REGISTRER
1938-1939

WITH ANNOUNCEMENTS FOR
1939-1940

RIVERSIDE, CALIFORNIA
PUBLISHED BY THE JUNIOR COLLEGE
APRIL, 1939

Riverside City College Library
Riverside, California
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COLLEGE CALENDAR
1939-1940

SUMMER SESSION
June 19-July 28

1939

AUTUMN QUARTER
Sept. 21, 22 Thursday, Friday, 8:30-4:00 Registration.
Sept. 23 Saturday, 8:30-12:00 Registration.
Sept. 25 Monday, 8:05 Instruction begins.
Oct. 9-13 Monday-Friday, 12:30-4:30 Examinations for removal of deficiencies incurred in previous Quarter.
Nov. 30, Dec. 1 Thursday, Friday Thanksgiving Recess.
Dec. 13-15 Wednesday-Friday Quarterly Examinations.
Recess from December 16 to January 1, inclusive.

SPRING QUARTER
April 1 Monday, 8:30-4:00 Registration.
April 2 Tuesday, 8:05 Instruction begins.
April 15-19 Monday-Friday, 12:30-4:30 Examinations for removal of deficiencies incurred in previous Quarter.
May 30 Thursday Memorial Day: a holiday.
June 17-19 Monday-Wednesday Final Examinations.
June 19 Wednesday Twenty-Third Annual Commencement.

WINTER QUARTER
Jan. 2 Tuesday, 8:30-4:00 Registration.
Jan. 3 Wednesday, 8:05 Instruction begins.
Jan. 15-20 Monday-Friday, 12:30-4:30 Examinations for removal of deficiencies incurred in previous Quarter.
March 20-22 Wednesday-Friday Quarterly Examinations.
Recess from March 23 to March 30, inclusive.

1940

SPRING QUARTER
April 1 Monday, 8:30-4:00 Registration.
April 2 Tuesday, 8:05 Instruction begins.
April 15-19 Monday-Friday, 12:30-4:30 Examinations for removal of deficiencies incurred in previous Quarter.
May 30 Thursday Memorial Day: a holiday.
June 17-19 Monday-Wednesday Final Examinations.
June 19 Wednesday Twenty-Third Annual Commencement.
DIRECTORY

ADMINISTRATION OFFICES: At the right of Terracina archway
  Director
  Registrar
  Dean of Women
  Office Secretary

LIBRARY: North side of the Quadrangle
WOMEN'S LOUNGE: Room 116
BOOK STORE: Room 117
STUDENT BODY OFFICE: Room 117
ARROYO OFFICE: Room 200

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

Quadrangle, First Floor
  German
  Latin, Greek
  French, Italian
  Physics, Engineering, Astronomy
  Cooperative Education
  Physiology
  Botany, Agriculture
  Bacteriology
  English
  Spanish
  Philosophy
  Music: Theory, Piano
  Music: Applied Music, except Piano

Quadrangle, Second Floor
  News Reporting
  Chemistry
  Zoology
  History, Psychology, Sociology
  Economics, Political Science
  Mathematics
  Commerce

Director 4310, Station 10
Registrar...
Dean of Women...
Office Secretary...

LIBRARY: North side of the Quadrangle
WOMEN'S LOUNGE: Room 116
BOOK STORE: Room 117
STUDENT BODY OFFICE: Room 117
ARROYO OFFICE: Room 200

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

Quadrangle, First Floor
  German
  Latin, Greek
  French, Italian
  Physics, Engineering, Astronomy
  Cooperative Education
  Physiology
  Botany, Agriculture
  Bacteriology
  English
  Spanish
  Philosophy
  Music: Theory, Piano
  Music: Applied Music, except Piano

Quadrangle, Second Floor
  News Reporting
  Chemistry
  Zoology
  History, Psychology, Sociology
  Economics, Political Science
  Mathematics
  Commerce

Director 4310, Station 10
Registrar...
Dean of Women...
Office Secretary...

LIBRARY: North side of the Quadrangle
WOMEN'S LOUNGE: Room 116
BOOK STORE: Room 117
STUDENT BODY OFFICE: Room 117
ARROYO OFFICE: Room 200

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

THE BOARD OF TRUSTEES

Mrs. E. M. Bonnett, Jr. (1942) 7515 Victoria Avenue
Hayden L. Hews (1940) Evans Building
J. Norman Irving (1942) 6499 Hawarden Drive
Chas. O. Reid (1940) 3870 Main Street
Mrs. O. M. Robertson (1940) 3523 Madison Street

OFFICERS OF THE BOARD

President: Hayden L. Hews Vice President: Mrs. O. M. Robertson
Clerk: Mrs. E. M. Bonnett, Jr.

SUPERINTENDENT OF SCHOOLS

Ira C. Landes School Administration Building

EXECUTIVE OFFICERS

Director: Arthur G. Paul Registrar: Ernest L. Rea
Dean of Women: Frances M. Fraser

Librarian: Agnes M. Cooper Office Secretary: Mary Anderson

FACULTY

EMERITUS LIST

Boordman, Harry L. 4030 Chestnut Street Tel. 1324
Philosophy, Sociology
A. B., Colfax College; D. D., McMinnville (now Linfield) College;
A. M., University of California. At Riverside Junior College, 1920-
1938.

Meeker, Charles H. 4235 Orange Street
Director of Research
B. S., Hillsdale College; M. S., Hillsdale College. Graduate stud-
ent, Stanford University and University of California. At River-
side Junior College, 1922-1937.

ACTIVE LIST

Allison, Thomas G. 4890 Rubidoux Avenue 2866
English
A. B., A. M., L. H. M., St. Mary's College, California. Graduate
student, University of California, and American Academy of Dram-
atic Arts. At Riverside Junior College since 1926.

Anderson, Robert Patton 3008 Carlton Place 2651
English
A. B., Princeton University, Phi Beta Kappa; A. M., Princeton
University. At Riverside Junior College since 1916.

Bachmann, Barton 3708 Ramona Drive 5504
Music: Theory, Piano
Associate Director and Staff Conductor, Opera, Extension Division
M. B., Chicago Musical College; M. M., Chicago Musical College.
Graduate student, Chicago Musical College. Student in piano with
Felix Borowski, Louis Victor Saar, and Alexander Raab. At
Riverside Junior College since October, 1937.
FACULTY

BAILEY, WILLIAM RUSSELL
3729 Rosewood Place
Chemistry
A. B., Stanford University. Graduate student, Pomona College, and University of California. At Riverside Junior College since 1933.

BALDWIN, DR. MARY CATHERINE
3618 Main Street
Office Phone 1109
Examining Physician for Women
A. B., Stanford University; M. D., Stanford University School of Medicine. Assistant Resident in Medicine, Stanford University. At Riverside Junior College since 1934.

BEATIE, ALFRED W.
4300 Ramona Drive
German
B. S., Oregon State Agricultural College; A. M., University of Washington. At Riverside Junior College since 1932.

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

BRANDE, REXFORD
3619 Prospect Avenue
Director, Art Center, Extension Division
Landscape Painting, Figure Drawing

BREUCKER, FREDA A.
3633 Kansas Avenue
Sculpture, Art Center, Extension Division
Graduate, Minneapolis School of Art. Student at Beaux Arts Institute, New York City. Commercial artist. At Riverside Junior College since 1937.

COOPER, AGNES B.
3743 Ramona Drive
Librarian
A. B., University of Illinois, Phi Beta Kappa. At Riverside Junior College since May, 1927.
Farran, Ann Ford 1315 West Cypress Avenue, Redlands
Weaving, Art Center, Extension Division A. B., Mill College. Graduate student, Columbia University, University of Southern California, and Redlands University. At Riverside Junior College since 1933.

Field, Avery Edwin 3616 Main Street Photography, Art Center, Extension Division Graduate, Illinois College of Photography. Professional photographer. At Riverside Junior College since 1937.

Fisher, Paul Lewis 3550 Linwood Place Botany, Agriculture B. S., University of Maryland; M. S., University of Maryland; Ph. D., Sigma Xi, University of Maryland. Graduate student, University of Chicago. At Riverside Junior College since 1937.

Fraser, Frances Maxwell 4570 Aurora Drive Dean of Women, Sociology A. B., Vassar College; A. M., Columbia University; diploma, Oxford University. At Riverside Junior College since 1923.

Fullerwidger, Francis C. 3720 Castle Reagh Place Commerce A. B., Wabash College; A. M., University of Southern California. At Riverside Junior College since 1927.

Gilchrist, Francis Garritt 2732 Iris Street Physiology, Psychology A. B., University of California; Ph. D., University of California. Graduate student, Yale University. At Riverside Junior College since January, 1937.

Griffith, Harry E. 6020 Del Ray Court Basketball, Baseball Ed. B., University of California at Los Angeles; A. M., University of California. At Riverside Junior College since 1936.
FACULTY

MOORE, CHRISTIE
3588 Beechwood Place 3381-J
Household Art, Household Science
B. S., Oregon State College. Graduate student, Teachers College,
Columbia University. At Riverside Junior College since 1925.

MOORE, N. O.
4858 Howard Avenue 1943-J
Printing
A. B., Milton College. At Riverside Junior College since 1916.

MORTENSEN, JESSE P.
3661 Bandini Avenue 5028
Physical Education
B. S., University of Southern California. At Riverside Junior
College since 1930.

O'NEILL, KATE NAVIN
3421 Fourteenth Street 3247
Spanish
A. B., University of California; A. M., University of California.
Graduate student, University of Washington, Stanford University,
University of Southern California, Harvard University, Colum-
bia University, University of Chicago, Universidad Nacional de
Mexico, George Washington University, and Universidad de
Madrid. At Riverside Junior College since 1916.

ORTIZ, PETER A.
3112 Walnut Street
Philosophy, Sociology, Spanish, Music
A. B., Colegio de Filosofia, Olot; A. M., Loyola University. Gradu-
ate student, University of Barcelona, New Mexico State College,
and University of California at Los Angeles. At Riverside Junior
College since May, 1937.

PATTON, ROBERT L.
4070 Jurupa Avenue 2899
English
A. B., Stanford University. At Riverside Junior College since 1931.

PAUL, ARTHUR C.
1012 Pennsylvania Avenue 1655-J
Director
A. B., Occidental College, Phi Beta Kappa. Graduate student,
University of California. At Riverside Junior College since 1917.
We refer to the 'ORGANIZATION' section on page 16 of the document for an overview of the foundation of Riverside Junior College. The text begins with:

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

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

On May 27, 1921, the California State Legislature passed the Junior College Act, which authorized the formation of junior college districts in communities having a certain assessed valuation\(^1\) and a certain total average daily attendance\(^2\) in the high schools of the district.

In accordance with this act and by authority of the State Board of Education the Riverside Junior College District was formed in 1921, and the institution became thereby a district junior college. As now constituted, the district embraces, in addition to the City of Riverside, the co-

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\(^1\) $2,000,000 prior to 1921; increased to $10,000,000 in 1921, and to $25,000,000 in 1929; at the present time (1939) an amount to be determined by the State Board of Education as adequate for a junior college in the proposed area.

\(^2\) Seventy-five prior to 1921; increased to 400 in 1921, and to 1000 in 1929; at the present time (1939) a number to be determined by the State Board of Education as adequate for a junior college in the proposed area.
communities of Alvord, Ferndale, Glenavon, Highgrove, Jurupa, Midland, Moreno, Union Joint, and West Riverside. The City Board of Education constitutes the governing board, but is separately organized as the Junior College Board of Trustees. The system of finance, as prescribed by the Junior College Act of 1921, provides a state apportionment of $2000.00 and, in addition, $100.00 for each unit of average daily attendance. This apportionment is supplemented by a district tax. The college is therefore part of a state-wide system of regional junior colleges designed to popularize education in cooperation with the State University and under advisory supervision of the State Board of Education.

The formation of the district suggested the advisability of erecting a separate group of buildings for the use of the College. Accordingly, property was purchased on Terracina Drive and Riverside Avenue as a site for the new campus. Two residences, which stood on the site (Gage Hall fronting on Terracina and the Collier cottage on Riverside Avenue)\(^1\), were used as temporary quarters. Bonds were voted on May 10, 1922, and again on January 18, 1927, which have given the Junior College its present physical plant on a separate campus, with its own library and laboratories, and its own faculty. Since 1927, certain other units have been added, the cost being defrayed by direct tax.

**MANAGEMENT AND CONTROL**

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

\(^1\)In 1924 Gage Hall was razed and the Collier Cottage was moved to its present location on Fairfax Avenue, where it serves the department of Music for classes in piano and theory.

**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 College Year**

The College Year begins in the latter part of September and continues through three terms of approximately twelve weeks each. These terms are known as the autumn, winter, and spring quarters. The fourth quarter is omitted, but a summer session of six weeks' duration is conducted immediately following the spring quarter. For further information concerning the summer session, see page 5 of this Bulletin, or the special Bulletin of the Summer Session, which may be obtained on application to the Registrar.

The ratio between units awarded on the quarter plan (as at Riverside Junior College) and units awarded on the semester plan (as at the University of California) is as three to two. Quarter units, therefore, may be con-
VERTED INTO SEMESTER UNITS BY MULTIPLYING BY TWO AND DIVIDING BY THREE; SEMESTER UNITS MAY BE CONVERTED INTO QUARTER UNITS BY MULTIPLYING BY THREE AND DIVIDING BY TWO.

LOCATION AND CLIMATE

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

The main campus occupies a site at the junction of Terracina Drive and Riverside Avenue. It is about a mile from the business district, and may be reached by automobile or by the Pacific Electric Railway. The academic buildings stand at the edge of a broad mesa overlooking an ancient watercourse, which was known to the Indians as Tequesquite" arroyo from the tequesquite or "soap soil" once found there in abundance. In this natural stadium the physical activities are centered. At the eastern end of the arroyo lies a five acre tract, which serves as an auxiliary campus. Half of this property was deeded to the College in 1932 by Mr. and Mrs. A. C. Lovekin. The other half, including a three-story residence, was acquired by purchase in 1935. The land, which is set with olive, walnut, and ornamental trees, has a frontage of 700 feet on Olive-wood Avenue, 270 feet on Terracina Drive, and 400 feet on Saunders Street. The building is used by the Extension Division for adult classes in art.

BUILDINGS AND EQUIPMENT

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

On the north side of the quadrangle are grouped the Administration Offices and the Library; on the east and south most of the departments of letters and science; on the west the Auditorium and the Departments of Art and Commerce.

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

LIBRARY

The Library reading room, which is equipped with Library Bureau furniture, has seating accommodations for 90 students. The number of bound volumes is 13,175. Approximately 100 newspapers and periodicals are regularly received. The annual budget for books and magazines ranges from $1000.00 to $2000.00. The amount expended in 1937-1938 for new books and magazines was $1909.96. The librarian, who devotes full time to the work, is a university graduate of extensive professional experience. Two full-time assistants are also employed.

On June 10, 1937, a grant of $3000 to the College for the purchase of library books was authorized by the Carnegie...
Organization of New York. The money is to be available in equal installments during a period of three years, beginning 1936-1937. The only stipulation of the Corporation is that the books purchased shall be chiefly for general reading by undergraduates.

The resources of the Riverside Public Library, with its 201,731 books, bound magazines, and government documents, are available to the College students.

Laboratories

Laboratories devoted solely to junior college work are maintained in bacteriology, botany, chemistry, engineering, geological sciences, physics, psychology, and zoology. The value of apparatus and permanent equipment in the several departments is as follows: bacteriology, $4750.00; botany, $4950.00; chemistry, $9000.00; engineering, $1500.00; geology, $3900.00; physics, $8000.00; physiology, $800.00; psychology, $300.00; zoology, $4000.00.

Shop Equipment

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

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

Machine Shop.—36" x 8' planer; Kempsmith milling machine; LeBlonde grinder universal; 16" backsaw; 24" shaper; tool grinder; 15" blower; center grinder; buzzer furnace; drill presses, and numerous lathes of different types and sizes.

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

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

Other Equipment

The Departments of Music, Art, and Household Arts and Science are supplied with equipment adequate to their needs. A Steinway grand piano, four upright pianos, a Victor Radio Electrola, and an R. C. A. Victrola 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. The indoor proscenium arch has a span of 20 feet 6 inches; the outdoor arch a span of 38 feet. The stage measures 41 x 44 feet.

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

The two-manual Kilgen organ is equipped with a full set of Deagan Class A chimes. The action is electro-pneumatic throughout. A double set of shutters allows the music to be heard either in the quadrangle or in the auditorium.
The Gymnasium is located in the arroyo below the mesa on which the academic buildings stand. It is of reinforced concrete. The main hall with a floor space of 85 x 106 feet is flanked by galleries which will accommodate sixteen hundred spectators. In the wings beneath these galleries are the shower and locker rooms. 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 a 220 straightaway, six tennis courts, ten basketball courts, twelve volley ball courts, a baseball diamond, and an auxiliary baseball practice field.

BLEACHERS

In the fall of 1930 reinforced concrete bleachers were built to accommodate spectators attending pageants, football games, and track and field meets. The seating capacity is two thousand.

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

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

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

HEALTH CONTROL AND HEALTH SERVICE

The College concerns itself with the maintenance of conditions favorable to the health of students and faculty, not only to safeguard the College community as a whole against epidemics, but also to guarantee to the individual student or instructor who enjoys normal health and physical vigor the opportunity to continue his college work under the most favorable circumstances. To this end, either Physical Education or Military Science is required of all students. Exemption may be granted to the student who because of physical disability can not engage in active exercise, providing a physician’s certificate stating the cause of the disability and fixing the time limit for the exemption be filed with the Registrar on the day of registration. In addition, a two-unit semester course in Hygiene is required of each candidate for the title of Associate of Arts.

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

At the beginning of the Autumn Quarter the student is given a thorough physical and medical examination by the College medical staff. Various tests and limited X-ray examinations are made. Cases needing professional attention are referred to the physician or medical service of the student’s choice.

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

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

FINANCIAL STATEMENT FOR 1937–1938

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessed valuation, Junior College District</td>
<td>$38,713,650.00</td>
</tr>
<tr>
<td>Junior College District tax rate</td>
<td>.13</td>
</tr>
<tr>
<td>Balance July 1, 1937</td>
<td>$23,407.19</td>
</tr>
<tr>
<td>Receipts:</td>
<td></td>
</tr>
<tr>
<td>State Junior College fund</td>
<td>$49,610.00</td>
</tr>
<tr>
<td>Junior College District tax</td>
<td>$48,280.43</td>
</tr>
<tr>
<td>Other receipts</td>
<td>$26,080.56</td>
</tr>
<tr>
<td>Total receipts</td>
<td>$123,970.99</td>
</tr>
<tr>
<td>Expenditures:</td>
<td></td>
</tr>
<tr>
<td>Salaries</td>
<td>$103,222.22</td>
</tr>
<tr>
<td>Library: books and magazines</td>
<td>$1,909.96</td>
</tr>
<tr>
<td>Other expenditures</td>
<td>$12,157.47</td>
</tr>
<tr>
<td>Total expenditures</td>
<td>$117,289.65</td>
</tr>
<tr>
<td>Capital outlay</td>
<td>$5,792.12</td>
</tr>
<tr>
<td>Total all expenditures</td>
<td>$123,081.77</td>
</tr>
<tr>
<td>Balance July 1, 1938</td>
<td>$24,293.41</td>
</tr>
</tbody>
</table>

ADMISSION TO THE COLLEGE

WITH FIRST YEAR OR ADVANCED STANDING

Admission to the College may be granted with First Year or Advanced Standing. The applicant for admission must be a graduate of a high school, must have been granted honorable dismissal from the last school attended, and must present a duly certified transcript of his secondary school record. A health examination by the medical authorities of the College is required before matriculation is complete.

The applicant from a secondary school outside of California is required to meet the same standards as the applicant from a secondary school in California. The applicant who is unable to present satisfactory credentials may be admitted by passing the examinations of the College Entrance Examination Board, New York City. These examinations are held at various places in California, such as Webb School, Claremont; Bishop School, La Jolla; Stanford University; University of California at Los Angeles; and University of California, Berkeley. Application to take the tests should be filed with the Executive Secretary of the College Entrance Examination Board, 413 West 117th Street, New York City. A fee of $10.00 (not a personal check) must accompany the application.

Advanced standing may be granted to the student transferring from an institution of collegiate rank upon presentation and approval of the transcript of record.

APPLICATION

Application for admission must be made on the form prepared by the College. This will be furnished by the Registrar's Office on request.
ADMISSION TO THE COLLEGE

The application should be filed, together with transcript of record, well in advance of the time the candidate expects to enter (in the case of high school students soon after graduation), so that there may be ample time for the Registrar's Office to evaluate credentials and to apprise the applicant of his acceptance.

A candidate for admission who has not filed an application may present himself on or after the appointed registration days, but he will experience delay in registering, and will not be able to complete his matriculation until all credentials have been received and approved.

SPECIAL STUDENTS

Admission as a special student may be granted to the applicant of college age who is not a high school graduate or who wishes to enroll for fewer than ten units. All special students are required to pay the regular fees.

AUDITORS

By special permission, students may attend, as auditors, certain lecture or recitation classes in which they are not actively enrolled. Persons not registered in the College may be granted such permission to a limited degree on payment of incidental fees. Admission cards are obtainable at the Registrar's Office.

Auditors do not participate in class recitation or discussion; they do not submit material of any kind for review; nor do they receive any academic credit for the courses which they attend.

FEES AND EXPENSES

FEES

GENERAL FEE

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

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autumn, Winter, and Spring Quarters</td>
<td>$10.00</td>
</tr>
<tr>
<td>Winter and Spring Quarters</td>
<td>7.00</td>
</tr>
<tr>
<td>Spring Quarter</td>
<td>4.00</td>
</tr>
</tbody>
</table>

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

LATE REGISTRATION FEE

A late registration fee of $1.00 is charged the student who matriculates after the appointed day of registration.

LABORATORY FEES

In each laboratory course a fee is charged, payable at the Registrar's Office at the beginning of each quarter. This fee is based upon the cost of materials or upon the use of instruments, and is not refunded, in whole or in part, if the course be dropped after the third week of the quarter.

Laboratory fees are as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Mechanics</td>
<td>$1.00</td>
</tr>
<tr>
<td>Bacteriology L</td>
<td>5.00</td>
</tr>
<tr>
<td>Bact. 2 (w. and s. qtrs.)</td>
<td>7.50</td>
</tr>
<tr>
<td>Bacteriology 10</td>
<td>5.00</td>
</tr>
<tr>
<td>Biology 1A</td>
<td>1.50</td>
</tr>
<tr>
<td>Biology 1B</td>
<td>1.50</td>
</tr>
<tr>
<td>Botany 1</td>
<td>2.00</td>
</tr>
<tr>
<td>Botany 10</td>
<td>2.60</td>
</tr>
<tr>
<td>Botany 12</td>
<td>2.60</td>
</tr>
<tr>
<td>Engineering 1</td>
<td>2.60</td>
</tr>
<tr>
<td>Engineering 10</td>
<td>3.00</td>
</tr>
</tbody>
</table>
FEES AND EXPENSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geology 1</td>
<td>1.00</td>
</tr>
<tr>
<td>Household Art 2</td>
<td>1.00</td>
</tr>
<tr>
<td>Household Art 3</td>
<td>.50</td>
</tr>
<tr>
<td>Household Science 2</td>
<td>1.50</td>
</tr>
<tr>
<td>Machine Shop</td>
<td>1.00</td>
</tr>
<tr>
<td>Military Science and Tactics</td>
<td>1.00</td>
</tr>
<tr>
<td>Mill Cabinet</td>
<td>1.00</td>
</tr>
<tr>
<td>Mineralogy 1</td>
<td>1.00</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1.00</td>
</tr>
<tr>
<td>Physics 1</td>
<td>2.00</td>
</tr>
<tr>
<td>Physics 2</td>
<td>2.00</td>
</tr>
<tr>
<td>Physiology 1</td>
<td>2.00</td>
</tr>
<tr>
<td>Physiology 3</td>
<td>3.00</td>
</tr>
<tr>
<td>Printing</td>
<td>1.00</td>
</tr>
<tr>
<td>Typewriting</td>
<td>1.00</td>
</tr>
<tr>
<td>Zoology 1</td>
<td>2.00</td>
</tr>
<tr>
<td>Zoology 2</td>
<td>.50</td>
</tr>
<tr>
<td>Zoology 10</td>
<td>2.00</td>
</tr>
</tbody>
</table>

BREAKAGE FEES

A breakage fee of $1.00 for the year 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.

EXPENSES

BOOKS AND EQUIPMENT

The cost of books and equipment depends upon the courses elected and the amount of work undertaken. The average yearly expenditure for books is $15.00 to $30.00; for materials $10.00 to $20.00. If secondhand books are purchased, the cost will be materially reduced. A complete list of texts and materials required for all courses, together with costs, will be published in a separate bulletin in September, 1939.

ROOM AND BOARD

The expense of room and board varies with the taste and resources of the student. Rooms alone are quoted at prices ranging from $7.00 to $20.00 per month, room and board from $20.00 to $45.00. Some students club together and reduce their expenses proportionally. About thirty women live at Fraser Hall, where room and board are provided at $22.50 per month. At Sheffer Hall, where training table is maintained, living expenses approximate $22.50 per month.

MATRICULATION

REGISTRATION

On the appointed days at the beginning of each quarter, all students are expected to appear in person at the Registrar’s Office and to complete their matriculation for the ensuing term.

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

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

After the first week of instruction the student must obtain the written approval of each instructor in whose class he desires to enroll before proceeding with matriculation. Approval forms may be obtained at the Office.

After the third week of each quarter registration is closed except to those who transfer directly from other colleges or universities.
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. Exemption may be granted (1) to the student who because of physical disability can not engage in active exercise, providing he files at the Registrar's Office when registering a physician's certificate stating the cause of such disability and fixing the time limit for the exemption asked; (2) to the student who is employed practically a full time working day; (3) to the student who is 25 years of age or over.

All candidates for the Associate of Arts title must complete one of the following options: Physical Education (6 quarter units) and Hygiene 1; or Physical Education (6 quarter units) and Hygiene 3; or Military Science (12 quarter units); or Military Science (6 quarter units) and Physical Education (3 quarter units); or Physical Education (6 quarter units) and Physiology 1, 2, or 3.

No one may enroll for less than 10 units or more than 18 units (including physical education or military training) without permission from the Registrar. Students are cautioned against enrolling for more work than they can reasonably carry. For those who are in good health and able to devote the major part of their time to college study the normal load is 17 units.

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

To the student who expects to transfer to the University of California the following information is important. In the College of Letters and Science at the University 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 in the University for work completed in a junior college, regardless of the College of the University he wishes to enter." If therefore the study-list total of any junior college student transferring to the University 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 making out his study-list. Forms for this purpose may be obtained at the Registrar's 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. A conference with the instructor concerned, preferably on registration day, is recommended so that arrangements may be made for the removal of the deficiency within the time specified. After the close of the third week unremoved conditions and incompletes are recorded as failures.
MATRICULATION

COURSES OPEN IN THE WINTER QUARTER

The following courses are open to new registrants at the beginning of the Winter Quarter (January 2, 1940):

Aesthetics 1†
Art 2b†
Art 3b†
Art 18b†
Art 19b†
Astronomy 1†
Botany 11†*
Botany 12†*
Engineering 2
Engineering 12†*
English 5
English 10b*
English 19†*
Greek 2b
History 4b
History 6b
History 9

Household Art 2
Household Art 3
Household Art 4
Household Science 2
Household Science 3
Hygiene 3b
Mineralogy 1b
Music 3b
Physics 2b
Physics 3 

COURSES OPEN AT MIDYEAR

The following courses are open to new registrants at mid-year (February 12, 1940):

Aesthetics 1†
Astronomy 1†
Bacteriology 2
Biology 1B
Botany 2
Botany 11†*
Botany 12†*
Commerce
Accounting
Advertising
Banking
Commercial Law
Marketing

Engineering 2
English 10*
English 19†*
Hygiene 1
Hygiene 3
Military Science†
Philosophy 10†*
Spanish 10

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.

STUDY-LIST CHANGES

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

During the second or third week of any quarter, a course or courses may be dropped as provided above, but no course may be added without the written approval of the instructor whose class the student desires to enter. Approval forms may be obtained at the Office.

At the end of the third week, study-lists are to be regarded as fixed. No course may be added thereafter.

†With the approval of the instructor.
*Not open to first year students.
†Prerequisite: high school physics with A or B grade.
††With the approval of the instructor.
*Not open to first year students.
A course may be dropped by petition, but laboratory fees are not refunded in whole or in part. Petition forms may be obtained at the Office.

During the last four weeks of any quarter, no course may be officially removed from the student's study-list. A course discontinued for any cause within the last four weeks remains upon the matriculation card, the student receiving at the end of the quarter whatever grade the work and circumstances warrant: failure, condition, or incomplete. If it is found that the deficiency incurred was due to illness or other unavoidable circumstance, an equitable adjustment is made.

Discontinuance of any course without notice to the Registrar's Office subjects the student to the risk of having his registration privileges curtailed or even revoked.

GENERAL REGULATIONS

COLLEGE RESIDENCE

There are two college dormitories: Fraser Hall, 3908 Tenth Street, with accommodations for thirty women, and Sheffer Hall, 3427 Main Street, with accommodations for thirty men. Both are cooperative houses conducted as private enterprises, the one under the supervision of the Dean of Women and a house mother, the other under the direction of an outside manager and house mother. Application for admission to Fraser Hall should be addressed to the Dean of Women at the College; application for admission to Sheffer Hall to Mrs. Bessie T. Sheffer, 3427 Main Street.

Women not living with parent or guardian must reside at places approved by the Dean of Women.

AUTOMOBILE PARKING

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

BOOKSTORE

A cooperative bookstore is conducted by the College for the convenience of students. The store is managed and operated by a member of the faculty, with student help. When books are ordered by students, a reasonable deposit is required.

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

CONDUCT

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

SOCIAL FUNCTIONS

All social functions are under the general supervision of the Dean of Women, and must be approved by her before any announcement concerning them is made. The time, place, and names of chaperones must be submitted a reasonable time in advance.

ABSENCE

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

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

APPLICATION OF ABSENCE AND WITHDRAWAL

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

CHANGE OF ADDRESS

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

USE OF LIBRARY

The Library is open on week days from 8 till 4, except on Wednesdays, when it is open from 8 till 4:30. 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 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.
GRADING SYSTEM

GRADES

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

- A, excellent;
- B, good;
- C, average;
- D, below average but passing, and accepted for transfer;
- P, passed, and accepted for graduation but not for transfer;
- E, conditioned;
- Inc., incomplete;
- F, failed.

C is the basic grade; A and B are marks of real distinction.

E, conditioned, denotes that the work has been unsatisfactory. It may indicate lack of application rather than lack of ability. How a particular condition may be removed will depend upon the nature of the deficiency: usually a reexamination is required. If an examination be given, a fee of one dollar is charged and payable at the Registrar's Office. Receipt for payment must be presented to the instructor conducting the examination.

Inc., incomplete, denotes absence from an examination or failure to perform some of the tasks assigned in a particular course primarily because of illness or other unavoidable circumstance. If an examination be given to remove the incomplete, the same terms apply as for the removal of a condition.

A condition or incomplete must be removed within the first three weeks of the next quarter in which the student registers, 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 merited.

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.

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.

GRADE POINTS

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

- A, 3 points per unit of credit;
- B, 2 points per unit of credit;
- C, 1 point per unit of credit;
- D, no points per unit of credit;
- F, minus 1 point per unit of credit.

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

THE HONOR SOCIETY

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points per Unit of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
</tr>
</tbody>
</table>

4. The candidate must have elected a major (of at least 30 units) in Subject Group 1, 2, or 3, as required for the title of Associate of Arts. (See page 45).

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

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

The following graduates of the class of 1938 were elected to active membership at the annual meeting:

- Margaret Elsie Babcock
- Robert Ellsworth Cordell
- Caroline Warren Frost
- Betty June Cassen
- Natalie Muriel Guard
- George Hathaway Dole
- Margaret Anna Corey

AWARDS AND SCHOLARSHIPS

JUNIOR LIONS CUP

The Junior Lions Cup has been presented each year since 1928 to the man of the graduating class who, in the judgment of the Committee, has rendered the greatest service to the College during the year. A similar cup is given to the woman of the graduating class who has been adjudged worthy of like honor. The recipients of the cup in 1938 were Edward Emery Swofford and Frida Barbara Winters.

WOMENS ATHLETIC ASSOCIATION SCHOLARSHIP

The Women's Athletic Association Scholarship of the annual value of $25 has been awarded annually since 1933 to the woman student who, in the judgment of the Committee
HONORS AND AWARDS

is the outstanding leader in athletics and sportsmanship for the year. The scholarship average must be of at least C grade. The award is available only when the student who has been chosen enrolls for the succeeding autumn quarter at the Junior College. In 1938 the scholarship was awarded to Betty Mabry Hawkins.

KiwANIs SCHOLARSHIP FUND

The Kiwanis Scholarship Fund was established in 1924. It is a revolving educational loan fund, administered in the interest of graduates of the College, who desire to continue their education at a senior college or university. In the selection of candidates emphasis is placed upon scholarship, character, and personal need. The following students were designated beneficiaries of the fund in 1938.

George Hathaway  Dole
William Ernest  Guyer
Lawrence C. McClure
Noel W. Wallace

DONALD A. PORTEOUS FUND

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

GEORGE A. LINHART AWARD

Beginning June, 1939 the George A. Linhart award of $25 will be made to the student or students who pass with a grade of A or B the examination in mathematics for admission to California Institute of Technology in junior standing.

GRADUATION

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. English

II. Physical Education (6 quarter units) and Hygiene 1; or Physical Education (6 quarter units) and Hygiene 3; or Military Science (12 quarter units); or Military Science (6 quarter units) and Physical Education (3 quarter units); or Physical Education (6 quarter units) and Physiology 1, 2, or 3.

III. American Institutions and Ideals: a study of the fundamental nature of the American constitutional system and of the ideals on which it is based. This requirement is satisfied by the completion of English 1, winter quarter; or by examination, without unit credit.

IV. A major of at least 30 quarter units in one of the four groups of subjects:

Group 1. Natural science, or mathematics, or mechanical drawing, or any combination of these.

Group 2. English, or foreign language, or fine arts, or any combination of these.

Group 3. Social science, or philosophy, or psychology, or commerce, or any combination of these.

Group 4. Vocational Courses.

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

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 of laboratory work, or for such distribution as the particular course may demand.

45
GRADUATION

With 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>3-5</td>
</tr>
<tr>
<td>Social science</td>
<td>3</td>
</tr>
<tr>
<td>Physical education or Military Science</td>
<td>1-2</td>
</tr>
<tr>
<td>Electives</td>
<td>0-2</td>
</tr>
<tr>
<td><strong>Total (maximum)</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

TRANSFER TO THE UNIVERSITY

IN ADVANCED STANDING

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

Requirements for Admission in Freshman Standing

High school subject requirements:

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

High school grade requirements:

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

Requirements for Admission in Advanced Standing

Sixty semester units of acceptable college work (in addition to 6 quarter terms of military science or physical education) with a scholarship average not less than C (1.00), or 15 semester units with a scholarship average of C plus (1.5).
The junior college student who did not qualify as a high school graduate for admission to the University in freshman standing must remove all entrance deficiencies before his application for admission to the University will be considered.

To remove an entrance deficiency, the student may take a course in junior college in the same field in which he incurred the deficiency. Three semester units of acceptable college work completed with a grade not less than C are equivalent to one year's high school work in the same field. Such units may be used to remove a high school subject deficiency or D grade deficiency incurred in the tenth, eleventh, or twelfth grade; or to lift a non-recommending high school scholarship average of C in a particular field to recommending level.

**HIGH SCHOOL SUBJECTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Junior College Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>Social science: any course</td>
</tr>
<tr>
<td></td>
<td>in economics, history, political science,</td>
</tr>
<tr>
<td></td>
<td>or sociology.</td>
</tr>
<tr>
<td>English</td>
<td>English: English 1 or 10.</td>
</tr>
<tr>
<td>Mathematics: algebra or plane</td>
<td>Mathematics: any course</td>
</tr>
<tr>
<td>geometry</td>
<td>in bacteriology, biology, botany,</td>
</tr>
<tr>
<td>Science (3rd or 4th yr., with</td>
<td>chemistry, physics, physiology, or zoology.</td>
</tr>
<tr>
<td>lab.)</td>
<td></td>
</tr>
<tr>
<td>Foreign language</td>
<td>Foreign language (not necessarily the same language).</td>
</tr>
</tbody>
</table>

Work of college level employed to remove high school grade deficiencies may also be assigned full college credit, but work of college level employed to remove high school subject deficiencies is ordinarily given no credit in advanced standing.

Work taken in high school by junior college students to remove high school subject deficiencies, such as elementary algebra and plane geometry, may be counted for graduation from junior college but not for credit in advanced standing.

**THE JUNIOR CERTIFICATE**

The student who has completed (in addition to the physical education or military science requirement) 90 quarter units of acceptable college work with a general scholarship average not less than C may apply to the University of California for admission to its upper division; and if he has satisfied the lower division requirements of the particular college which he wishes to enter he will be awarded the Junior Certificate with full junior standing. Since, however, the lower division requirements of the various colleges of the University differ greatly, the student should plan his high school and junior college course with the specific requirements of the college which he wishes to enter always in view. In particular, he should provide himself with a catalog of the college for which he is preparing and should confer with the faculty adviser to whom he is assigned.

The **College of Letters and Science** is the main artery of the University. Its curricula are designed to acquaint the student with the elements that are essential in a liberal education: breadth of culture, a basic knowledge of some one field of human endeavor, and personal initiative and leadership. Those who are seeking a cultural education, or who wish to prepare themselves for a professional career in architecture, dentistry, law, medicine, journalism, social service, or teaching should qualify for admission to this college of the University. Of the 120 units required for the Bachelor of Arts degree 60 units constitute the requirement for the Junior Certificate.
The College of Commerce at Berkeley and the College of Business Administration at Los Angeles offer undergraduate curricula designed to give a well-balanced introduction of professional careers in business. It is the opinion of the University that the junior college student should take the fundamental cultural courses constituting the requirements for the Junior Certificate before undertaking the more specialized and professional studies reserved for the upper division in accounting, banking and finance, marketing, management, and industry. The completion of 120 units leads to the Bachelor of Science degree, of which 60 (exclusive of physical education or military science) are required for the Junior Certificate.

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

The College of Agriculture at Berkeley offers curricula in Plant Science; Animal Science; Entomology and Parasitology; Agricultural Economics; Forestry; Soil Science; Home Economics; Landscape Design; Agricultural Education. Of the 124 semester units required for the Bachelor of Science degree 60 units, exclusive of physical education or military science, constitute the requirement for full junior standing.

The College of Agriculture at Los Angeles offers the Plant Science curriculum and the major in Subtropical Horticulture leading to the Bachelor of Science degree, and graduate work in this field leading to the degree of Master of Science.

For the lower division requirements in the Colleges of Agriculture the student is referred to the special bulletins of the University and to Dr. Paul Fisher of the Junior College Agriculture and Botany departments as faculty adviser.

The College of Engineering offers three curricula: Civil Engineering; Electrical Engineering; Mechanical Engineering. Each of these is a four-year curriculum leading to the degree of Bachelor of Science on the completion of 136-140 units. In the opinion of the University the students should enter the College of Engineering not later than the beginning of the sophomore year.

For the lower division requirements in the College of Engineering the student is referred to the special bulletins of the University and to Mr. Howard H. Bliss and Mr. Archie J. Twogood of the Junior College Physics and Engineering departments as faculty advisers.

JUNIOR CERTIFICATE REQUIREMENTS

College of Letters and Science, Berkeley, and Los Angeles

(a) Subject A. This requirement is satisfied by the completion of English 1 with a grade not less than C. Military Science or Physical Education, 4 semesters (6 quarters). Sixty semester (90 quarter) units of acceptable college work, in addition to Military Science or Physical Education, with a grade point average not less than C.

(b) Foreign language. At least 15 semester (22½ quarter) units in not more than two foreign languages. Each year of foreign language satisfactorily completed in high school is counted as 3 semester (4½ quarter) units.

(c) Mathematics: elementary algebra and plane geometry.

(d) Natural science: at least 12 semester (18 quarter) units chosen from the following list and including at least one course marked with an asterisk: high school chemistry*, 3 semester (4½ quarter) units; high school physics*, 3 semester (4½ quarter) units; Astronomy 1, Bacteriology 1*, 2, Biology 1A-1B*, Botany 1*, Chemistry 1-2*, 3*, 18-11*, 15, Geology 1, Physics 1*, 2*, 10*, Physiology 1*, 2, 3*, Zoology 1*.
(e) A year course of at least 6 semester (9 quarter) units in each of three of the following groups:

1. **English 1, 12.**
2. **Foreign language (additional to b).** High school Latin is accepted in satisfaction of this requirement by the University of California at Berkeley but not by the University of California at Los Angeles.
3. **Mathematics:** high school trigonometry, 2 semester (3 quarter) units; Mathematics 2D, 3A, 3B.
4. **Social science:** Economics 1; Geography 1; History 4, 8; Political Science 1; Psychology 1; Sociology 1.
5. **Philosophy:** Philosophy 1, 10.

*Courses marked with an asterisk meet the laboratory requirement.*

**Pre-Architectural Curriculum (approximates University curriculum)**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1</td>
<td>Art 2abc, 7, 13</td>
</tr>
<tr>
<td>French 1</td>
<td>Engineering 11, 12</td>
</tr>
<tr>
<td>Mathematics 2D, 3A</td>
<td>French 2</td>
</tr>
<tr>
<td>Physics 1</td>
<td>Mathematics 3B, 4A</td>
</tr>
<tr>
<td>Physical Education or Physical Education and hygiene requirement</td>
<td>Elective to complete lower division requirements</td>
</tr>
<tr>
<td>Military Science</td>
<td></td>
</tr>
</tbody>
</table>

**Pre-Dental Curriculum**

This curriculum assumes the completion of the following subjects in the high school: English, 3 units; history, 1 unit; mathematics (elementary algebra, plane geometry, and trigonometry), 3 units; chemistry, 1 unit; physics, 1 unit; foreign language, 3 (or, better, 4) units.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
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</thead>
<tbody>
<tr>
<td>Chemistry 1</td>
<td>Chemistry 13</td>
</tr>
<tr>
<td>English 1</td>
<td>Physical Education and hygiene requirement</td>
</tr>
<tr>
<td>Foreign language (preferably the one begun in high school)</td>
<td>Physics 2</td>
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<tr>
<td>Elective to complete lower division requirements</td>
<td>Electives to complete lower division requirements</td>
</tr>
<tr>
<td>Physical Education or Military Science</td>
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**Pre-Legal Curriculum (suggested, not prescribed)**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1</td>
<td>Economics 1</td>
</tr>
<tr>
<td>Latin AB, if not taken in high school; otherwise, French 1 or German 1</td>
<td>English 10</td>
</tr>
<tr>
<td>History 4 or Political Science</td>
<td>History 8, or Psychology 1, or both</td>
</tr>
<tr>
<td>Philosophy 1</td>
<td>Philosophy 10</td>
</tr>
<tr>
<td>Physical Education or Military Science</td>
<td>Physical Education or Military Science</td>
</tr>
<tr>
<td>Elective to complete lower division requirements</td>
<td>Hygiene requirement</td>
</tr>
</tbody>
</table>

**Pre-Medical Curriculum**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1</td>
<td>Physical Education or Military Science</td>
</tr>
<tr>
<td>English 1</td>
<td>Physics 2</td>
</tr>
<tr>
<td>Foreign language (French or German preferred)</td>
<td>Zoology 1</td>
</tr>
<tr>
<td>Physical Education or Military Science</td>
<td>Hygiene requirement</td>
</tr>
<tr>
<td>Elective necessary to complete lower division requirements</td>
<td>Electives necessary to complete lower division requirements</td>
</tr>
</tbody>
</table>

**Teachers College, U. C. L. A.**

The Teachers College at the University of California, Los Angeles, will be discontinued at the close of the present academic year in June, 1939. In its stead there will be established a College of Applied Arts and School of Education.

The requirements of the newly authorized School and College have not yet been announced. If these are available for publication prior to the opening of the Junior College autumn quarter, they will appear in the Supplementary Bulletin which will be published by the College in September.

Candidates for a teaching credential in the secondary
schools who have already satisfied, in part, the requirements for the Junior Certificate in the Teachers College will suffer no loss in transferring to the School of Education.

At the present time the requirements in the Teachers College and in the College of Letters and Science are designed to make interchange of College comparatively easy, and it is unlikely that under the new order any radical changes will be made. First year students, however, who are interested in qualifying for the teaching credential at the University of California at Los Angeles should await the official announcement of the University.

**COLLEGE OF COMMERCE, BERKELEY**

1. **Subject A.** This requirement is satisfied by the completion of English 1 with a grade not less than C. Physical Education or Military Science, 4 semesters (6 quarters).
2. **Foreign language.** Twelve semester (18 quarter) units in one language. Each year of foreign language satisfactorily completed in high school is counted as 3 semester (4½ quarter) units.
3. **Mathematics:** elementary algebra; plane geometry; Mathematics 2.
4. **Natural science:** nine semester (13½ quarter) units chosen from the following list: high school chemistry, 3 semester (4½ quarter) units; high school physics, 3 semester (4½ quarter) units; Astronomy 1; Botany 1; Chemistry 1-2, 3, 10-11, 13; Geology 1; Mathematics 1-2, 10; Physiology 1, 2, 3; Zoology 1.
5. **English 1.**
6. **History 4 or 8, or Political Science 1.**
7. **Geography 3.**
8. **Economics 1.**

Electives necessary to bring the total number of units to 60, in addition to the physical education requirement, with a general grade point average not less than C.

**TRANSFER TO THE UNIVERSITY 55**

**COLLEGE OF BUSINESS ADMINISTRATION, LOS ANGELES**

1. **Subject A.** This requirement is satisfied by the completion of English 1 with a grade not less than C. Physical Education or Military Science, 4 semesters (6 quarters).
2. **Either:**
   - Foreign language. At least 16 semester (24 quarter) units in one foreign language. Each year of high school work in this language, not duplicated by college courses taken by the student, will count as 3 units in satisfaction of this requirement.
   - Natural science. At least 14 semester (21 quarter) units chosen from the following list, including not less than 4 units of college courses with laboratory work. Courses marked with an asterisk meet the laboratory requirement.
   
   | High school chemistry | Biology 1B* |
   | High school physics   | Chemistry 3* |
   | Astronomy 1           | Physics 2*  |
   | Biology 1A*           |             |

3. **Social science.** At least 6 semester (6 quarter) units chosen from the following list: History 4, History 8, Psychology 1.
4. **Required courses.**
   - Accounting
   - Economics 1
   - English 1
   - English 12

Electives sufficient to bring the total number of units to 64, with a general grade point average not less than C.

**PREPARATION FOR THE MAJOR, UPPER DIVISION**

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

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

COPY OF RECORD

One copy of record is furnished free to the 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

WITH TIME SCHEDULE

GENERAL INFORMATION

Except in a few cases, which are noted, all of the courses given by the Junior College 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. Courses marked with an asterisk (*) are not open to first year students.

Most of the courses given in the Junior College are continuing courses and should be taken for the full year. Courses open to new registrants at the beginning of the winter quarter (January 2, 1940) are listed on page 34; those open at mid-year (February 12, 1940) on page 34; those open at the beginning of the spring quarter (April 1, 1940) on page 35.

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

REGULAR SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st period</td>
<td>8:05-9:00</td>
<td>8:00-8:50</td>
<td></td>
<td>8:30-9:20</td>
<td>8:25-9:20</td>
</tr>
<tr>
<td>2nd period</td>
<td>9:05-10:00</td>
<td>8:55-9:45</td>
<td></td>
<td>9:05-10:00</td>
<td>9:00-9:45</td>
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<td>10:15-11:05</td>
<td>10:10-11:05</td>
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<tr>
<td>4th period</td>
<td>11:05-12:00</td>
<td>10:45-11:35</td>
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<td>11:25-12:15</td>
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<tr>
<td>5th period</td>
<td>11:40-12:30</td>
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<td></td>
<td>12:40-13:30</td>
<td></td>
</tr>
<tr>
<td>Laboratory</td>
<td>12:35-3:30</td>
<td>1:05-4:00</td>
<td></td>
<td>1:30-4:30</td>
<td></td>
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</tbody>
</table>

WEDNESDAY SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st period</td>
<td>8:05-9:00</td>
<td>8:00-8:50</td>
<td></td>
<td>8:30-9:20</td>
<td>8:25-9:20</td>
</tr>
<tr>
<td>2nd period</td>
<td>9:05-10:00</td>
<td>8:55-9:45</td>
<td></td>
<td>9:05-10:00</td>
<td>9:00-9:45</td>
</tr>
<tr>
<td>3rd period</td>
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<td>12:40-13:30</td>
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</tr>
<tr>
<td>Laboratory</td>
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<td>1:05-4:00</td>
<td></td>
<td>1:30-4:30</td>
<td></td>
</tr>
</tbody>
</table>

Rooms, which are indicated in parentheses, are located as follows:

Quadrangle: First floor 100 to 120, and Auditorium
Second floor 200-220
Basement 29-34
Household Arts and Science Building 500
Lovekin Hall 4689 Olivewood Avenue
AESTHETICS

Nature Appreciation
A course designed to heighten the enjoyment and appreciation of natural beauty. Study of landscape, clouds, storms, the sea, the stars; reading of nature writers; exercises in analysis, description, and photography of interesting places in the vicinity of Riverside. Discussion of methods of living in the open, vacation trips, and mountaineering. Prerequisite: two years of high school English with recommending grades. Two hours weekly. Not offered in 1939-1940.
T T 9 (105)
Two units, each quarter.

ART

Preparation for the Major: Art 2abc, 3abc, 18abc, 19abc.

2abc. Form
Fundamental to all advanced work in art. Required for the curriculum in architecture.
a. Sculpture and graphic form; problems in ceramic design; carving.
b. Perspective; line and proportion.
c. Graphic composition; study of the figure.
M W F 1:00-3:00 (Art Center)
Two units, each quarter.

3abc. Color and Design
Fundamentals of plastic and decorative design, especially as related to textiles, ceramics, architecture, commerce, and the stage. Prerequisite: Art 2abc or its equivalent.
a. Color theory and application in various media.
b. The part of color in design.
c. Problems in color and design.
M W F 12:30-2:30 (Art Center)
Two units, each quarter.

7. Figure Drawing and Anatomy
Lectures and intensive work from the model.
Tu 7:30 p.m. (Art Center)
One unit, each quarter.

AGRICULTURE

The course in Agriculture is a three-year curriculum designed to qualify students for the State Department of Agriculture examinations for agricultural inspectors. The first two years are offered at the Junior College, the third at the Voorhis Unit, California Polytechnic School, San Dimas, California.

1. Agricultural Inspection
The practical application of the plant quarantine laws; diseases of the vegetable, citrus, and deciduous fruit crops of California. Two lectures and one laboratory period weekly, and frequent field excursions for inspection practice.
Lectures: T T 10 (109); laboratory and field work: M (109); excursions to be arranged.
Three units, each quarter.

*10. Advanced Agricultural Inspection
Agricultural code; standardization laws; rodent control; weed control. Prerequisite: Agricultural Inspection I.
T T 1:30 (109)
Two units, each quarter.

ANATOMY

Physiology 3 (See page 91)

ART

Preparation for the Major: Art 2abc, 3abc, 18abc, 19abc.

2abc. Form
Fundamental to all advanced work in art. Required for the curriculum in architecture.
a. Sculpture and graphic form; problems in ceramic design; carving.
b. Perspective; line and proportion.
c. Graphic composition; study of the figure.
M W F 1:00-3:00 (Art Center)
Two units, each quarter.

3abc. Color and Design
Fundamentals of plastic and decorative design, especially as related to textiles, ceramics, architecture, commerce, and the stage. Prerequisite: Art 2abc or its equivalent.
a. Color theory and application in various media.
b. The part of color in design.
c. Problems in color and design.
M W F 12:30-2:30 (Art Center)
Two units, each quarter.

7. Figure Drawing and Anatomy
Lectures and intensive work from the model.
Tu 7:30 p.m. (Art Center)
One unit, each quarter.

13. Pen and Ink
Technique and rendering of textures as applied to architectural and general subjects. First 18 weeks (September 25-February 9).
T T 9-12 (Art Center)
Two units, autumn quarter; one unit, winter quarter.

14. Rendering in Water Color
Second 18 weeks (February 12-June 19).
T T 9-12 (Art Center)
One unit, winter quarter; two units, spring quarter.
18abc. Appreciation of Art
Principles which underlie the theory and practice of the various arts. Required of the art major at the University of California.
a. The field of the arts
b. The creative process
c. Problems of the arts today
T T 8 (220)  Two units, each quarter.

18abc. History of Art
Painting, architecture, sculpture, and minor arts. A lecture course, illustrated with slides in full color. Reading assignments.
a. Prehistoric, ancient, and medieval period.
b. Renaissance and baroque periods.
c. The modern period.
M W F 8 (220)  Three units, each quarter.

20. Landscape
Picture composition in any medium. Prerequisite: Art 3abc, or approval of instructor.
Th 1-4 (Art Center)  One or two units, each quarter.

22. Advanced Problems in Art
Open to the superior student who wishes to continue in a special field. Instructor's approval required.
T T 9-12 (Art Center)  Two units, each quarter.

49. Commercial Art
Essentials of layout and design. Class work directed to the practical problems of art for the Tequesquite and Student Varieties. Prerequisite recommended: Art 2abc.
M W F 1-3 (Art Center)  Three units, each quarter.

Note: The art courses offered in the Extension Division of the College are also open to students enrolled in the regular division and are given full credit. See page 101.

COURSES OF INSTRUCTION

ASTRONOMY

1. Elements of Astronomy
Bliss
General facts and principles of the science of astronomy, relating primarily to the solar system. Two lectures weekly, occasionally illustrated with lantern slides. A few evenings of observation with the telescope. No knowledge of mathematics is required.
T T 10 (105)  Two units, each quarter.

BACTERIOLOGY

Preparation for the Major. Required: Bacteriology 1; Botany 1; Chemistry 1-2; Physics 2; Zoology 1; French or German. Recommended: Chemistry 19, 11, 15, 14; Physiology 1; Economics 1; Hygiene 3.

1. General Bacteriology
DuBeau
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.
Lectures: T T 10 (108); laboratory: section 1, T T (111); section 2, W F (111).
Four units, each quarter.

2. General Bacteriology
DuBeau
A shorter course than Bacteriology 1. Meets the requirements for Agriculture and Nurses' Training. Three lectures and two laboratory periods weekly. Second 18 weeks (February 13-June 14).
Lectures: M W F 10 (111); laboratory: M and any one of the following days: T W T F (111).
Two and one-half units, winter quarter; five units, spring quarter.

10. Advanced Bacteriology
DuBeau
Prerequisite: Bacteriology 1, autumn and winter quarters.
Hours to be arranged (111)
Three units, spring quarter.
COURSES OF INSTRUCTION

BIOLOGY

1A-1B. General Biology
FISHER, 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.

1A. Plant Biology
FISHER
First 18 weeks (September 25-February 9).
Lectures: T T 9 (109); laboratory: W (109).
Three units, autumn quarter; one and one-half units, winter quarter.

1B. Animal Biology
JAEGER
The course is completed in 18 weeks, and may be taken either half of the year (September 25-February 9 or February 12-June 19).
Lectures: T T 9 (206); laboratory: F (207).
Three units, autumn quarter; one and one-half units, winter quarter; or one and one-half units, winter quarter and three units, spring quarter.

2. Natural History of Southern California
JAEGER
A brief survey of the native animals and plants, together with a consideration of the geological and physiographical background. Of special value to students preparing for teaching or biological field work. Lectures, readings, special reports, and field work. The course is completed in 18 weeks, and may be taken either half of the year (September 25-February 9 or February 12-June 19).
T T 11 (207)
Two units, autumn quarter and one unit, winter quarter; or one unit, winter quarter and two units, spring quarter.

BOTANY

Preparation for the Major, U. C. (Berkeley). Required: Botany 1, 13; Chemistry 1–2, 13. Recommended: French, German, and elementary courses in other biological sciences.

Preparation for the Major, U. C. L. A. Required: Botany 1, 19; Chemistry 1–2, or 3; German 1. Certain phases of botanical work require Geology 1, Physics 2, Bacteriology 1, Zoology 1.

1. General Botany
FISHER
The morphology and physiology of the seed plants; the habitat, structure, and reproduction of algae, fungi, liverworts, mosses and ferns; and the taxonomic, genetic, and ecological relationships of the seed plants. Three lectures and two laboratory periods weekly.
Lectures: M W F 8 (108); laboratory: T T (109).
Five units, each quarter.

2. Elements of Forestry
FISHER
A lecture course in the general principles of forestry, considering the developmental history of the forest, and its recreational and economic relationships. Second 18 weeks (February 12-June 19).
M W F 9 (109)
One and one-half units, winter quarter; three units, spring quarter.

*10. Elements of Plant Physiology
FISHER
Plant activities, including absorption and translocation of materials, carbon assimilation, growth, and reproduction. One lecture and two laboratory periods weekly. Prerequisite: Botany 1 and Chemistry 1. First 18 weeks (September 25-February 9).
Hours to be arranged (109)
Three units, autumn quarter; one and one-half units, winter quarter.

*11. Classification of Flowering Plants
COOPER
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 or Biology 1A.
Hours to be arranged (109)
Two or three units, each quarter.

*12. Microtechnique
COOPER
The preparation of biological material for microscopic study, including methods of fixing, embedding, sectioning, and staining. Two laboratory periods weekly. Prerequisite: Botany 1 or Zoology 1.
Hours to be arranged (109)
Two units, each quarter.

*13. Comparative Morphology
COOPER, FISHER
Comparative morphology, gross anatomy, and life cycles of representative species of the thallophyta, bryophyta, pteridophyta, and
spermatophyta. One lecture and two laboratory periods weekly.
Prerequisite: Botany 1.
Hours to be arranged (109)
Three units, each quarter.

CHEMISTRY

Preparation for the Major. Recommended: Chemistry 1-2, and one or more of 10, 11, 13, 14; Physics 1, 10; Mathematics 2D, 3A, 3B, 4A, 4B, 4C; and a reading knowledge of German. This work may be completed, in part, in the upper division.

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

Lectures: M W F 10 (205); laboratory: section 1, M W (202); section 2, T T (202).

Five units, autumn quarter.

Three units, winter and spring quarters.

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

Laboratory: section 1, M W (202); section 2, T T (202).

Two units, winter and spring quarters.

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

Lectures: M W F 9 (205); laboratory: W or F 12:30-3:30 (202).

Four units, each quarter.

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

Lectures: T T 9 (205)

Two units, autumn and winter quarters.

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

Laboratory: M W F (204)

Three units, autumn and winter quarters.

*12. Advanced Quantitative Analysis
Special methods of quantitative analysis designed to give the student an opportunity to take up advanced work. One lecture and two laboratory periods weekly, spring quarter. Prerequisite: Chemistry 10 and 11.

Lecture: Tu 9 (205); laboratory: M W (204).

Three units, spring quarter.

*13. Organic Chemistry
The compounds of carbon. Two lecture periods weekly, each quarter.

Prerequisite: Chemistry 1 and 2.

Lectures: T T 11 (205)

Two units, each quarter.

To be taken either in conjunction with, or to follow, Chemistry 13.

The preparation, properties, and reactions of typical organic compounds. One or two laboratory periods weekly, each quarter.

Laboratory: one unit, Tu or Th (203); two units, T T (203).

One or two units, each quarter.

COMMERCE

Lower Division Requirements. See pages 54, 55.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
<th>Description</th>
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<tbody>
<tr>
<td>Business Administration</td>
<td>Fullenwider</td>
<td>An analysis of the various forms of business organization with special attention to the corporation. Studies of management, wages, purchasing, selling, traffic, credit, banking, and accounting. Lectures by representative business men. First 18 weeks (September 25-February 9).</td>
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<td></td>
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<td>Three units, autumn quarter; one and one-half units, winter quarter.</td>
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<tr>
<td>Marketing</td>
<td>Fullenwider</td>
<td>Distribution, marketing functions, wastes and inefficiencies; types of distributors; cooperative marketing groups in California. Second 18 weeks (February 12-June 19).</td>
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<td>One and one-half units, winter quarter; three units, spring quarter.</td>
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<tr>
<td>Commercial Law</td>
<td>Fullenwider</td>
<td>The principles of law which are essential to business men: contracts, agency, partnerships, corporations, negotiable instruments, bailments, suretyship, and bankruptcy. Special emphasis is placed on real estate law, including mortgages, trust deeds, and leases.</td>
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<td>Three units, each quarter.</td>
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<tr>
<td>Retail Merchandising</td>
<td>Fullenwider</td>
<td>Details of organization profits and expenses; stock control; policies in retail advertising, merchandising, and selling. First 18 weeks (September 25-February 9).</td>
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<td>Two units, autumn quarter; one unit, winter quarter.</td>
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<tr>
<td>Advertising</td>
<td>Fullenwider</td>
<td>Fundamental principles of advertising, problems of space, type, engraving, copy, media, practice in writing copy. Second 18 weeks (February 12-June 19).</td>
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<td>One unit, winter quarter; two units, spring quarter.</td>
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<tr>
<td>Banking</td>
<td>Fullenwider</td>
<td>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.</td>
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<td>Two units, each quarter.</td>
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<tr>
<td>Stenography and Typewriting</td>
<td></td>
<td>Stenography and typewriting are given in the afternoon classes at the High School and in the Evening High School. Units received for work completed in such courses will be counted in partial satisfaction of the requirements for the Associate of Arts title, but the evaluation of units in transfer will be left to the institution to which transfer is made.</td>
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<td>Students wishing to enroll in stenography and typewriting should confer with the Registrar.</td>
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<td>Hours to be arranged (222)</td>
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<td>One or two units, each quarter.</td>
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**ECONOMICS**

Preparation for the Major. Required: Economics 1, 40. Recommended: at least a year course in history or political science.

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

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<tr>
<td></td>
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<td>M W F 8 (209)</td>
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<td>Three units, each quarter.</td>
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</tbody>
</table>
2. Economic Principles and Problems

A more elementary course than Economics I, with greater relative emphasis upon economic institutions and current economic problems. Open to all students. The course is completed in 18 weeks and may be taken in either half year. Not offered in 1939-1940.

M W F 11 (209)
Three units, autumn quarter, and one and one-half units, winter quarter; or one and one-half units, winter quarter, and three units, spring quarter.

*40. Elementary Statistics

Modern methods of analyzing statistical data, their gathering and classification, with emphasis on analysis and presentation. Economic material is used as the basis of illustrative problems. The mathematical treatment is reduced to the simplest possible terms. One lecture and two two-hour laboratory periods weekly. Second 18 weeks (February 12-June 19). Prerequisite: Mathematics 1C or 1D. Students who intend to make economics their major, and students in the College of Commerce must complete this course in the sophomore year.

Lecture: T 9 (210); laboratory: M W 2--4 (210).
One and one-half units, winter quarter; three units, spring quarter.

ENGINEERING

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

1. Plane Surveying

Principles; field practice; calculations and mapping. Two one-hour class discussions and one three-hour period of field or mapping weekly. Prerequisite: plane trigonometry. One extra unit of intensive field work may be taken at the student's option, credit for which will be allowed toward graduation but not for transfer.

Class discussions: T T 10 (103); field or mapping: Tu or Th.
Three units, each quarter.

2. Engineering Drawing

Practice in lettering and in the use of drawing instruments. Fundamentals of projection drawing as used by the engineer in the design of machines. Limited to students taking engineering courses. Instructor's approval necessary before registering.

T T 12-45-3:45 (321)
Two or three units, each quarter.

*11. Materials and Production

Materials used in engineering practice, manufacturing processes, use of tools and measuring instruments, heat treatment of metals. Prerequisite: Physics 1.

Class discussions: T T 9 (103); laboratory: F (103).
Three units, autumn quarter.

*12. Descriptive Geometry

The art of completely describing an object by the simultaneous consideration of two or more of its views. Direct application to engineering problems. Two class discussions and three laboratory periods weekly. Prerequisite: mechanical drawing and a working knowledge of analytic geometry.

Class discussions: T T 9 (103); laboratory: M W F (103).
Five units, winter quarter.


Line drawing of simple machine parts, hand sketches, and working drawings. A study of mechanisms, including cams and gears. Prerequisite: one year of senior high school mechanical drawing, or Engineering 2; Physics 1.

Class discussions: T T 9 (103); laboratory: M W F (103).
Five units, spring quarter.

ENGLISH

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

1. Composition  
**Allison, Anderson, Patton, Scott**
The chief forms of composition, oral and written, with outside reading and written reports. Theme writing and individual conferences.

All classes meet M W F in the rooms assigned.

- Sect. 1 (A-K) Anderson 8 (113) Sect. 6 (R-Z) Scott 9 (112)
- Sect. 2 (L-Z) Patton 8 (120) Sect. 7 (A-K) Allison 10 (196)
- Sect. 3 (A-D) Allison 9 (108) Sect. 8 (L-Z) Scott 10 (196)
- Sect. 4 (E-K) Anderson 9 (113) Sect. 9 (A-K) Allison 11 (113)
- Sect. 5 (L-Q) Patton 9 (206) Sect. 10 (L-Z) Patton 11 (112)

Three units, each quarter.

3. Practical News Reporting  
**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 city 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.

Section 1: T T 9 (113); section 2: T T 10 (112).

Two units, each quarter.

8. Voice and Diction  
**Scott**
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.

Section 1: T T 9 (112); section 2: T T 10 (112).

Two units, each quarter.

9. Dramatic Art  
**Allison**
Drama appreciation through a study of the principles of dramatic art. Readings in classical and modern drama from the point of view of production. Consideration of the problems of lighting, setting, make-up, and other phases of stage-craft. Lectures, oral and written reports, laboratory, rehearsals. Class limited to fifteen women and ten men. Prerequisite: English 1; or may be taken in conjunction with English 1.

Lectures: T T 10 (Auditorium); rehearsals and workshop: hours to be arranged (Auditorium).

Three 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.

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

M W F 10 (113)

Three units, each 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.

M 3:30 and T T 10 (113)

Three units, each quarter.

12. Public Speaking  
**Scott**
The study of the general principles of voice and diction; the acquiring of correct posture, gesture, and platform manner; and the development of the particular speech skill of each student. Throughout the year attention is given to the preparation of speeches for delivery in class and in public. The course is a second-year subject, but is also open to qualified first-year students who are specializing in public speaking. Students who enroll for debating and fulfill the requirements will receive four units of credit instead of three.

M W F 8 (112)

Three units, each quarter.
COURSES OF INSTRUCTION

*13. Advanced News Reporting
Open to a limited number of staff members who plan to continue affiliation with the College publications. Occasional meetings and conferences. Prerequisite: English 3.
Tu 2:30 (113)
One unit, each quarter.

*19. Advanced Dramatic Art
A continuation of English 9. Prerequisite: English 1.
Lectures: T T 11 (Auditorium); rehearsals and workshop:
hours to be arranged (Auditorium).
Three, four, or five units, each quarter.

FRENCH

Preparation for the Major. French 1, 2, 3, 10. History 4, Philosophy 10, and Latin are strongly recommended.

1. Elementary French
RICHARDS
Accurate pronunciation and the essentials of grammar. Three easy French texts are read, which form the basis for careful translation, conversation, and composition work.
Section 1: M T W T F 8 (102); section 2: M T W T F 11 (102).
Five units, each quarter.

2. Intermediate French
RICHARDS
Further study of grammar, especially syntax; reading and discussion in French of the works of outstanding French novelists, poets, and dramatists. An effort is made to correlate the study of French with the general history of European civilization. Students are advised to take French 3 also. Prerequisite: French 1 or its equivalent.
M W F 9 (102)
Three units, each quarter.

3. Second-Year French: Composition and Conversation
RICHARDS
Oral drill in the use of French; study of the more difficult points of grammar; class discussion of translations from English into French; writing of original themes in French. Prerequisite: French 1 or its equivalent.
T T 9 (102)
Two units, each quarter.

10. Advanced French
RICHARDS
French novels and dramas of the seventeenth, eighteenth, and nineteenth centuries. Outside reading and written reports in French. Prerequisite: French 2 or its equivalent.
Hours to be arranged (102)
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 should take this course concurrently with French 10. Hours to be arranged (102)
Two units, each quarter.

GEOPHYSICS

3. Economic Geography
WOLFE
A world survey of the interrelationship of man in his economic activities and the factor of his natural environment. Two lectures and one additional period weekly.
Lectures: T T 11 (206); map work: M or W (108).
Three units, each quarter.

GEOLOGICAL SCIENCES

GEOLOGY

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

1. General Geology
EGGLESTON
Physical, chemical, and historical geology. Three lectures and one laboratory period or one field trip weekly. Two or three Saturdays in the spring quarter are required for all day excursions. Class limit: 30. Second-year students given priority.
Lectures: M W F 10 (25); laboratory: Tu (20).
Four units, each quarter.
COURSES OF INSTRUCTION

2. Advanced Geology
EGGLESTON
Further work in field geology, paleontology, petrography, or mineralogy. Prerequisite: Geology 1, Mineralogy 1, or enrollment in either. Hours to be arranged (22)
One to four units, each quarter.

MINERALOGY

1. Introductory Mineralogy
EGGLESTON
Elementary crystallography, blowpipe analysis, and determinative mineralogy. Three lectures and one laboratory period weekly. Three or more afternoon collecting trips in the spring quarter. Class limit: 24.
Lectures: M W F 8 (25); laboratory: Th (25).
Four units, each quarter.

GERMAN

1. Elementary German
BEATIE
M T W T F 8 (100)
Five units, each quarter.

2. Intermediate German: Reading
BEATIE
Emphasis continued on comprehension instead of translation. Continued vocabulary drill. Reading of approximately 650 pages in class, and of 1,000 pages of simple prose collaterally. May be taken with German 3. Prerequisite: German 1 or equivalent.
M W F 9 (100)
Three units, each quarter.

3. Intermediate German: Grammar and Composition
BEATIE
Review of first year grammar, with some free composition and conversation. Composition and conversation based upon dictated material. May be taken with German 2. Prerequisite: German 1 or equivalent.
T T 9 (100)
Two units, each quarter.

4. Scientific German
BEATIE
Recommended to students who expect to major in some field of science. General scientific word building and analysis (autumn and winter quarters); the reading of a book or journal in the field of the student's special interest (spring quarter). Prerequisite: German 1 or its equivalent.
T T 11 (100)
Two units, each quarter.

10. Advanced German Reading
BEATIE
German novels and dramas of the eighteenth and nineteenth centuries. Directed outside reading and reports. Prerequisite: German 2 or its equivalent.
Hours to be arranged (100)
Two units, each quarter.

GREEK

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.
M T W T F 10, or hours to be arranged (101)
Five units, each quarter.

2. 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 (autumn quarter).
b. Architecture; sculpture; painting; music (winter quarter).
c. Literature; philosophy; science (spring quarter).
M W F 9 (101)
Three units, each quarter.
10. **Plato and Homer**

   Plato: the Apology and selections from other dialogues. Homer: Iliad or Odyssey (selected books). Prerequisite: Greek 1.
   
   Hours to be arranged (101)
   Three units, each quarter.

11. **Advanced Composition**

   Systematic review of Greek syntax. Prerequisite: Greek 1.
   
   Hours to be arranged (101)
   One unit, each quarter.

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**HISTORY**


2. **Greek Culture** (See Greek 2, page 75)

4. **History of Modern Europe**

   The political, social, and economic development of modern Europe, with particular reference to the rise of the nationalities and the establishment of colonies.
   a. The period from 1500 to 1789 (autumn quarter)
   b. The period from 1789 to 1870 (winter quarter)
   c. The period from 1870 to the present day (spring quarter)
   
   Section 1: M W F 8 (208); section 2: M W F 11 (208).
   Three units, each quarter.

6abc. **Spanish and Spanish-American Civilization**

   a. Ancient and medieval Spain. The development of the country from early times to the beginning of the Renaissance. The contribution of geographical and racial elements to the evolution of ideas, institutions, art, and customs.
   c. The period from the end of the Renaissance to the present: Spanish influences in America. The history, life, and culture of the Spanish-American countries. Intercultural relations with the United States and influence in early California history.
   
   T T 9 (120)
   Two units, each quarter.

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**8. History of the Americas**

   McDermont

   The European background of American civilization, the colonial establishments, colonial rivalries of European states, the founding of the American nations, the occupation of the continents, the international relations of the western nations, and, more particularly, the history of California. Open to first year students, with approval of instructor.
   a. The period of European colonial establishment in America (autumn quarter).
   b. The period of independence movements and nation building (winter quarter).
   c. The current period of industrialization, expansion, and international problems (spring quarter).
   
   M W F 9 (208)
   Three units, each quarter.

9. **History of Printing**

   Moore

   The graphic presentation of language from the earliest times to modern typography. For students interested in journalism, English, library work, and vocational printing. Lectures, class discussions, and outside reading. The course is completed in one quarter. One hour weekly.
   
   Th 10 (Print Shop)
   One unit, autumn or winter quarter.

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**HOUSEHOLD ART**

2. **Clothing Construction and Selection**

   Moore

   A practical course in the construction of garments and the selection of materials, styles, and colors, with consideration of individual needs.
   
   Lectures: M W 8 (500); laboratory: T T (500).
   Four units, each quarter.

3. **Clothing Selection**

   Moore

   Same as Household Art 2, without laboratory.
   
   M W 8 (500)
   Two units, each quarter.
4. Income Management
The value of money and the responsibilities connected with its possession. Personal and household accounts. Budgeting the personal and family income.
MWF 9 (500)
Three units, winter quarter.

HOUSEHOLD SCIENCE

2. Elements of Nutrition and Food Preparation
The principles of nutrition and their application in normal and special conditions of growth and physical development. The planning and preparation of a dietary to meet individual nutritional needs, with consideration of the expenditure of time and money.
Lectures: TT 8 (500); laboratory: MWF (500).
Four units, each quarter.

3. Elements of Nutrition
Same as Household Science 2, without laboratory.
TT 8 (500)
Two units, each quarter.

HYGIENE

1. General Hygiene
An elementary study of the human body, its activity, and its environment in relation to health. Fulfills the requirement in hygiene for the title of Associate of Arts. The course is completed in 18 weeks, and may be taken either half of the year (September 25-February 9, or February 12-June 19). It satisfies the requirement in hygiene for the title of Associate of Arts.
Section 1: TT 9 (108); section 2: MWF 10 (209).
Two units, autumn quarter and one unit, winter quarter; or one unit, winter quarter and two units, spring quarter.

3. Epidemiology
A study of the principal preventable diseases, based on the history, prevalence, etiology, source, and modes of infection; and methods of control and prevention. The year course fulfills the requirement in hygiene for the title of Associate of Arts. Section limit: 50.

ITALIAN

1. Elementary Italian
MWF 10 (102)
Three units, each quarter.

2. Intermediate Italian
Further study of grammar; composition and conversation; reading of modern prose, drama, and verse, with oral and written exercises based thereon. Prerequisite: Italian 1 or its equivalent.
Hours to be arranged (102)
Three units, each quarter.

LATIN

Preparation for the Major. Required: four years of high school Latin or Latin AB and CD; Latin 2, 3. Recommended: Greek 1.

AB. Elementary Latin and Caesar
An introductory study, equivalent to the first two years of high school Latin.
MTWF 8 (101)
Five units, each quarter.
CD. Cicer and Virgil
Selected orations of Cicero, and Aeneid of Vergil. Prerequisite: two years of high school Latin, or Latin AB.
Hours to be arranged (101)
Four units, each quarter.

2. Cicero, Horace, Pliny
The De Senectute of Cicero, the Odes and Epodes of Horace, selected letters of Pliny, and possibly the Andria of Terence. Prerequisite: three years of high school Latin, or Latin CD.
M W F 11, or hours to be arranged (101)
Three units, each quarter.

3. Prose Composition
Practice in writing Latin prose narrative. Supplementary to Latin 2, and intended primarily for those who expect to teach Latin.
Hour to be arranged (101)
One unit, each quarter.

10. Livy, Horace Tacitus, Catullus
The history of Livy, the Satires and Epistles of Horace, the Agricola and Germania of Tacitus, selected poems of Catullus, and perhaps one of the comedies of Plautus. Prerequisite: Latin 2, or its equivalent.
Hours to be arranged (101)
Three units, each quarter.

11. Advanced Prose Composition
Exercises in advanced prose writing. Prerequisite: Latin 3.
Hour to be arranged (101)
One unit, each quarter.

MATHEMATICS

Preparation for the Major. Two years of high school algebra, solid geometry, and trigonometry; Mathematics 2D, 3A, 3B, 4A, 4B, 4C. Recommended: physics and a reading knowledge of French and German.
The student who shows ability to complete Mathematics 2D, 3A, 3B, 4A, 4B, and 4C in two years will be given special consideration.
COURSES OF INSTRUCTION

*4A. Engineering Mathematics
Applied integration, solid analytic geometry, and partial differentiation. Second 18 weeks. Prerequisite: Mathematics 3B.
M W F 8 (210)
One and one-half units, winter quarter; three units, spring quarter.

*4B. Engineering Mathematics
Multiple integration with applications, and infinite series. First 18 weeks. Prerequisite: Mathematics 4A.
M W F (hours to be arranged) (210)
Three units, autumn quarter; one and one-half units, winter quarter.

*4C. Engineering Mathematics
A first course in elementary differential equations, with applications. Second 18 weeks. Prerequisite: Mathematics 4B.
M W F (hours to be arranged) (210)
One and one-half units, winter quarter; three units, spring quarter.

*40. (See page 68)

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

Military Science and Tactics: Theoretical
Organization, defense act, interior guard duty, musketry, map reading, sand table exercises, company administration and supply, mechanization, defense against chemical warfare, mechanization and airplane attack, historical examples, camp sanitation and camp expedients. Two one-hour periods weekly. Prerequisite: two years of high school R. O. T. C.; or one year junior college basic R. O. T. C.; or attendance at one Civilian Military Training Camp. The year course satisfies the requirement in hygiene for the title of Associate of Arts.
T T 10 (R. O. T. C. Headquarters)
Two units, each quarter.

MUSIC

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

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

THEORY

1. Musicianship
The fundamentals of music: the melodic, harmonic, and rhythmic elements through aural approach. Major and minor chords, keys and scales, intervals from the harmonic basis, cadences, through singing, writing, playing, and dictation. Time durations, notations, time signatures, rhythmic reading and dictation. Elementary four-part harmony, melodic dictation, and sight-singing.
M W F 11 (Music Building)
Three units, each quarter.
COURSES OF INSTRUCTION

3. History and Appreciation  
BACHMANN
The appreciation and enjoyment of good music through intelligent listening. The evolution of music from ancient times to the present. The development of musical form. The lives of the great composers and analysis of their works, illustrated by recordings. Lectures, assigned readings, term papers.

M W F 10 (Music Building)
Three units, each quarter.

4. Harmony I  
BACHMANN
The fundamental principles governing four-part harmonization from melody and figured bass. The secondary triads, dominant seventh and ninth chords and their inversions, altered triads. Common chord and pivotal modulations. Harmonic and melodic dictation. Keyboard application. Original compositions in the smaller forms. Prerequisite: Music 1, or its equivalent.

M W F 9 (Music Building)
Three units, each quarter.

10. Harmony II  
BACHMANN
Secondary seventh chords and their alterations, chromatic harmony. Analysis, harmonic and melodic dictation, enharmonic modulations, keyboard application. Original compositions in the smaller forms. Prerequisite: Music 4, or its equivalent.

Hour to be arranged (Auditorium)
Three units, each quarter.

APPLIED MUSIC

Organ I  
ORTIZ
A beginning course in organ technique and style, based chiefly on a study of the organ works of J. S. Bach.

The student who has completed satisfactorily a year's work in Organ I but who does not qualify for the more advanced work in Organ II may take a second year in Organ I, using new material, and upon satisfactory completion of the course will receive one additional unit of credit.

M 12:30 (Auditorium)
One unit, each quarter.

Organ II  
ORTIZ
A continuation of Organ I. A survey of the classic, romantic, and modern organ composers in connection with the basic work of J. S. Bach. Pedal study emphasized.

Hour to be arranged (Auditorium)
One unit, each quarter.

Piano I  
BACHMANN
A beginning course in piano technique and interpretation. The work is conducted in classes.

The student who has completed satisfactorily a year's work in Piano I but who does not qualify for the more advanced work in Piano II may take a second year in Piano I, using new material, and upon satisfactory completion of the course will receive two additional units of credit.

M F 2:30-3:30 (Music Building)
Two units, each quarter.

Piano II  
BACHMANN
A continuation of Piano I. Major and minor scales, diminished seventh arpeggios, Czerny studies, pieces chosen from the works of classic, romantic, and modern composers. The work is conducted in classes. Prerequisite: Piano I, or its equivalent.

M F 3:15-4:15 (Music Building)
Two units, each quarter.

Voice I  
SPOHR
A class in voice culture conducted for beginners. The elements of vocal technique, including breathing, tone placement, simple diction, and some song interpretation are presented in proper sequence,

Student Choir  
SPOHR
A class of selected mixed voices, limited to 35 members, which has for its aim the study and performance of the finest choral music. Much a cappella singing. Two two-hour periods weekly, with outside study.

M W 3:30-5:00 (400)
Two units, each quarter.

Orchestra  
Routine work in the reading and performance of standard compositions. Qualified students are eligible for the opera orchestra. May be taken for credit, or as an extracurricular activity without credit.
Th 12:30-2:00 (Auditorium)
One unit, each quarter.
emphasizes being placed upon tone production as the essential. Two or three hours weekly. Students who can not read music are advised to take in conjunction with Voice 1 the first quarter of Music 1.

Hours to be arranged (Auditorium)

Two or three units, each quarter.

**Voice II**

Continuation of Voice 1. 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 1. Two or three hours weekly.

Hours to be arranged (Auditorium)

Two or three units, each quarter.

**NURSING**

Pre-Nursing Curriculum

The College offers the following one-year curriculum prescribed for admission to state accredited schools of nursing:

<table>
<thead>
<tr>
<th>Autumn Quarter</th>
<th>Winter Quarter</th>
<th>Spring Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1...5</td>
<td>Chemistry 1-2</td>
<td>Bacteriology 2...5</td>
</tr>
<tr>
<td>English 1......3</td>
<td>English 1......3</td>
<td>English 1......3</td>
</tr>
<tr>
<td>Physiology 3....4</td>
<td>Physiology 3....4</td>
<td>Physiology 3....4</td>
</tr>
<tr>
<td>Psychology 1....3</td>
<td>Psychology 1....3</td>
<td>Psychology 1....3</td>
</tr>
<tr>
<td>Bacteriology 2....2½</td>
<td>Bacteriology 2....2½</td>
<td>Bacteriology 2....2½</td>
</tr>
<tr>
<td>Sociology 1......3</td>
<td>Sociology 1......3</td>
<td>Sociology 1......3</td>
</tr>
</tbody>
</table>

**PHILOSOPHY**

*1. Logic, Theoretical and Practical*  
Boardman

Logical doctrine is concentrated on argument and proof. The nature of argument, fallacy, definition, syllogism, dilemma and propositional relations occupy the first eighteen weeks; the nature of proof, hypothesis, causal relations, generalization, theorem and probability, the second eighteen weeks.

M W F 10 (120)

Three units, each quarter.

**PHYSICAL EDUCATION**

Physical education is required of all men who are not taking Military Training. It is required 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, University of California, Berkeley. Required:**  
Chemistry 1-2, first 18 weeks; Biology 1B; Physiology 3; Psychology 1, first 18 weeks; Hygiene 3; Physical Education (6 quarter units); and training in the various athletic activities. Recommended: Bacteriology 1; Psychology 1, second 18 weeks; Hygiene 1; and (for women) Recreational Leadership.

**Preparation for the Major, Teachers College, U. C. L. A. See page 53.**

**For Men**

**Physical Education**  
Mortensen

The physical education course for men comprises activities for groups and for individuals. Group activities include touch football, speedball, playground ball, basketball, baseball, volleyball, appara-
tus work, and tumbling. Individual activities include wrestling, boxing, 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.

Physical Education (section limit, 35): section 1: T T 9; section 2: M W 11; section 3: T T 11; section 4: M 1:30, W 2:00 (Gymnasium and Field).

Tennis. Open to first year students and to those second year students who have not had tennis before. Section limit, 24. Section 1: M W 10; section 2: M 12:30, W 1:00 (Courts).

One unit, each quarter.

Athletics

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

M T W T 3:30-5:30 (Field)

One unit, each quarter.

Physical Education

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 volley ball, basketball, tennis, badminton, and hockey. Two hours weekly.

Physical Education: section 1: T T 9; section 2: M W 10; section 3: T T 11 (Gymnasium).

Tennis: section 1: M W 11; section 2: T T 1:30 (Courts).

Archery: M W 1:30 (Range).

One unit, each quarter.

Recreational Leadership

Primarily for women who expect to major in physical education, for recreational and playground leaders, and for elementary school teachers. Includes simple folk and clog dances, informal games, marching, dramatic story plays, and rhythms suitable for young children. Two hours weekly. May be taken instead of, or in addition to, regular Physical Education course. To be offered if there is an enrollment of 20 or more.

M W 12:30-1:30 (Gymnasium)

One unit, each quarter.

Athletics

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

M 3:30 (Tennis)
T T 3:30 (Team sports)
W 4:00 (Swimming)

No college credit

Recreational Leadership

Primarily for women who expect to major in physical education, for recreational and playground leaders, and for elementary school teachers. Includes simple folk and clog dances, informal games, marching, dramatic story plays, and rhythms suitable for young children. Two hours weekly. May be taken instead of, or in addition to, regular Physical Education course. To be offered if there is an enrollment of 20 or more.

M W 12:30-1:30 (Gymnasium)

One unit, each quarter.

Athletics

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

M 3:30 (Tennis)
T T 3:30 (Team sports)
W 4:00 (Swimming)

No college credit

Social Dancing

The newer and the older forms of the social dance. Knowledge and performance of the more acceptable steps and routines. The round, square, contra, and circle dances are taught as prerequisite to the newer rhythms.

Instruction is given in individual, couple, and ensemble performance; also in social dance deportment. Limited to 30 men and 30 women. Accepted in satisfaction of the requirement in Physical Education.

T T 10 (Gymnasium)

One unit, each quarter.

PHYSICS

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

1. General Physics

Mechanics, properties of matter, and heat. Primarily for students who expect to major in physics, and for students in engineering, chemistry, and architecture. Mathematics 2D, 3A, 3B should be taken con-
CURRENT WITH Physics 1. Three one-hour conferences and one laboratory period weekly. Prerequisite: high school physics, or Physics 2.

Lectures: M W F 11 (105); laboratory: section 1: M (103); section 2: Th (103).

Four units, each quarter.

2. General Physics

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

Lectures: M W F 9 (105); laboratory: section 1: Tu (103); section 2: W (103).

Four units, each quarter.

3. Photography

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

Lectures: T T 9 (105).

Two units, each quarter.

10. General Physics

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

Lectures: T T 11 (165); laboratory: section 1: W (105); section 2: Th (105).

Three units, each quarter.

PHYSIOLOGY

Preparation for the Major. Required: Zoology 1 or Physiology 1; Physics 2; Chemistry 1–2, 13. Recommended: intermediate algebra; Chemistry 10, 11; and a reading knowledge of French and German.

Physiology 1, 2, or 3 is accepted in satisfaction of the requirement in hygiene for the title of Associate of Arts.

POLITICAL SCIENCE

1. Comparative Government

a. A consideration of the fundamental attributes of government, its origin, its form, and the functions of electorate and parties. The government and parties of Great Britain and the other important members of the British Commonwealth of Nations (autumn quarter).

b. The government and parties of Germany, France, Switzerland, and Japan (winter quarter).

c. The government and parties of Italy, Russia, and the United States (spring quarter).

Section 1: M W F 9 (209); section 2: M W F 11 (209).

Three units, each quarter.
PSYCHOLOGY

Preparation for the Major, University of California, Berkeley. Required: Psychology 1, and either Physiology 1 or Zoology 1. Recommended: French, German, chemistry, physics.

Preparation for the Major, U. C. L. A. (1) Psychology 1; a year course in one of the following: a physical science, a life science, Greek, Calculus; (3) Philosophy 1.

*1. General Psychology

A general introduction to a scientific study of mental processes or activities, including reactions and reaction tendencies, instinct, emotion, feeling, sensation, attention, perception, memory, imagination, habit formation, the laws of association, reasoning, will, and personality. Section limit: 50.

Section 1: M W F 8 (206); section 2: M W F 10 (206); section 3: M W F 11 (265).

Three units, each quarter.

3. Mental Hygiene

A study of the principles involved in the preservation of mental health. Open to second year students and, with the approval of the instructor, to first year students. The course is completed in one quarter:

M W F 11 (111)

Three units, autumn or winter quarter.

SOCIOLOGY

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

1. Social Institutions

Bliss, Fraser, Mackenzie, McDermont

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. Section limit: 45.

a. General principles and organization of social institutions. Economic institutions and problems (autumn quarter).

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

Section 1: Bliss T T 8 (105) and W 11:40 (105)
" 2: Fraser T T 9 (208) " W 11:40 (Aud.)
" 3: Fraser M F 9 (120) " W 11:40 (Aud.)
" 4: Mackenzie T T 9 (209) " W 11:40 (120)
" 5: Mackenzie T T 10 (209) " W 11:40 (120)
" 6: McDermont T T 10 (208) " W 11:40 (205)
" 7: Fraser T T 11 (209) " W 11:40 (Aud.)
" 8: McDermont T T 11 (208) " W 11:40 (205)

Three units, each quarter.

*10. Introduction to Sociology (Not offered in 1939-1940)

An attempt to apply scientific principles to the study of human society.

a. Nature of the social bond; the social structure, including community, class, crowd, and family (autumn quarter).
b. The social structure, continued: associations as related to interests; primary groups; and the great associations, political, economic, and cultural (winter quarter).
c. Social control, including social codes and sanctions, religion, morality, custom, and law; and ecology, society and the environment, geographic and total (spring quarter).

M W F 10

Three units, each quarter.

SPANISH

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

AB. Elementary Spanish

O'Neil, Ortiz

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. Colloquial reading, with discussion in Spanish by the class.

Open to those who have had no Spanish, or less than two years of high school Spanish, or two years of high school Spanish with grades lower than C.
COURSES OF INSTRUCTION

The student who, having completed two years of Spanish in high school with grades not lower than C, elects Spanish AB will, upon satisfactory completion of the course, receive full credit for graduation but no college transfer credit.

<table>
<thead>
<tr>
<th>Section</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>O'Neill</td>
<td>M W F</td>
<td>8</td>
<td>114</td>
</tr>
<tr>
<td>2</td>
<td>Ortiz</td>
<td>M W F</td>
<td>8</td>
<td>205</td>
</tr>
<tr>
<td>3</td>
<td>Beatie</td>
<td>M W F</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>4</td>
<td>Ortiz</td>
<td>M W F</td>
<td>11</td>
<td>120</td>
</tr>
</tbody>
</table>

Three units, each quarter.

1. Elementary Spanish O'Neill
Spanish grammar. Conversation, memorizing, and dictation relative to Spanish speaking countries. Abundant practice in short oral themes and written composition. Reading of approximately 1200 pages of modern novel, plays, and short stories. Collateral reading, with weekly reports in Spanish. Open to students who have had two years of high school Spanish with grades not lower than C for each of the two years. Full credit for transfer.

M T W T F 11 (114)
Five units, each quarter.

2. Intermediate Spanish: Reading and Conversation O'Neill
Reading of approximately 1500 pages of modern Spanish novels, plays, and short stories, with oral and written exercises based upon the class work. Collateral reading, with weekly reports in Spanish. Course conducted largely in Spanish. Prerequisite: Spanish 1, or its equivalent.

M W F 9 (114)
Three units, each quarter.

3. Intermediate Spanish: Grammar and Composition O'Neill
Further study of Spanish grammar and syntax. Conversation, memorizing and dictation relative to Spanish speaking countries, with abundant practice in oral themes and in written composition. It is advised that courses 2 and 3 be taken concurrently by the student who is planning to continue the study of Spanish in the university. Course conducted largely in Spanish. Prerequisite: Spanish 1, or its equivalent.

T T 9 (114)
Two units, each quarter.

10. Advanced Spanish O'Neill
The modern and contemporary Spanish novel and drama. The first eighteen weeks are devoted to a study of the novel; the second eighteen weeks to the drama. Selections from the works of important novelists and dramatists are read and discussed in class and as collateral work, with reports in Spanish. History of the 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.

M W F 1 (114)
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 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.

T T 1:30 (114)
Two units, each quarter.

12. Advanced Spanish: Directed Reading O'Neill
An extensive reading course. Oral and written reports submitted at weekly conferences. Prerequisite: Spanish 10.

Hour to be arranged (114)
One or two units, each quarter.

13. Advanced Spanish: Conversation and Article Writing O'Neill
Practice adapted to the needs and interests of the individual student. Prerequisite: Spanish 11.

Hour to be arranged (114)
One unit, each quarter.

14. Advanced Spanish: Conversation and Article Writing O'Neill

VOCA TIONAL COURSES

Students wishing to enroll in vocational courses should confer with the Registrar. Units received for work completed in shop courses will be counted in partial satisfaction of the requirements for the Associate of Arts Title, but the evaluation of such units for transfer will be left to the institution to which transfer is made.
COURSES OF INSTRUCTION

Under the Smith-Hughes Act five hours of related work and fifteen hours of applied work are required weekly for ten units of credit. Students not working under the Smith-Hughes Act may register for from one to five units of credit.

Auto Mechanics
A laboratory course in the fundamental principles of the operation and repair of the modern automobile. It is primarily intended to train the student with some mechanical aptitude for entry into some branch of the automotive trade. Special emphasis is placed on making the work practical and to conform with the best shop practices. Five hours of related work and fifteen hours of applied work weekly.
- Related work: M T W T F 8 (305); applied work: M T W T F 12:30-3:30 (304)
- One to five units; or ten units, each quarter.

Machine Shop
First year.—Elementary machine operation. Floor and bench work. Related subjects covering mathematics, science, and drawing connected with the machinist's trade.
Second year.—Advanced shop practice. A continuation of elementary machine work, including the more intricate machine and floor operations. Five hours of related work and fifteen hours of applied work weekly.
- Related work: M T W T F 8 (308); applied work: M T W T F 12:30-3:30 (303)
- One to five units; or ten units, each quarter.

Mill Cabinet
An advanced course in furniture making and wood turning. Includes training in the use of woodworking machinery and a study of different kinds of wood. Five hours of related work and fifteen hours of applied work weekly.
- Related work: M T W T F 8 (306); applied work: M T W T F 12:30-3:30 (307)
- One to five units; or ten units, each quarter.

Printing
General theory and practice of commercial printing covering fundamental principles of hand composition, linotype operation, make-up, press work; binding, theory, and design; estimating and supervision; use of English, copy editing, copy fitting, and proofreading; also the history of printing, its place in the arts and crafts, and its influence on civilization.
- Related work: M T W T F 8 (Print Shop, Applied Arts Building); applied work: M T W T F 12:30-3:30 (Print Shop)
- One to five units; or ten units, each quarter.

History of Printing (See History 9, page 77)

COURSES OF INSTRUCTION

ZOOLOGY

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

I. General Zoology
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.
- Lectures: M W F 10 (206); laboratory: T T (207)
- Five units, each quarter.

*10. Comparative Anatomy of Vertebrates
An introduction to vertebrate morphology, development, and classification. The osteology, myology, and nervous system of the shark and the cat are studied in detail. Designed particularly for those who plan to major in zoology and for pre-medical and pre-dental students. One lecture and two laboratory periods weekly. Prerequisite: Zoology 1.
- Hours to be arranged (207)
- Three units, winter quarter; three units, spring quarter.

*12. Entomology
Anatomy, physiology and life history studies of insects, with special reference to insects of economic importance. Lectures, conferences, laboratory, and field work. Prerequisite: Biology 1A-1B or Zoology 1, or equivalent. Second 18 weeks (February 12-June 19).
- Lecture: W F 8 (207); laboratory: M (207)
- One and one-half units, winter quarter; three units, spring 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 so as 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 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 Nevada-California Electric Corporation, the City of Riverside Electric Department, G. Stanley Wilson, architect, the American Potash and Chemical Corporation, the Riverside Public Library, the Douglas Aircraft Company, Inc., 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.
EXTENSION DIVISION

ADULT EDUCATION

In the field of adult education the College sponsors activities in three departments: music, drama, and art. Musical activities are represented by the College Adult Chorus under the direction of Mr. H. Norman Spohr and by the Riverside Opera Association under the direction of Miss Marcella Craft; drama by the Riverside Community Players under the direction of Mr. Leland Wilcox; art by the Art Center under the direction of Mr. Rexford Brandt.

The opportunities and the courses offered in the Extension Division are also open to students in the regular division and are given full credit.

MUSIC

COLLEGE ADULT CHORUS, 1938-1939 SCHEDULE
Requiem (March 19, 1939) ........................................ Brahms
Stabat Mater ( — ) .................................................. Rossini
Concerts in the College Quadrangle (Summer Session)

RIVERSIDE OPERA ASSOCIATION, 1938-1939 SCHEDULE
Lucia Di Lammermoor (October 13, 15, 17) ....... Donizetti
I Pagliacci (October 13, 15, 17) .................................. Leoncavallo
Tales of Hoffman (December 1, 3, 5) .................. Offenbach
La Gioconda (January 19, 21, 23) ....................... Ponchielli
The White Bird (March 2, 4, 6) ................... Dr. Ernest T. Carter
Così Fan Tutte (April 13, 15, 17) .................. Mozart

DRAMA

RIVERSIDE COMMUNITY PLAYERS, 1938-1939 SCHEDULE
Lightnin' (October 24-29) ....................... Smith and Bacon
Brother Rat (December 5-10) ......................... Monks and Finklehoffe
Someone at the Door (February 13-18) ............. Christie and Christie
Johnny Johnson (April 17-22) ......................... Green
Stage Door (June —) ........................................ Kaufman and Ferber

EXTENSION DIVISION

ART

ART CENTER, 4689 Olivewood Avenue

Applied Design SIDES
Theory and principles of design and application to ceramics, textile and graphic arts. Historic ornament. Period decoration.
Tu 7:30-9:30 p.m.

History and Appreciation of Art COOPER
Medieval, Renaissance, and Modern Art. Art study and appreciation of art, architecture, sculpture, and painting. Lantern slides in full color.
Tu 7:30-9:30 p.m.

Beginning Drawing and Painting BRANDT
A course designed for adult beginners in drawing and painting.
T T 9-12 a.m.

Ceramics—Pottery HIRST, THOMPSON
Pottery, tiles, sculpture, and other ceramic forms, from the original design to the firing of the finished article. Techniques of modeling, slip casting, and glazing.
W 3-5 p.m. and 7-10 p.m.; F 1-5 p.m.

Crafts D'ELISCU
Leather, metal, wood: Theory and practice.
M 7-10 p.m. (Administration Building, Ninth and Lemon Streets)

Figure Drawing BRANDT
Half-hour illustrated lectures on art anatomy and kinesiology, followed by one and one-half hours work on model. Quick sketch portrait and character subjects in any suitable medium.
Tu 7:30-9:30 p.m.

Landscape BRANDT
Problems in picture composition in watercolor, oil, tempera, pastel, or any suitable medium.
Th 1-4 p.m.
Photography
The use of photography as a medium of artistic expression. Candid cameras, home movies, pictures at night. Lectures, demonstrations, and class assignments.
Th 7-9 p.m.

Portraiture
Painting from the model in any medium; class discussion and criticism.
Th 7:30-9:30 p.m.

Sculpture
Modeling in the round and in relief. Study from the model, composition and architectural design in sculpture, methods of work, casting the finished piece.
Th 7:30-9:30 p.m.

Weaving
Theory and practice of textile weaving. Lessons in wool, spinning, study of colonial weaves for three and four harness looms, tapestry and Indian weaving. Creation of all types of fabrics.
T W T 9-12 a.m. (500)

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: 1938-1939

President—ALBERT BROWN, JR.
Vice-President—RICHARD MANNING STEPHENSON
Secretary—ELIZABETH PORTER
Treasurer—ALBERT FRANCIS VAN DIEST
Men's Athletic Manager—WILLIAM MCDONALD ROSS
Women's Social Chairman—ELIZABETH ELLEN REED
Men's Social Chairman—PAUL EDWARD BELL
President Associated Women Students—ELIZABETH JANE CLARK
President Women's Athletic Association—MILDRED LEONE WASSMAN

Editor Arroyo—HENRY ALLEN MUEIA
MARVIN S. HAYMAN
VANCE WILSON PERRY
Editor Varieties—(Not published in 1938-1939)
Editor Tequesquite—MARGARET JOY
Rally Committee Chairman—THOMAS GEORGE FULLER
Forensics Manager—DUANE STEVENS KENT

Faculty Adviser—WILLIAM RUSSELL BAILEY
ASSOCIATED WOMEN STUDENTS

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

President—ELIZABETH JANE CLARK
Vice-President—EVELYN ANN CHRISTENSEN
Secretary—BETTY RAE FINLEY
Athletic Representative—MILEY LEONE WASSMAN
Treasurer—BARBARA MARY BURLINGAME
Social Chairman—CHARLOTTE ANNE COLLINS

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
KAPPA UPSILON, Y. M. C. A. FRATERNITY
LETTERMENS CLUB
WOMENS ATHLETIC ASSOCIATION
VELEDA CLUB, Y. W. C. A. SORORITY

PUBLICATIONS

TEQUESQUITE

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

THE ARROYO

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

STUDENT VARIETIES

Student Varieties is an occasional magazine, usually appearing once a year. Its literary content is selected from material submitted and reviewed in English 13, although voluntary contributions are also given consideration. The illustrations are drawn by students of the Art department, and the printing is done by the College Press. Staff appointments are made after students have demonstrated special abilities. The class in English 13 serves as a consulting editorial board.

DEBATING

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

Western division: Compton, Glendale, Long Beach, Los Angeles, Pasadena, Santa Monica, Ventura.

Eastern division: Chaffey, Citrus, Fullerton, Pomona, Riverside, San Bernardino, Santa Ana.

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

DRAMATICS

The interests of drama are served by the classes in dramatic art, English 9 and 19, which present two or three full-length plays and several one-act plays each year. Further opportunities for experience in acting and in stagecraft are offered in the Community Opera Association in the College Extension Division.

MUSIC

Musical activities are given a large place in the life of the College. Instrumental music is represented by the orchestra; choral music by the student choir. These organizations
ATHLETICS FOR MEN

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

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

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

ATHLETICS FOR WOMEN

Riverside Junior College is also a member of the Southern California Womens Athletic Association of Junior Colleges. Basketball, volley ball, indoor baseball, hockey, and tennis constitute the program of intercollegiate sports.

Three junior college play days are scheduled each year.

ELIGIBILITY TO STUDENT ACTIVITIES

To be eligible to hold any Student Body office or to represent the College in any intercollegiate activity, a student must be passing in at least 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 1938

Alex A. Alexander
Roy Lewis Anderson
Alice Esther Antonsen
Margaret Elsie Babcock
Philip Eugene Baldwin
Ethel Mary Ballenger
Clarence Lacey Barto
Robert Lee Bayer
Ruth Bayless
Sarah Becker
Joseph B. Beeson
Harry Bente
Gay Anita Beverley
Ignatius Leon Billy
Mildred Blackmore
Kathryn Eliner Bolinger
Marian Adele Brannan
Wayne Bulgrin
Robert L. W. Burrell
Phyllis Irene Button
Virginia Caldwell
Helene Annette Card
Betty June Cassen
Alfred Francis Charlton
Daniel P. Choisser
Mary Kay Cooksey
Robert Ellsworth Cordell
Margaret Anna Corey
Jerome Everett Cowan
Leis Olive Cummings
Robert Brittain Dalby
Jean Elizabeth Davenhill
George Hathaway Dole
Robert Jay Drake
Herbert W. Emlund
Florence Hamilton Emery

Caroline Warren Frost
Thomas Austin Gydell
Earl Webb Galloway
Wilma Evelyn Gallwas
Harold Glasser
Philip Eugene Gordon
Verna Elizabeth Gordon
Owen Graham
Dora Emma Grantham
Natalie Muriel Guard
William Ernest Guyer
Holmes Halma
Jo Ann Hathcock
Robert Helgeson
Joseph Rosbon Henderson
Georgia Ruth Hicks
Mabel Bennett Hutchinson
Henry Zader Hield
Doris Virginia Huffman
Eleanor Maxine Hunt
Jackson Ingham, Jr.
Clyde H. Jeffrey
Joyce Johnson
Lola Mae Johnson
Wesley S. Jones
Alice Virginia Kelley
Betty Doris Lackey
James Clifford Lawrence
Ruth Lewis
Virginia Lee Little
Abeline Buchanan Lockhart
Allyson Jane McCollister
Darrel McCorkell
Henry J. McCracken
Virginia Grace McFarland
Paul Sheldon McGuire

LaVersa McKean
Marian Annette McWilliams
Walter Eugene Malone
Aurelia Irene Mendoza
John Frederick Miller
Robert Martin Miller
Laurel Mae Mooneyham
Moreen Iris Nichols
Betty Aya Nishimoto
Mary Kiyoko Ochihi
George J. O'Leary
Daniel Joseph O'Leary
Jesse Peter Oswald
Frances Margaret Paseo
Samuel Charlesworth Paul
William Edward Paxton
Virginia Pearse
Idamay Plummer
Berkeley Douglas Powell
Wesley Adolph Provenzal
Clint Bert Reddish
Oda LeRoy Renfro
William E. Riddle
Harvey Edward Robinson
Lyle Roush
Ruth Agnes Sallot
Bert Lloyd Sanand
Frances Sanchez
James Elmo Sands
Mary Elsaiko Sawahata
Robert Alfred Schoenbner
Beatrice L. Shepard
Duane Minard Shrode

Roland Frederick Silvas
George A. Sinclair
Vernetta Eliza Skellenger
Robert Henry Small
Alan Carling Smith
Joan Journey Smith
Otis Robert Smith
Elise Frances Stehler
David Stewart
Helen Irene Stinchfield
Mary Evelyn Strickland
Chauncey Melvin Swinney
Edward E. Swofford
Lee George Taylor
Jack Howard Tripp
Hall Ross Waggoner
Noel W. Wallace
Yvonne Gay Wallace
Christian Howard Wannemacher
John Warren Wells
Virginia Wells
David Clark White
Lorraine Aloya White
Virgil Hector White
Dorothy Margaret Whitmore
Jean Florine Williams
Frida Barbara Winters
Elma Woodbury
Arthur Ryder Woods
Rella Marion Wright
Mary Wilma Yardley
Cecil Rangel Ybarra
STUDENT REGISTER

Names are listed alphabetically without regard to class.

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

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

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

College address is in Riverside, unless otherwise stated.

SPRING QUARTER, 1938

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<th>Name</th>
<th>Home Residence</th>
<th>College Address</th>
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<td>Ashby, Doris Geraldine (Gr.)</td>
<td>Riverside</td>
<td>2775 Cridge St.</td>
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<td>Cooper, Floyd Reginald (3)</td>
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Enrollment, Spring Quarter

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AUTUMN AND WINTER QUARTERS, 1938-1939

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<td>Anderson, Eugene Theodore (1)</td>
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<tr>
<td>Anderson, Lester Eugene (2)</td>
<td>Ventura Junior College</td>
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110
STUDENT REGISTER

Bence, Victor Louis (1)
Bens, Marvin Dale (2)
Bero, Francis A. (1)
Berry, Clive Stuart (Sp.9)
Bens, Huvis Winfield (2)
Beverly, Anita (Gr.)
Beverly, Frank Miller (1)
Beymir, Neil Alvin (3)
Bingham, Frank Thomas (1)
Bingham, John James (1)
Birch, Syvnes Clair (1)
Bird, James Signius, Jr. (1)
Black, Laura N. (Sp.5)
Bliss, James Howard (1)
Bledget, Rose Mary (1)
Blose, Andrew Mackie (Gr.)
Blymyer, Frederick Miller (Gr.)
Bono, Barret Edward (1)
Bond, Stewart (1)
Boomer, Raymond George (1)
Booth, William Earl (2)
Braden, Georgia Belle (2)
Borin, Arthur (1)
Brorell, Richard Irving (Sp.7)
Bowles, Laurence Nance (Sp.7)
Boyd, Frank Thomas (2)
Brady, Watts Lee (1)
Bradt, Ellen Dale (Gr.)
Brandt, Samuel David (1)
Briggs, Fred Alden, II (3)
Brown, Dorothy Virginia (3)
Brown, Millie Belle (3)
Brown, Arno Jules (1)
Brown, Katherine (1)
Brown, Walter Lee (1)
Brown, Mercedes Leona (Sp.7)
Brown, Wayne Eugene (Gr.)
Brown, Jack Dunn (1)
Brown, Margaret (1)
Brown, Mary Mary (1)
Brown, Esther Henry (1)
Brown, Esther Jane (1)
Buckner, Dorothy Virginia (3)
Buckner, Millie Belle (3)
Buch, Arno Jules (1)
Buch, Katherine (1)
Buch, Walter Lee (1)
Buch, Mercedes Leona (Sp.7)
Buch, Wayne Eugene (Gr.)
Buch, Jack Dunn (1)
Buch, Margaret (1)
Buch, Mary Mary (1)
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Buch, Esther Jane (1)
Buckner, Dorothy Virginia (3)
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Buch, Wayne Eugene (Gr.)
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Buch, Esther Henry (1)
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Buckner, Dorothy Virginia (3)
Buckner, Millie Belle (3)
Buch, Wayne Eugene (Gr.)
Buch, Jack Dunn (1)
Buch, Margaret (1)
Buch, Mary Mary (1)
Buch, Esther Henry (1)
Buch, Esther Jane (1)

Riverside 405 State St., Redlands
Riverside 440 Fourth St., Redlands
Mount Assumption 4409 Twelfth St.
Institute, Plattsburg, N. Y.
Riverside 2006 Loma Vista St.
Corona 202 Buena Vista, Corona
Riverside 2743 Tenth St.
Riverside 2743 Tenth St.
Riverside 2898 Orange St.
Riverside 3043 La Cadena Dr.
Riverside 3043 La Cadena Dr.
Springville, Utah 196 Twining St.
Riverside 3097 Lemon St.
Riverside 5408 Chase Dr.
Riverside 5621 Grand Ave.
Riverside 3725 Oakley Ave.
Riverside 3115 Walnut St.
Riverside 2384 Third St.
East High School.
Salt Lake City
Riverside 3093 Roosevelt St., Arlington
Churchills 3078 Tenth St.
New Mexico Military 4608 Monroe St.
Institute, Roswell,
New Mexico
Chaffey Junior College.
Ontario 1360 Kellogg Ave.
Corona
Douglas, Arizona 4345 Howard Ave.
Riverside 2602 Arlington Ave.
Jewish Hospital 4331 Lemon St.
Riverside 6241 Riverside Ave.
Riverside 3339 Twelfth St.
Riverside 4429 Orange St.
San Bernardino March Field
Junior College
Riverside 2070 Iowa Ave.
Perris 288 Fourth St., Perris
Riverside 4923 Eleventh St.
Riverside 3778 Linewood Pl.
Gardena 4390 Main St.
Riverside 24 San Gonzalez Dr.
Redlands
Riverside 6450 Palm Ave.
Perris 4221 Fourteenth St.
Riverside 4226 Larchwood Pl.
Perris 4226 Larchwood Pl.
Perris 4257 Chester St.
Perris 4263 Eighmow Sq.
Perris 4667 Eighmow Sq.
Perris R. F. D. #1, Box 101, Perris

STUDENT REGISTER

Buckner, Dorothy Virginia (3)
Buckner, Millie Belle (3)
Buch, Arno Jules (1)
Buch, Katherine (1)
Buch, Walter Lee (1)
Buch, Mercedes Leona (Sp.7)
Buch, Wayne Eugene (Gr.)
Buch, Jack Dunn (1)
Buch, Margaret (1)
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Buch, Esther Jane (1)

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Perris 4667 Eighmow Sq.
Perris R. F. D. #1, Box 101, Perris

Beaumont 3908 Tenth St.
Beaumont 3908 Tenth St.
Albuquerque, New Mexico 3427 Main St.
Palmers 101 West Main St.
San Diego 3231 Fourteenth St.
Riverside 3427 Elmwood Ct.
Riverside 3957 Rosewood Pl.
Albuquerque, New Mexico 3427 Main St.
Riverside 3477 Riverside Dr.
Riverside 3490 Adams St.
San Diego 4328 Eighth St.
George Washington
University, Washington, D. C.
Riverside 4402 Westmoreland Ct.
Riverside 4141 Lemon St.
Riverside 4148 Jurupa Ave.
Riverside 2791 Orange St.
Brown School for Girls, Glendora
Las Vegas, Nevada 3908 Tenth St.
Riverside 4609 Riverside Ave.
Riverside 4160 Rubidoux Ave.
Riverside 3849 Everett St., Arlington
Banning 4026 Ninth St.
Central High School,
Shreveport, Louisiana
Albemarle 4805 Victoria Ave.
Riverside 4650 Rubidoux Ave.
Riverside 3428 Seventh St.
Corona 44 Hill St., Corona
Riverside 3628 Eighth St.
Riverside 5012 Magnolia Ave.
Riverside 4366 Sixth St.
Riverside 6112 Brockton Ave.
Riverside 4366 Sixth St.
Banning 4256 Seventh St.
Riverside 3291 Orange St.
Riverside 3450 Ramona Dr.
Riverside 3450 Ramona Dr.
San Bernardino 3638 Fairfax Ave.
Riverside 3007 E. D. 3, Box 270
Leland High School, Shalawaya
Oakland 1, H. H.
Riverside 3064 Fourteenth St.
Riverside 4367 Victoria Country Club
Riverside 3231 Cliffton Blvd.
Riverside 4895 Victoria Ave.
Riverside 3421 Fourteenth St.
Redlands 322 East Stuart Ave., Redlands
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Reutgen, Margaret (2)  
Reynolds, Maxine Tobman (Sp.)  
Rhine, Mary Wanda (1)  
Rich, Albert James (2)  
Richardson, Wilbur (1)  
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Riley, Camilla Alton (2)  
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Ripley, Janice Mary (2)  
Robbins, Owen Wilfred (1)  
Robertson, Robert Lee (Sp.)  
Rockhold, Wilda Faye (1)  
Rodriguez, Owen Wilfred (1)  
Rohlf, Lois Gwendoly (2)  
Romberg, Allen Edward (1)  
Roo, Robert Louis (1)  
Roe, Virginia Margaret (2)  
Roseberry, Elzie Louise (1)  
Rosenbusch, Ernest Ludwig (Sp.)  
Roth, Harry Robert (2)  
Roune, Sadie Jane (1)  
Ross, Mary Margaret (1)  
Ross, Mary Margaret (2)  
Rowe, Lyell A. (Gr.)  
Rowe, Harold Franklin (1)  

Student Register  

Arlington Heights, Illinois 4306 Main St.  
Riverside 3302 Mulberry St.  
Riverside 3302 Mulberry St.  
Riverside 3788 Oakwood Pl.  
Riverside 4918 Magnolia Ave.  
Riverside 4430 Rubidoux Ave.  
Santa Paula R. F. D. 56, 6126 Leonh St.  
Riverside 2380 Elkhorn Road  
Riverside 2380 Elkhorn Road  
Riverside 6597 Indiana Ave.  
Chaffey Junior College. 1116 Ramona St.  
Ontario 3404 Elwood Dr.  
Riverside 3056 Walnut St.  
Riverside 3427 Main St.  
Banning 3416 Walnut St.  
Riverside 4922 Pacheco Ave.  
Redlands 625 East Central Ave.  
San Diego 412 Sheridan St., Corona  
State College 412 Sheridan St., Corona  
Edinburgh Junior College, Edmonton, Texas 3045 La Cadena Dr.  
Ontario 9096 Lincoln Ave.  
East Chain Consolidated High School, East Chain, Minnesota  
Riverside 4442 Jessie St.  
Riverside 3302 Main St.  
San Diego 3056 Monterey St., Redlands  
Jordan High School, Los Angeles 7599 Emerald St.  
Riverside 2439 Arrow St.  
Santa Ana Junior College 4266 Homecrest Ct.  
Los Angeles 3427 Main St.  
San Diego 3851 Magnolia Ave.  
Riverside 3851 Magnolia Ave.  
Anaheim 4450 Orange St.  
Kirs, Germany 3201 Elmhurst Blvd.  
Air Corps Technical School, Chanute Field, Ill. 3421 Fourteenth St.  
Franklin High School, Los Angeles 3421 Fourteenth St.  
National City 3427 Main St.  
Riverside 7115 Mt. Vernon St.  
Riverside 2223 Lemont St.  
Las Vegas, Nevada Y. M. C. A.  
Fulton, Missouri 3427 Main St.  

Student Register  

Beaumont Sixth and Massachusetts,  
Beaumont 3421 Fourteenth St.  
Los Angeles 4122 Fourth St.  
City College 2785 Iris St.  
Norman, Oklahoma Coachella 3427 Main St.  
San Bernardino 5474 Magnolia Ave.  
Excelsior Union High, Norwalk 4333 Walnut St.  
San Bernardino 2237 Lemon St., __  
St. Francis de Sales, Riverside Lodge Grass, Montana Sherman Institute  
Riverside 895 Clark St.  
Riverside 5990 Elmhurst St.  
Ottosen State Teachers' College, Wisconsin  
March Field 5000 Franklin St.  
Riverside 4464 Orange Grove Ave.  
Riverside 5000 Corner Ave.  
Riverside 6300 Corner Ave.  
Washington 4026 Westminster St.  
Hemet 3978 Teoth St.  
Arlington Heights, Illinois 4306 Main St.  
Middleborough, Missouri 395 Wilson St.  
Riverside 5310 Magnolia Ave.  
Riverside 4022 Market St.  
Riverside 5255 McLaren St., Arlington  
Geddes, South Dakota 5106 Walnut St.  
Salon Indian School, Sherman Institute  
Chenawa, Oregon 5300 Magnolia Ave.  
Riverside 1026 Harold St., Redlands  
Riverside R. F. D. 24, Riverside  
Colorado State College, 3851 Elmhurst Ave.  
Fort Collins 5891 Elmhurst Ct.  
Colorado State College, Fort Collins  
Fort Collins 5891 Elmhurst Ct.  
Cotton 2223 Fourteenth St.  
Riverside 4250 Orange St.  
Oxnard High, Oxnard  
Riverside 4450 Jurupa Ave.  
Riverside 5039 Mt. View St.  
Riverside 5539 Mt. View St.
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Wallace, Wilfred Jean (1)
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Wall, Russell Edward (5)
Wamsley, Rosemary (2)
Ward, Marjorie Agnes (1)
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Wasmuth, Saul Boutin (1)
Wasmann, Mildred Louise (2)
Watkins, Beas K. (Sp.9)
Watson, John Joseph (2)
Wattles, Howard Percy (5)
Weber, Clarence William (1)
Welch, Benjamin Grant, (1)
Welch, William Earl (1)
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Wells, Richard Gordon (1)
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California
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Riverside 4608 Santa Ana Ave.
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Riverside 3643 Walnut St.
Riverside 1420 La Cadena Dr.
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Yakima, Washington 3829 Fourth St.
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Riveride 3519 Jurupa Ave.
Riveride 4535 Brockton Ave.
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Occidental College
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Riveride 1309 Bradley St.
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