitch, Margaret Elizabeth (2)

Fitzgibbon, John Walter (Sp.5)

Folsom, Dorothy Mabel (1)

Fornhals, Adele Josephine (C^2)

Frampton, Martha Elizabeth (2)

Frank, June Elizabeth (2)

Fraser, Olive Mary (C^2)

Freeman, Mildred Irene (1)

French, David George (1)

Fuglie, Chester N. (Gr.)

Fussell, Kenneth Homer (2)

Gallwas, Glen A. (1)

Gard, Margaret (3)

Gardner, Clara Augusta (1)

Garner, Charles Heard (1)

Garrison, Marion Seelye (1)

Garth, Morgan Chris (1)

Gianouke, Winslow Brockett (2)

Gibson, Edward G. (2)

Gilmore, Rhoda Elvira (2)

Gish, Mears Samuel (2)

Gist, Erma Ebone (2)

Gobruegge, Lester Darst (1)

Goninan, William Albert (3)

Gordon, Frances Viola (1)

Goss, Winston (1)

Graham, Jack Larkin (1)

Grant, Palmer (Sp.1)

Grant, Robert Benton (1)

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Grier, Helen Gertrude (C^3)

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Griffits, David Alexander (1)

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Gruber, Gene Harvey (1)

Guin, Wyman Woods (1)

Gwyn, Eleanor Lenore (2)

Gythe, Gladys Elizabeth (1)

Hall, Harold (1)

Ham, Charles Eldred (2)

Handford, Helen Marie (1)

Hamilton, Charles Gordon (1)

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Hammond, Jack C. (2)

Hammer, Margaret (1)

Hammer, Max Carter (1)

Handock, Richard Henry (2)

Hankins, Earl Valore (3)

Hansen, Lester George (1)

Mount Saint 4057 Eighth Street

Mary's College, Los Angeles

Long Beach 4539 Lime Street

Riverside R. F. D. 4, Agate Street

Inglewood 4539 Lime Street

Santa Barbara 3489 Twelfth Street

State Teachers College

Riverside 3565 Castle Reagh

Corona 1108 Victoria, Corona

Riverside 2791 Eighth Street

Butte, Montana 4110 Sedgwick Street

Riverside 3345 Market Street

Perris 3136 Market Street

Chowchilla 4006 Chestnut Street

Perris 4511 Orange Grove Avenue

Tuolumne, New Mexico 4221 Walnut Street

Elsinore 3137 Jurupa Avenue

Riverside 3347 Vine Street

Hemlock Street, Sunnymead

Inglewood 4339 Lime Street

Riverside 6905 Magnolia Avenue

Riverside 4156 Pepper Street

Riverside 4640 Bandini Avenue

Riverside 3147 Thirteenth Street

Riverside 1533 Mission Boulevard

Riverside 4414 Twelfth Street

Univ. of Calif., San Diego 5001 Victoria Avenue

Berkeley 10302 Magnolia Avenue

Corona 4067 Eighth Street

State Teachers College, Los Angeles

Riverside R. F. D. 1, Box 133

Riverside 131 East L Street, Colton

Riverside 1354 Mission Boulevard

Riverside 4414 Twelfth Street

Univ. of Calif., Berkeley

Post 139, March Field

Riverside 10302 Magnolia Avenue

Riverside 4747 Merrill Avenue

San Jacinto 5642 Magnolia Avenue

Hemet 4192 Lemon Street
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