CATALOG OF

RIVERSIDE

JUNIOR COLLEGE

1920–1921

ANNOUNCEMENTS FOR

1921–1922

RIVERSIDE, CALIFORNIA

Riverside City College Library
Riverside, California
CALENDAR FOR SCHOOL YEAR
1921-1922

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**RIVERSIDE JUNIOR COLLEGE**

**CALENDAR**

**1921**

- **September 15-16, Thursday, Friday**
  - Registration of Students

- **September 19, Monday, 8 a.m.**
  - First Semester Begins

- **November 18, Friday**
  - Last day for removing conditions and incompletes incurred second semester

- **November 24-25, Thursday, Friday**
  - Thanksgiving Recess

- **December 16, Friday, 4:30 p.m.**
  - Holiday Recess Begins

**1922**

- **January 3, Tuesday, 8 a.m.**
  - Holiday Recess Ends

- **January 20, Friday, 8 a.m.**
  - Semester Examinations Begin

- **January 27, Friday, 4:30 p.m.**
  - First Semester Ends

- **January 30, Monday**
  - Registration of Students

- **February 1, Tuesday, 8 a.m.**

- **March 24, Friday, 4:30 p.m.**
  - Spring Recess Begins

- **April 3, Monday, 8 a.m.**
  - Spring Recess Ends

- **May 5, Friday**
  - Last day for removing conditions and incompletes incurred first semester

- **May 30, Tuesday**
  - Memorial Day

- **June 1, Thursday, 8 a.m.**
  - Semester Examinations Begin

- **June 8, Thursday, 8 p.m.**
  - Fifth Annual Commencement Exercises
BOARD OF EDUCATION

MRS. LEON D. BATCHELOR  MRS. ARTHUR BROWN
J. M. DAVISON      W. T. DINSMORE
W. G. FRASER

OFFICERS OF THE BOARD

President
J. M. DAVISON
Clerk
A. N. WHEELOCK

RIVERSIDE JUNIOR COLLEGE

FACULTY 1920–1921

ANDERSON, ROBERT PATTON, English, Logic
Princeton University, A. B. 1903, P. B. K.
Princeton University, A. M. 1904
Teaching fellow, Princeton, 1903-1904
Instructor, Princeton, 1904-1905
Office Manager, Princeton University Press, 1910-13
Edinboro State Normal, Edinboro, Pa., 1914-1916
Riverside Junior College, 1916-

ANDREWS, ELIZABETH M., Mathematics
Stanford, A. B. 1908
University of Michigan, A. M. 1909
Riverside Junior College, 1919-

BLISS, HOWARD H., Physics
McMinnville College, 1902
California College, 1904
Univ. of Cal., B. S. 1909, M. S. 1915, Sigma Xi
University of California, 1915-1919
State Supervisor of Trade and Industrial Education,
Nevada, 1920
Riverside Junior College, 1920-

BOARDMAN, HARRY L., Social Sciences
McMinnville College, 1884-1886
Colfax College, A. B. 1889
University of Chicago, 1890-1893, Certificate
McMinnville College, D. D. 1903
McMinnville College, President, 1896-1903
Berkeley Divinity School, 1906-1906
Whitman College, 1915
Riverside Junior College 1920-
Bull, Elmer A., Drawing
Normal University, Salina, Kansas, 1901-1902
Kansas State Agricultural College, B. S. 1908
Industrial Education 1910, summer 1911
I. C. S. Architectural Drawing and Designing, 1914-16
Millman, Lumber mill, sash and door factory, 1908-09
State Normal School, Albion, Idaho, Instructor in
State Summer Schools for teachers, 1912-1913
Riverside Junior College, 1919-

Dalrymple, Virgil S., French
Butler College, A. B. 1899
Cornell University, 1899-1901
Foreign Travel, summers 1908, 1909, 1910, 1911, 1913
Riverside Junior College, 1919-

Dixon, Miss Maude, Librarian
San Diego State Normal, 1914
Riverside Library Service School, winter session 1917
Hemet Public Library, 1918
Riverside Public Library, 1917-18
Riverside Junior College, 1918-

Eggleson, Julius Wooster, Geology, Biology
Amherst College, B. S. 1898, P. B. K., Sigma Xi
Harvard, A. M. 1901
U. S. Geological Survey, Temporary Assistant, 1901-02
Colorado School of Mines, Assistant and Instructor in
geology and mineralogy, 1903-1905
Harvard, Assistant in geology, 1905-1910
Missouri School of Mines, Assistant Professor of geo-
logy and mineralogy, 1910-1913
Occidental College, Professor of geology and botany
1913-1917
California State Mining Bureau, Curator of museum
1918
Riverside Junior College, 1919-

Glass, Major Ralph R., Military Science and
Tactics
United States Military Academy, 1904
Graduate University of Maine College of Law, June
10, 1914 (Degree LL. B.)
Admitted to Maine Bar Association, August 1914
2nd Lieutenant U. S. Infantry, June 15, 1904
1st Lieutenant U. S. Infantry, June 1, 1911
Captain U. S. Infantry July 1, 1916
Temporary Major, U. S. Infantry, August 5, 1917
Temporary Lieut.-Col. U. S. Infantry, July 31, 1918
Asst. Professor Military Science and Tactics, Oregon
Agricultural College, April 4, 1920 to Sept. 17, 1920
Demoted to permanent rank Captain U. S. Infantry,
April 4, 1920
Promoted to Major U. S. Infantry, July 1, 1920
Riverside Junior College, Sept. 17, 1920-

Holland, Leland W., Mathematics
University of Southern California, A. B. 1916
University of Southern California, Summer Session
1919-1920
Instructor in Physics, University of Southern Cal-
ifornia, summer session, 1919
Riverside Junior College, 1920-

Houghton, Geo. E., Machine Shop
Two years at Morrow Machine & Screw Company,
Ingersoll, Ont., Can.
Seven years, Canada Cycle Motor Co., Toronto, Can.
Four years, Buick Machine Shop, Flint, Mich.
Two years, Western Mott Machine Co., Flint, Mich.
Seventeen months, Chevrolet Motor Car Co., Flint,
Mich.
Riverside Junior College, 1916-
RIVERSIDE JUNIOR COLLEGE

HUBBARD, R. C., Music
Amer. Inst. Nov. Methods, 1901-1904
National Summer School, 1899-1901
Riverside Junior College, 1920-

KINCELL, DOROTHY M., Modern Languages
Riverside Junior College, 1918
Pomona College, B. A., 1920
Univ. of Cal., So. Branch, Summer Session 1920
Riverside Junior College, 1920-

MAULER-HIENNECEY, EMILE, Modern Languages
Notre Dame De Sainte Croix, Paris, Seine, France, A. B. 1894
Notre Dame Du Saint Esprit, Beauvais, Oise, France
Les Freres Maristes, Paris, France
Jesuits Fathers (New Orleans, La.)
Nine years foreign travel
French Inst., Los Angeles, Calif., 1910-1913
Riverside Junior College, 1918-

MCEUEN, FRED L., Mathematics
Univ. of So. Calif., A. B. 1915
Univ. of So. Calif., Graduate Study 1915-1916
Summer Session Univ. of So. Calif., 1916
Riverside Junior College, 1920-

MERRIGOLD, DOROTHY C., Physical Director for Women
Occidental College, 1909-1912
Stanford University, B. A. 1913, M. A. 1914
University of Cal., Summer Session 1916
Riverside Junior College, 1920-

O'NEILL, KATE NAVIN, Spanish
University of California, A. B. 1906
Univ. of California, Summers 1910, 13, 14, 15, 16
University of Washington, Summer 1917
University of Southern California, Summer 1919
Riverside Junior College, 1916-

MOORE, N. O., Printing
Milton College, Milton, Wis., A. B. 1903
Davis Printing Co., Milton, Wis., 1897-1906
Manager Recorder Press, Plainfield, N. J., 1906-1910
Riverside Junior College, 1916-

NORTH, ALFRED M., History
Pacific University, B. S. 1901
University of Chicago, 1902-1906
Summer Sessions, University of Chicago, 1907-1908
Summer Sessions, University of California, 1912, 1914, 1915
Riverside Junior College, 1916-
Investigator for the Calif. State Historical Survey Commission, 1916

O'BRIEN, JAMES E., Commercial
San Francisco Business College, 1901
San Jose Normal, 1906
Heald's Business College, 1905
Five years practical experience as office manager
Riverside Junior College, 1918-

O'NEILL, KATE NAVIN, Spanish
University of California, A. B. 1906
Univ. of California, Summers 1910, 12, 13, 14, 15, 16
University of Washington, Summer 1917
University of Southern California, Summer 1919
Riverside Junior College, 1916-

*On leave of absence 1920-1921
ORCUTT, A. S., Botany  
B. S., Denison University, 1911  
M. S., Denison University, 1913  
Graduate Student, University of Wisconsin, 1913-14  
Ohio State Experiment Station, 1914-1915  
U. S. Department of Agriculture, 1909-1910  
Riverside Junior College, 1916-  

PAUL, ARTHUR G., Social Science, Principal  
Occidental College, A. B. 1909  
University of Calif., Graduate Study  
Summer Sessions 1913, 1914, 1916, 1917  
Winter semester, 1916  
Asst. to the President, Occidental College, 1919-1912  
Registrar and Instructor in English, 1912-1913  
Registrar and Associate Professor in History and Political Science, 1915-16  
Riverside Junior College, 1917-  

POWELL, CORA, Experimental Psychology  
University of California, A. B. 1918  
University of California, A. M. 1920  
University of California, Teaching Fellow, 1929  
Riverside Junior College, 1920-  

REA, ERNEST L., Latin and Greek  
Stanford University, A. B. 1901  
Graduate Student, Stanford, 1902 (Spring semester)  
Student, summers, University of Cal., 1910, 1916  
Univ. of Kentucky and Foreign Travel 1906-1907  
Riverside Junior College, 1916-  

REIMER, WILLIAM, Commerce  
Nebraska University, A. B. 1913  
Nebraska University, summer session 1914-15  
Nebraska University, A. M. 1916  
University of Cal., summer session 1919  
Riverside Junior College, 1920-  

RICKARD, HELEN S., Music  
Mount Holyoke College, A. B. 1913  
Study of piano and harmony with Rudolph Ganz, Berlin, Germany, 1913-1914  
Continuation of piano study with Ernest Hutcheson, New York, 1914-1916  
Harmony study, Columbia University, 1915-1916  
Riverside Junior College, 1919-  

SENTER, G. P., Chemistry  
William Jewell College, A. B. 1902  
William Jewell College, A. M. 1904  
Graduate Work, Harvard, 1904-1905  
Riverside Junior College 1920-  

SMITH, CAPT. A. W., Coach  
University of Michigan, M. D. 1912  
University of Michigan, assistant coach, football, 1911-1912  
California Institute of Technology, coach, and medical adviser, 1914-1915, 1917  
University of California, assistant coach, football, 1915  
Riverside Junior College, 1921-  

TURNER, GEO. M., Chemistry  
Amherst College, A. B. 1885  
Johns Hopkins University, 1885-1888  
Riverside Junior College, 1918-  
Collaborator on National Physics Note Book  
Chairman of Examination Committee for Physics for New York State, 1909-1913  
Chairman of Revision Committee for Syllabus in Physics for New York State, 1915-1916  

WIGLEY, WILLIAM C., Shop, Cabinet and Pattern Making
Chicago Teachers College, 1907
Building and mill work during summers
Riverside Junior College, 1916-

WILSON, HIRAM EDWIN, Physical Education
Completed course for Y. M. C. A. Physical Directors, 1902
Completed course for Physical Directors, Yale University, 1912
Physical Director, Pacific University, 1902-1905
Asst. Physical Director, Whitman College, 1906-1907
Physical Director, Y. M. C. A., Bellingham, Wash. 1907-1910
Physical Director, Denver University, 1912-1914
Physical Director, Community Gymnasium, Hammond, Indiana, 1914-1918
Supervisor Physical Education, Hammond, Indiana, Public Schools 1914-1918
Commissioned First Lieutenant, Physical Director and Athletic Officer U. S. Army Aviation, 1918-1919
Physical Director, Riverside Junior College, 1919-
Supervisor Physical Education, Riverside City Schools

ZUMBRO, E. A., Agriculture
Avalon College, A. B. 1886
University of Michigan, A. B. 1890
University of Munich, 1890
University of California, Summer Session College, Toledo, Iowa, 1891-1893
Riverside Junior College, 1916-

Co. L, 2nd U. S. Infantry 3 years; 2 years service on Mexican border
Co. G, 8th U. S. Infantry 4 years; 2½ years service in China and Philippines
Co. M, 44th U. S. Infantry, Presidio, San Francisco
Assistant Instructor R. O. T. C. to Col. William D. Geary, U. S. A., San Diego High School and Junior College, San Diego, April 12, 1919 to Dec. 10, 1919
Riverside Junior College, Asst. instructor R. O. T. C. Dec. 13, 1919-

JONES, BROADIE F., Sergeant, D. E. M. L.
Co. E, 1st U. S. Infantry, four years in Honolulu, H. T.
Co. E, 32nd U. S. Infantry, one year in Honolulu, H. T., and five months at San Diego, Calif.
Supply Company 82nd U. S. Infantry, seven months at San Diego, Calif.
General recruiting service, six months at San Francisco, Calif.
Co. M, 32nd U. S. Infantry, four months border duty Yuma, Ariz.
Riverside Junior College, Asst. instructor R. O. T. C.

LOPER, JOHN H., Staff Sergeant (retired)
Thirty years service in U. S. Army
Served in Spanish-American war
Four years in Cuba
Two years in Philippines
Mexican Border, two years
Rest of service in United States
Retired Jan. 27, 1921, Camp Kearney, Calif.
Riverside Junior College, Assistant instructor in R. O. T. C. March 14, 1921-
OFFICERS OF ADMINISTRATION

ARTHUR N. WHEELOCK
Superintendent of City Schools

ARTHUR G. PAUL
Principal; Director Extension Department

ROBERT P. ANDERSON
Chairman, Catalog and Curriculum Committee

ERNEST L. REA
Chairman, Admission, Classification and Schedule Committee

GEORGE E. HOUGHTON
Chairman, Rules and Discipline Committee

MISS HELEN S. RICKARD
Adviser to Women

MISS MAUDE DIXON
Librarian

MISS INA MCCOLLUM
Assistant to the Principal

STANDING COMMITUTES OF THE FACULTY 1921-1922

ADVISORY BOARD
Messrs. Paul, Anderson, Boardman, Dalrymple, Glass, Holland, Wigley, Zumbro

ADMISSION, CLASSIFICATION, and SCHEDULE
Mr. Rea, chairman
Miss Andrews, Messrs. North, Wigley

ATHLETICS
Mr. Cunningham, chairman
Messrs. Bull, Holland, Wilson

CATALOG and CURRICULUM
Mr. Anderson, chairman; Miss O'Neill, Messrs. Bliss, Eggleston, Hiennecey, Moore, Reimer

RULES and DISCIPLINE
Mr. Houghton, chairman; Miss Rickard, Messrs. Boardman, Dalrymple, Orcutt, Turner

SOCIAL LIFE
Miss Rickard, chairman; Miss Kincell, Miss Andrews, Messrs. Turner, O'Brien
HISTORY

After popular agitation lasting over two years, the Riverside Junior College was finally opened to the public in the fall of 1916 with a Freshman class of more than fifty students. Circumstances were particularly favorable to the development of a junior college at Riverside. The city had recently erected the strictly modern and well equipped Polytechnic High School, in which there was still plenty of room for the additional classes required. No expense had been spared in equipping laboratories and shops, which became at once available for the use of the new college. And last but most important, an especially able high school faculty, many of whose members had had experience in college teaching, stood ready to guide the infant institution to success.

This promise of success was at once realized. The second class was added in 1917, and in June, 1918, the first class was formally graduated. The members of this class straightway proceeded to distinguish themselves in the various colleges and universities to which they went to complete their undergraduate education, and thus gave the Riverside institution an enviable reputation which it still holds, and set a high standard which succeeding classes have worked manfully to maintain.

In common with most collegiate institutions, Riverside suffered during the late war because of its devotion to patriotic duty; but it has reaped its full reward since the armistice. Its enrollment has gone forward with leaps and bounds; it has added to its faculty and greatly widened the scope of its courses; and to-day in numbers, in spirit, and in scholarship it stands in the forefront of the junior colleges of California.

PURPOSE AND AIMS

The purpose of the Junior College is to afford to the residents of Riverside and the surrounding communities free instruction near their own homes in the first two years of college work. Thus not only is the cost of a college education cut almost in half, but the necessity for leaving home is postponed for two years. This means that the young student may without loss of educational time remain under home influences until sufficiently mature to leave them safely, and that no student need be subjected to the bewildering confusion of the present overcrowded lower classes at the great universities.

The aims of the college are twofold: first, to fit the student for the upperclass years of any college or university he may later wish to attend; and second, to offer a well-rounded two-year collegiate course to the student who does not wish to continue his work beyond the junior college.

LOCATION

The Junior College is located near the corner of Terracina and Riverside Drives on a bluff overlooking the Tequesquite Arroyo from the south. It is in the midst of one of Riverside’s newest and most beautiful residential sections, and is easily reached by walking, motor, or street car from the business dis-
RIVERSIDE JUNIOR COLLEGE

trict. Take the Arlington (Magnolia Avenue) car to Terracina Drive, and walk two blocks east.

BUILDINGS

At present the Junior College shares the handsome, modern, and well-equipped buildings of the Polytechnic High School. In the main, or Classics, building are the offices of administration, the auditorium, the library, the study hall, the book store, and most of the academic class rooms. In the Science building, east of the Classics building, are the science lecture rooms and laboratories. And a third building, to the south of the main building, houses the shops and the drawing rooms.

Down in the arroyo is laid out the athletic field, including a football field, a baseball diamond, basketball courts, and a quarter-mile track. Adjoining the athletic field a gymnasium and field house has lately been erected. Above the arroyo and just west of the main building are the tennis and girls' basketball courts.

It is expected that at an early date the Junior College will be housed in a new and up-to-date building of its own, containing all the latest equipment for junior college work.

LABORATORIES

The laboratories in the Science building are admirably planned and fully equipped for college courses in physics, chemistry, biology, geology, and agriculture. No expense has been spared in arranging and supplying these laboratories, and the comparatively small classes of the Junior College afford the individual student the utmost freedom and range in his laboratory work.

LIBRARY

At the opening of the Junior College the library of the Polytechnic High School was greatly enlarged to meet the needs of the college, and both institutions now share its facilities. Additions to this library are being constantly made just as rapidly as funds are available, and it is the aim of the School Board to build up a first-class collegiate library. In the meanwhile, by special arrangement with the Riverside Public Library, the entire resources of the county and state libraries are placed at the disposal of the Junior College. This means that valuable books for reference and collateral reading, otherwise practically unobtainable, are placed on the shelves for the entire year, and that thus the library facilities of the Junior College are on a par with those of any institution outside of the great universities.
REQUIREMENTS FOR ADMISSION

ADMISSION TO THE FRESHMAN CLASS

A graduate of a California high school may enter the Riverside Junior College upon presentation of proper credentials. Applicants from secondary schools outside of California are required to meet the same standards as applicants who enter from secondary schools in California. Candidates who are twenty-one years of age and over may register for such courses as they are prepared to pursue with profit. Candidates who are unable to present satisfactory school certificates and who desire to qualify for full admission may be admitted to the freshman class by passing examinations in the preparatory subjects constituting a standard high school course.

ADVANCED STANDING

Students from institutions of collegiate rank may be given advanced standing in the Riverside Junior College upon the presentation and approval of certificates from such institutions.

REQUIREMENTS FOR THE JUNIOR CERTIFICATE

Sixty-four units of college work, not more than four units of which may be in physical training, in military training, or in both, are required for the junior certificate. The unit employed in reckoning college credit is one exercise per week in one subject continued through a half year. A junior certificate will not be granted to a student who has not spent at least one semester in resident study at the Riverside Junior College.

Students who expect to continue beyond the junior college should provide themselves with a catalog of the institution to which they expect to go and should consult with the faculty advisers before arranging their courses of study.

The junior certificate admits a student to universities and colleges without examination. Whether a student can graduate in the usual two years will depend upon the course of study pursued in the junior college.
EXTENSION DEPARTMENT

Adult education has become one of the functions of the junior college. An extension department has been organized in connection with the Riverside Junior College to serve the community in this field. Two years experience have justified the continuance of the department, and its work will be greatly enlarged for the year 1921-1922.

Cooperating with the Extension Division of the University of California the following program of national music was given during the past year:

RUSSIA
Lecture—Dr. Baumgardt, October 29
Recital—Clara Pasvolsky, November 5

FRANCE
Lecture—Dr. Paul Perigord, December 20
Recital—Noack String Quartet, December 22

AMERICA
Lecture—Vernon Spencer, February 18
Recital—Olga Steeb, February 22

SPAIN
Lecture—Dr. Baumgardt, April 27
Recital—Estelle Heartt Dreyfus, April 29

DEPARTMENTS OF INSTRUCTION

COMMERCE
MR. O'BRIEN
MR. REIMER

The Riverside Junior College, in response to the growing demand for the services of young men and young women who have had adequate training in the field of commerce, has decided to develop the present commercial department into a Department of Commerce which will ultimately serve the needs of three classes of students:
(a) Those who desire more than high school commercial training but less than four years of college.
(b) Those who wish to obtain a degree in commerce and to that end expect to continue their studies in some other institution.
(c) Adult special students who may want to add to their knowledge of a particular subject or subjects.

Students who register in this department are advised to take the following courses in other departments:

- Economics 1a-1b (Principles of Economics)
- Philosophy 10a-10b (Psychology)
- Mathematics 12a-12b (Theory of Investments)

and one or more of the following beginning language courses:

- French 1a-1b
- Spanish 1a-1b
- German 1a-1b

**Elements of Accounting 1a-1b.** An introductory course dealing with the fundamental ideas of debit and credit applied in sole proprietorship, co-partnership, corporation and cost accounting. Prerequisite to all higher accounting courses. Daily two hour periods throughout the year.

FIVE UNITS EACH SEMESTER.
Bank Accounting 10a. A survey of accounting as it relates to the special field of banking and bank problems. Students will prepare and discuss various bank reports and write up a set of bank books. Prerequisite: course 1a-1b. Three two hour periods first semester. THREE UNITS.

Arithmometry 2a-2b. A course dealing with the modern method of handling figures. Correct methods of operation, practice and solution of miscellaneous business problems on calculating machines. One hour daily throughout the year. TWO UNITS EACH SEMESTER.

Stenography 1a-1b. The principles of Gregg Shorthand, supplemented by reading of shorthand plates and speed practice, will constitute the work of the first semester. During the second semester dictation and transcription of miscellaneous business correspondence will receive particular attention. Five hours throughout the year. FIVE UNITS EACH SEMESTER.

Secretarial Training 10a-10b. A combined shorthand and typewriting course with emphasis on secretarial ethics, the ideals of secretarial service, filing devices and office appliances. Prerequisite: Stenography 1a-1b and Typewriting 1a-1b or their equivalent. Daily two hour periods throughout the year. FIVE UNITS EACH SEMESTER.

Typewriting 1a-1b. Progressive typewriting lessons based upon a standard chart, supplemented by rhythmic drills and finger gymnastics. During the second semester advanced speed practice and dictation to the machine will be added. Daily one hour periods throughout the year. TWO UNITS EACH SEMESTER.
Greek Ia-Ib. Elementary Greek. Texts: White’s First Greek Book, Xenophon’s Anabasis or Cyropaedia, and Pearson’s Prose Composition. Occasional sight reading in the New Testament during the second semester. Four hours a week throughout the year. FOUR UNITS EACH SEMESTER.

Greek Ia. Cicero: selected orations and letters. Prerequisite: two years of high school Latin. Three hours the first semester. THREE UNITS.

Latin Ia. Virgil: the Aeneid. Open to students who offer for matriculation three years of high school Latin, or who have completed two years of high school Latin and course 1a. Three hours the second semester. THREE UNITS.

Latin Ia. Cicero’s De Senectute; Pliny’s Letters; Horace’s Odes and Epodes; Terence’s Andria or Adelphoe. Open to first year students who have completed the four years’ high school Latin course. Involves, in addition to textual study, an interpretation of Roman life and ideals; also a general survey of antiquities. Three hours each semester. THREE UNITS EACH SEMESTER.
German 1a-1b. A course for beginners. Elementary grammar and prose composition. Special training in pronunciation and simple conversational exercises. Reading of about 400 pages of easy German selected from the stories of Heyse, Storm, Gerstacker, Fulda and Baumbach. Conversational exercises and oral composition based on texts read. This course is intended to prepare for the course in scientific German. Five hours throughout the year. FIVE UNITS EACH SEMESTER.

German 2a-2b. A course in scientific German will be offered to enable candidates to meet the requirements for entrance into the scientific courses offered by the various universities. Three hours throughout the year. THREE UNITS EACH SEMESTER.

Spanish 1a-1b. Elementary Spanish. The essentials of Spanish grammar with careful drill on pronunciation, reading and writing; dictating and memorizing; translation of short stories and plays with conversation based upon Spanish texts. Collateral reading, discussions in Spanish by the class. Four hours throughout the year. FOUR UNITS EACH SEMESTER.

Spanish 2a-2b. Second year Spanish. Advanced grammar, composition and reading of about 1000 pages of modern novels, plays and short stories. Collateral readings with reports in Spanish. This course is conducted as far as is practicable in Spanish. The composition work is supplemented by dictation relative to the Spanish speaking countries. Prerequisite: two years high school Spanish or Spanish 1a-1b. Four hours throughout the year. FOUR UNITS EACH SEMESTER.

Spanish 10a-10b. The Modern and Contemporary Novel and 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. Advanced theme writing based upon selections read. Prerequisite: four years of high school Spanish or Spanish 2a-2b. Four hours throughout the year. FOUR UNITS EACH SEMESTER.

History 2a-2b. Modern European History. A study of the development of modern Europe, with particular reference to the rise of nationalities and the establishment of colonies. In addition to a study of the political happenings of the period, careful consideration will be given to the social and economic developments. Three hours each semester. THREE UNITS EACH SEMESTER.

History 10a-10b. History of England, a concise but comprehensive history of the origin and development of the English constitution. In addition to a consideration of the development of institutions, special attention will be given to social and economic history. Three hours each semester. THREE UNITS EACH SEMESTER.

Sociology 2a-2b. The purpose of this course is to make practical application of ethical principles to the social institutions. A basis is sought in a study of moral control; conscience; the essentials of moral action; the psychology and social character of the moral situation; the meaning and growth of personality, and the criterion of moral judgment, the socialized conscience. This criterion is applied to moral situations found in the study of the family, the school, the vocation, the state and the church. Reference work and the solution of original problems are features. Two hours throughout the year. TWO UNITS EACH SEMESTER.

Sociology 10a-10b. Principles of Sociology. A study of the origin and development of society and social institutions. Special attention will be directed to the growth and shifting of population, the genesis and life history of groups, social processes and products, and the ultimate tests of social policies. Prerequisite: Economics 1a-1b. Three hours throughout the year. THREE UNITS EACH SEMESTER.
RIVERSIDE JUNIOR COLLEGE

MATHEMATICS

Mr. McEuen
Miss Andrews
Mr. Holland

The central object of college mathematics is to put the student in possession of the powerful tools of the differential and integral calculus and to give him confidence and some experience in using them. A necessary basis for this is a further development of algebra and geometry.

Mathematics 5a. Plane and Spherical Trigonometry. Review of plane trigonometry with advanced applications; spherical trigonometry. TWO UNITS FIRST SEMESTER.

Mathematics 6a. College Algebra. Review from quadratic equations; advanced algebra with special attention to undetermined coefficients, partial fractions, and Horner's method for solving equations. Three hours first semester. THREE UNITS.

Mathematics 6b. Technical course in mathematical analysis covering methods of analytic geometry. Five hours second semester. FIVE UNITS.

Mathematics 11a-11b. Differential and Integral Calculus. A study of differential and integral calculus and some of its applications to engineering problems. Prerequisite: Mathematics 6b. Three hours throughout the year. THREE UNITS EACH SEMESTER.

Mathematics 12a-12b. The Mathematical Theory of Investment. The application of mathematics to financial transactions: Interest, annuities certain, sinking funds, depreciation, valuation of bonds, amortization of interest-bearing debts, building and loan associations, an introduction to the theory of probabilities and its application to some problems of life insurance and life annuities. Prerequisite: two years of high school algebra or the equivalent. Not given unless six students register for the course. The course will be prefaced by a brief review of quadratic equations, progressions, logarithms, and series. Two hours throughout the year. TWO UNITS EACH SEMESTER.

RIVERSIDE JUNIOR COLLEGE

MECHANIC ARTS

Mr. Wigley
Mr. Moore
Mr. Houghton
Mr. Bull

A spacious, well lighted building is entirely devoted to this department, and the equipment is modern in every respect. The mechanical drawing rooms occupy 3000 square feet of the second floor and are well equipped for machine and architectural drafting. Being in close proximity to the shops, the drawing classes have a very decided advantage for practical work. All courses are intended to develop the greatest possible degree of accuracy, neatness and speed, and a thorough knowledge of the fundamental principles of the language of the engineer.

Students are required to furnish their own drawing instruments.

The woodshop consists of four large rooms; namely, bench, machine, lathe and assembling rooms, covering 5500 square feet, with locker and stock rooms additional. Each student has his own individual bench tools, and access to all the necessary tools for cabinet and pattern making.

The equipment of the woodworking machines includes one 24-inch planer, one 12-inch buzz planer, one 36-inch bandsaw, one universal double arbor circular saw, one swing cut-off saw, one 24-inch drum sander, one hollow chisel mortiser, one drill press and one grinder. Each machine has individual motor.

The lathe room has ten individual motor-driven lathes suitable for all wood turning.

The machine shop equipment consists of six lathes, one planer, one shaper, one universal milling machine, two drill presses, one universal grinder, one power hack saw, two emery grinders, one tempering furnace and one automatic screw and bolt machine.

The forge shop has sixteen down draft forges and one power hammer, and all kinds of auto repair work can be handled in the garage.
The print shop has two job presses, cylinder press, proof press, punch, wire stitcher, paper cutter, a good assortment of type and materials for hand composition, and a complete monotype type-setting and type-casting outfit.

Students should consult instructors in these courses before deciding on their work.

Drawing 1a-1b. Instrumental practice. Use and care of drawing tools; solution of practical geometrical constructions; elements of projection drawing, including orthographic, isometric and oblique projections; mathematical curves; freehand sketching and the mastery of one or more of the standard styles of gothic lettering. Four hours a week throughout the year. TWO UNITS EACH SEMESTER.

Drawing 2a-2b. Mechanical drawing and machine design. Emphasis is placed upon standard drawing conventions, line shading and conventional rendering. Application of projection to the construction of working drawings. Sections, developments, revolutions and intersections, tracing and blue-printing. Four hours throughout the year. TWO UNITS EACH SEMESTER.

Drawing 10a-10b. Prerequisite: course 1a-1b or equivalent. In the course in architectural drawing the student follows the standard practice in making pencil sketch-plans; preliminary studies of the setting, arrangement of distinctive features of the building; problems of heating, lighting, ventilation and drainage; ‘working up’ the scale drawings; designing the exterior and interior details; tracing and blue-printing. Each student makes a complete set of plans and specifications for a typical building and estimates the cost of construction. The elements of perspective sketching and rendering are included in the work in the early part of the course. A minimum of three units per semester is advised for students electing this course.

Forging 1a-1b. This course offers great opportunity for conventional design, to which as much time is given as is possible without detracting from that part of the course dealing with good blacksmithing and tool making. Demonstrations by the instructor and talks regarding fuel, forge, fire and tools, the manufacture of iron and steel and their use in the commercial world, accompany the course throughout. Special attention is paid to the handling of different materials in the fire. Commercial methods, such as the use of rollers, power hammers, etc., are considered. Emphasis is laid upon the processes of hardening, tempering, and welding. Three hours twice a week. TWO UNITS EACH SEMESTER.

Machine Shop 2a-2b. Thorough drill in accurate turning and threading to the micrometers, all work being held to a limit of .0005"; figuring dimensions, choosing stock, and machining to commercial standards in time and quality; designing machines and tools; the workings of different metals, their adaptability, and the effect on them of different speeds and feeds; results of overheating and underheating metals while being prepared for use; the heat treatment of steel in gas furnaces, case hardening, and cyaniding; the proper place for case hardened mild steel and for hardened tool steel; the manufacture of reamers, taps, dies, hobbing tools, and gear cutters; gearing in its different branches. Three hours twice a week. TWO UNITS EACH SEMESTER.

Auto Mechanics 3a-3b. Automobile work; practical course in the general design of motors, their timing, horse power, and construction; special attention to ignition, scoring in and fitting bearings, lining up pistons, fitting rings, and adjusting different makes of carburetors. Three hours twice a week. TWO UNITS EACH SEMESTER.
Woodworking Ia-Ib. Cabinet making and carpentry, including wood turning. Study of woods; growth and strength; care and use of the hand tools used in cabinet making; study of joints as applied in furniture making and house building; proper care and use of the woodworking machines; shop management, including the best arrangement of machines; storing lumber, waste lumber problem, keeping supplies such as sandpaper, oils and paint, nails, tools, etc.; visits to commercial shops. **ONE UNIT PER SEMESTER FOR EACH TWO HOUR LABORATORY PERIOD.**

Woodworking 2a-2b. Pattern making. Relation to industries; essential requirements for successful work; machine designing as regards strength and proper molding; study of foundry methods; inspection of foundries and pattern shops; study of various types of patterns and best construction for same; best materials used in pattern making. This course includes actual construction of patterns and molding of same, together with lecture work. **ONE UNIT PER SEMESTER FOR EACH TWO HOUR LABORATORY PERIOD.**

Printing Ia-Ib. Elementary. Study of the case, printers' appliances and terms; point system; type sizes and styles; fundamental operations in handling type; proofreader's marks; proofreading; English and arithmetic applied to printing; history of printing; pamphlet binding. Six hours throughout the year. **THREE UNITS EACH SEMESTER.**

Printing 2a-2b. Advanced work in composition; laying out and preparing copy; designing; imposition and lockup, job press makeready and feeding; arithmetic; proofreading; history of printing; allied industries. Open to those who have had Printing Ia-Ib or equivalent. Six hours throughout the year. **THREE UNITS EACH SEMESTER.**

Printing 3a-3b. Independent designing and producing of printed matter; cylinder press makeready and feeding; machine composition (monotype keyboard and caster); shop management. Open only to those who have had Printing Ia-Ib and 2a-2b, or their equivalent, or two years of high school printing. Six hours throughout the year. **THREE UNITS EACH SEMESTER.**

Printing 10a-10b. Machine composition. This course is designed for the student who wishes to enter the printing trade as an operator of the monotype keyboard or caster. Open to those of sufficient previous experience, subject to approval of the instructor. Eight hours throughout the year. **FOUR UNITS EACH SEMESTER.**

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

**MAJOR GLASS**

**SERGEANTS COSTELLO, JONES, LOPER, RICHARDSON**

Under the provisions of an Act of Congress passed in June 1916, military training is given in certain educational institutions in the country. This was an enlargement of the Morrill Act of 1863, which required military training for the first two years at all State Colleges which were receiving Federal aid. The school authorities are required to make a bond to cover the value of all uniforms and equipment furnished to the institution. The Government furnishes a competent corps of instructors, and all uniforms and equipment necessary for students. The only requirement from the student is a deposit of $10.00 to cover any possible loss
of equipment or damage to same, other than the ordinary wear and tear of service, and a minimum of three hours a week for military instructions.

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 the student to enter the Officers Reserve Corps; it simply qualifies him for a commission if he so desires. Members of the R. O. T. C. are not subject to call for strike duty or any service in the army.

Graduates of Junior College who have satisfactorily completed two years work in the R. O. T. C. unit at this institution are eligible, on entry into any College maintaining an R. O. T. C. unit, for enrollment in the Advanced Course at such College. While taking the advanced course they will receive from the Government, in addition to their uniforms, a sum of approximately fifteen dollars a month for the full two years.

Military Training 1a-1b. Practical. Three one hour periods per week, to cover infantry drill and combat leadership; gallery practice; care of arms and equipment; first aid and hygiene. ONE UNIT EACH SEMESTER.

Military Training 2a-2b. Theoretical. Two one hour periods per week covering class-room work in infantry drill regulations, army regulations, field service regulations, manual of interior guard duty. ONE UNIT EACH SEMESTER.

Military Training 1a-1b will be voluntary for all students. Military Training 2a-2b will be compulsory for all Junior College students who enroll for Military Training 1a-1b.
RIVERSIDE JUNIOR COLLEGE

POLITICAL SCIENCE and ECONOMICS

MR. PAUL

Political Science 1a-1b. An introduction to the study of government. A study of the origin and nature of the State, and the structure and function of Government. In the second semester a comparative study will be made of typical parliamentary and presidential governments. Two hours throughout the year. TWO UNITS EACH SEMESTER.

Economics 1a-1b. Principles of Economics. A study of the principles of economics, including such fundamental theories as those of value, rent, wages, and profits, with a consideration of the problems of society which arise from existing methods of production and distribution of wealth, such as railways, public ownership, combinations and trusts, socialism, and taxation. Three hours throughout the year. THREE UNITS EACH SEMESTER.

PHYSICAL EDUCATION

MR. WILSON
MRS. MERRIGOLD
MR. CUNNINGHAM

The purposes of these physical education courses are, first: to correct faulty posture and physical irregularities; second: to develop all-around healthy bodies; and third: to teach the individual to conserve his and her health through regular healthful physical exercises. The work in these courses comprises postural training, corrective exercises, folk dances and games for women, and instruction in games and athletics.

All men who are not taking Military Training, and all women, are required to take Physical Education.

Physical Education. Men 1a-1b. Men in this course will be grouped according to ability and given instruction and supervision in organized competition in soccer, playground ball, basketball, base ball, volleyball, and track and field athletics. Prerequisite: Physical Education, Men, 2a-2b. Four hours throughout the year. ONE UNIT EACH SEMESTER.

Physical Education. Men 2a-2b. This course aims to correct faulty posture and to build up undeveloped bodies. Special attention will be given to irregularities in development. When the requirements of this course are met the individual is passed to course 1a-1b. Four hours throughout the year. ONE UNIT EACH SEMESTER.

Physical Education. Athletics. Men 3a-3b. Men who can pass the requirements of Physical Education Men 2a-2b, and can in addition, pass the required thorough physical examination for this course may select this course in place of Physical Education Men 1a-1b. The work of this course will be the developing of the college representative athletic teams. Those enrolled in this course will be under the instruction of the college athletic coaches and trainers. Prerequisite: Physical Education, Men 2a-2b. Five hours throughout the year. ONE UNIT EACH SEMESTER.

Physical Education. Women 5a-5b. General physical education. Open to all women whose physical development does not require the work of course 6a-6b. Body building calisthenics, gymnastic and folk dances, gymnastic games, group and team competition in volleyball, basketball, tennis, and athletic events best adapted to women. Prerequisite: Physical Education, Women 6a-6b. Four hours throughout the year. ONE UNIT EACH SEMESTER.

Physical Education. Women 6a-6b. Special attention is given to postural training and corrective exercises. Additional work in gymnastic and folk dances and gymnastic games. When the requirements of this course are met the individual is passed to course 5a-5b. Four hours throughout the year. ONE UNIT EACH SEMESTER.
RIVERSIDE JUNIOR COLLEGE

SCIENCE

MR. ZUMBRO
MR. ORCUTT
MR. TURNER
MR. EGGLESTON
MR. SENTER
MR. BLISS

Biology 1a. Elementary taxonomic botany. A summary of the plant kingdom, following the evolutionary order of treatment and illustrated by laboratory study of typical representatives of the larger groups of plants. Two lectures and two double laboratory periods each week of the first semester. FOUR UNITS. Atkinson, "College Botany", Henry Holt & Co., recommended text.

Biology 1b. Elementary taxonomic zoology. A summary of the animal kingdom, following the evolutionary order, with laboratory study of typical representatives of the larger groups of animals. Two lectures and two double laboratory periods each week of the second semester. FOUR UNITS. Hegner, "College Zoology," Macmillan Co., recommended text.

Chemistry 1a-1b. This is a course in general chemistry, followed by a course in qualitative analysis. The work embraces the principles underlying chemical processes as well as the analytical and synthetic applications. Class room work occupies three hours and laboratory work four hours per week. This course is required for all advanced work in chemistry and presupposes a course in high school chemistry. FIVE UNITS EACH SEMESTER.

Chemistry 10a-10b. This course deals with quantitative chemical analysis. The work is largely in the laboratory, acquainting the student with the commercial methods of analysis. Two three hour laboratory periods and two conference periods per week are required throughout the year. Prerequisite: Chemistry 1a-1b. FIVE UNITS EACH SEMESTER.

Geology 1a-1b. General geology. Dynamical and structural geology, the first semester; historical geology, the second semester. Lectures, illustrated by laboratory and field exercises, including some practice in the recognition of common minerals, rocks and fossils, and in drawing simple geologic sections and maps. Two lectures, one double laboratory period, and one afternoon field trip each week throughout the year. Chamberlin & Salisbury, "College Geology", Henry Holt & Co., recommended text. FOUR UNITS EACH SEMESTER.

Mineralogy 1b. Elementary mineralogy. Laboratory exercises dealing with the principles of crystallography, blowpipe analysis and determinative mineralogy. Two double laboratory periods each week of the second semester. Dana, "Text-Book of Mineralogy", Wiley & Sons, recommended text. TWO UNITS.

Physics 1a-1b. Mechanics and Heat. Measurements with verniers, microscopes, micrometers and planimeters; energy, power and efficiency of machines; rapid computing with the slide rule; principles of centrifugal devices; harmonic motions; tests of strength and elasticity of materials; tests of velocities and trajectories of rifle bullets; water and gas pressure; pumps and hydraulic rams; tests of gauges, nozzles and water wheels; air pressure machinery; thermal units and their use in engineering; tests of heat value of fuels; conversion of heat into mechanical and electrical energy; efficiency and losses in steam and gas engines; heating and ventilating systems; refrigeration. Prerequisites: high school physics and knowledge of trigonometry. Three one-hour conferences and two hours laboratory work each week. FOUR UNITS EACH SEMESTER.
Physics 2a-2b. Applications of electricity. Laws of circuits; wiring calculations; principles of direct current generators and motors; operation and testing of machines; troubles and repairs; automobile starting and lighting systems; wiring; installation of fixtures and machines; design and construction of electromagnets; electrolysis and batteries; telephone circuits and instruments; principles of alternating currents; induction coils and gas engine ignition; alternating generators; choke coils and transformers; single phase and polyphase currents; condensers and their use in telephony; lagging and leading currents; calculation of power in a.c. circuits; d.c. and a.c. meters; synchronous and induction motors; wireless telegraphy. Admission only by arrangement with the instructor. Three one-hour conferences and three hours laboratory each week. FOUR UNITS EACH SEMESTER.

Physics 10a-10b. Electricity, Sound and Light. Magnetism, electromagnets and their uses; relays and remote control; calculation and measurement of current, voltage, resistance and power in direct current circuits; electric heating; losses and efficiencies of circuits and apparatus; calculation of cost of electric service; bridge measurements; condensers and their uses; thermo-electricity and the pyrometer; lead and nickel-iron storage batteries and their uses; direct and alternating current generators; the induction coil and transformer; automotive ignition; phantom lines; wireless telegraphy; sound, music, light; tests of lamps; principles of illumination; mirrors and reflectors; indirect lighting; lenses and their uses in telescopes, microscopes and cameras; principles and practice of photography; printing, developing, enlarging and slide making; the eye and its defects; spectrume analysis; polarization of light. Prerequisite: Physics 1a-1b, or equivalent. Three one-hour conferences and two hours laboratory each week. FOUR UNITS EACH SEMESTER.

Physiography 1a. General physical geography, dealing with the earth's land and water forms, their origin and development. Prerequisite to all advanced courses in physiography and geography of continents and other special areas. Recommended to students preparing for work in civil engineering, commerce, agriculture and forestry. Lectures, laboratory exercises and occasional field trips. Two lectures and two double-period laboratory exercises each week of the first semester. "Physical Geography", Ginn and Co., recommended text. FOUR UNITS EACH SEMESTER.

FARM MECHANICS

Mr. Wigley  
Mr. Houghton  
Mr. Bliss

A course for students planning to enter agriculture either after one or two years in Junior College or after further work in a college of agriculture. Shop practice and related instruction along the following lines: use and care of tools; building and repair of farm structures and apparatus; concrete construction; estimating costs; blacksmithing; repair of metal appliances; leather work; pipes and plumbing; gas engines; farm machinery; electric wiring; farm lighting units; motors and motor driven machinery; pumps; care and repair of automobiles, tractors and trucks. Four hours each week for two years. TWO UNITS EACH SEMESTER.
PRACTICAL COURSES FOR ENLISTED MEN

MARCH FIELD

Mr. Houghton
Mr. Anderson
Mr. Senter
Mr. Bliss

Physics. Mechanics, energy, power, efficiency, tests of machines, electricity, batteries, motors, generators, line calculations, resistance measurements, light, principles of lenses, color phenomena, optical apparatus. Two two-hour periods each week. ONE HIGH SCHOOL CREDIT OR THREE JUNIOR COLLEGE UNITS.

Mathematics. Review of arithmetic with its application to pulleys, gearing, etc. Review of algebra and geometry. The mathematical study of problems that arise in shop practice. Three two-hour periods in two weeks. ONE HIGH SCHOOL CREDIT OR THREE JUNIOR COLLEGE UNITS.

English. The principles of exposition and argument both oral and written; to which is added a survey of the fundamentals of business writing as exemplified in the business letter. Written themes, oral addresses, outside reading, and classroom discussion. Two one-hour periods each week. ONE HIGH SCHOOL CREDIT OR THREE JUNIOR COLLEGE UNITS.

Machine Shop and Forging. Conventional design, blacksmithing, and tool making. Commercial methods such as the use of rollers, power hammers, etc. Processes of hardening, tempering and welding. Turning and threading to micrometers. Working of different metals. The heat treatment of steel in gas furnaces, case hardening, and cyaniding. The making of steel tools. Gearing. Three two-hour periods in two weeks. ONE HIGH SCHOOL CREDIT OR THREE JUNIOR COLLEGE UNITS.

REGISTRATION

Regular days have been set for registration. Every student is expected to register at this time. Students registering later will be required to pay a fee of one dollar. Students will not be permitted to register for regular courses later than the end of the first college month. Each student is required to present evidence of registration before enrolling in a class and may not drop a subject except upon written permission from the Registrar.

All college bills are payable at the time of registration. Each student will be presented with a registration card which, upon completion of registration and payment of college bills, will be signed by a member of the registration committee and the principal. Students will not be enrolled in courses until the registration cards have been properly signed.

Unless a special permit has been secured from the principal, a student will be required to register for not less than ten semester units. A student may not carry more than nineteen units of work a semester. Military Science or Physical Training not to exceed one unit a semester may be taken in addition to the maximum number of units. Students are urged not to register for heavier courses than they can reasonably carry. A student who fails to pass in eight semester units of work will not be permitted to register in the semester following.

At the beginning of each semester printed schedules will be available to assist students to arrange
suitable programs of studies. Students should avail themselves of the services of the faculty advisers in arranging their programs.

**FACULTY ADVISERS**

The following members of the faculty not only will assist students in arranging their programs of studies but will serve in the capacity of advisers throughout the college year:

- Mr. Anderson
- Mr. Bliss
- Mr. Boardman
- Mr. Houghton
- Miss O'Neill
- Mr. Rea
- Miss Rickard

**CLASSIFICATION**

The class in which a student is to be ranked is determined by the following scale of units, each figure being the minimum for standing in the class named:

- **Freshman**—fifteen entrance credits
- **Sophomores**—twenty-eight college credits

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**RIVERSIDE JUNIOR COLLEGE**

**RECOMMENDED COURSES**

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<th>ENGLISH MAJOR</th>
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<td><strong>FIRST YEAR</strong></td>
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<td>Units per Semester</td>
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<td>English 1a-1b</td>
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<td>Science</td>
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<td>Latin 1a-1b or 2a-2b</td>
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<td>Greek or Mod. lang.</td>
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| **SECOND YEAR** |
| Units per Semester |
| English 10a-10b | 3 |
| Eng. 11a-11b or 12a-12b | 2 |
| Foreign language | 4 |
| Electives | 7 |
| | 16 |

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<th>HISTORY MAJOR</th>
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<td>Economics</td>
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<td>Foreign language</td>
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| **SECOND YEAR** |
| Units per Semester |
| English 10a-10b | 3 |
| History | 3 |
| Foreign language | 4 |
| Electives | 9 |
| | 16 |

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<th>LANGUAGE MAJOR</th>
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| **SECOND YEAR** |
| Units per Semester |
| Latin | 4 |
| Greek or Mod. lang. | 4 |
| Electives | 9 |
| | 17 |

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<th>SCIENCE MAJOR</th>
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<tr>
<td><strong>1ST SEMESTER</strong></td>
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<td>Chemistry 1a-1b</td>
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<td>English 1a-1b</td>
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<p>| <strong>2ND SEMESTER</strong> |
| Units |
| Physics 10a-10b | 4 |
| Chemistry 10a-10b | 5 |
| Mathematics | 3 |
| Biology or Geology | 4 |
| Economics | 3 |
| | 19 |</p>
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<th>Units per Semester</th>
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**CHEMISTRY MAJOR**

**MECHANICAL AND ELECTRICAL ENGINEERING**

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**MINING**

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**TWO-YEAR LIBERAL COURSE**

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TWO-YEAR MECHANICAL COURSE

FIRST YEAR

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SECOND YEAR

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Military or Physical Training is required of all students and confers one unit each semester.

MARKING SYSTEM

For passing work three grades of scholarship are indicated as follows: 1, excellent; 2, satisfactory; 3, passed. For failure to pass also three grades are indicated. Inc., incomplete, denotes that for reasons beyond the student's control some required work of the class has been omitted or unsatisfactory, and that credit will be withheld until the work in question is made up. Con., conditioned, denotes that some portion of the work has been unsatisfactory, but by means of examination or other special assignment the deficiency may be made up and credit for the course eventually given. 5, failure, indicates that the work has been wholly unsatisfactory, and that no credit will be given save upon repetition of the entire course.

RULES GOVERNING ATTENDANCE

A student whose absences from any class equal the number of recitations for one week in that class is required to report to the principal.

A student whose absences from any class equal the number of recitations for two weeks in that class is excluded from the class, and action by the Committee on Rules and Discipline is necessary before he can be reinstated.

Students who absent themselves from the regular formal assemblies shall be deprived of the second limit privileges in all classes in which they are registered; that is, the first limit will carry the second limit penalty.
These absences are meant to cover illness and emergencies; one uses them for other purposes at his own risk.

COLLEGE BILLS

All college bills are payable at the time of registration. Each student is required to pay a student activities fee of one dollar for each semester. This entitles the student to membership in the Student Body of the college, and admission to such junior college athletic contests as are held at the Junior College.

A breakage deposit of five dollars is required for each laboratory course in chemistry and in physics. At the end of the course breakage costs are deducted and the balance of the deposit is returned.

No fee will be refunded after the end of the first college month.

LABORATORY FEES

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<th>Course</th>
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ASSEMBLY

A formal assembly is held each week on Wednesday at ten o'clock in the morning. Every student is required to attend. Eminent men and women are invited to address the students on these occasions, presenting vital present-day topics in a helpful manner. The programs are varied from time to time by the introduction of musical numbers.

THE CAFETERIA

For the convenience of such students as desire it, a fully equipped cafeteria serves luncheon every school day from twelve to one in the basement of the Classics building. This cafeteria is under the management of the college authorities, so that pure food and reasonable prices are assured.

The services of the cafeteria are also available for any sort of entertainment at which food is served, from light evening refreshments to a full college-community banquet.

STUDENT ORGANIZATIONS

The students of the Junior College are organized into the Associated Student Body under the leadership of duly elected student officers and board of control. This Student Body has the direction of all student activities, and social entertainments.

The women students have also an active Junior College Club in connection with the local Y. W. C. A.
STUDENT PUBLICATIONS

The Tequisquite, the Junior College annual, is published in June of each year, and contains pictures, descriptive matter, and original literary compositions of interest to students and alumni. The recent purchase by the Board of Education of a complete monotype outfit and cylinder press will make possible in the near future the publication of a Junior College bulletin and student periodical.

DEBATING

The Junior College is a member of the Southern California Junior College Triangular Debating League, composed of the nine leading junior colleges of the southern part of the state. This league holds three sets of triangular debates each year, the winning team from each of the three sets meeting the two other winning teams in a triangular debate for the championship. Riverside is joined with Chaffey and San Diego.

ATHLETICS

In athletics the Junior College students support teams in baseball, tennis, men's basketball, and women's basketball. The Southern California Junior College Conference, the membership of which is the same as that of the Triangular Debating League, provides the necessary means for intercollegiate competition in these sports.

DRAMATICS

The regular Junior College play, the parts in which are assigned according to the result of a competition open to all students, is presented in December of each year. In addition to this, a more informal vaudeville show is given in the spring.

ASSOCIATED STUDENT BODY OFFICERS

1920-1921

President—Allen Bright
Vice President—Beatrice Sample
Secretary-Treasurer—Helen Hagerty
Debating Manager—Arthur Lyman
Men's Athletic Manager—Leo Morris
Women's Athletic Manager—Bertha Norton
Dramatic Manager—Kenneth Flood
RIVERSIDE JUNIOR COLLEGE

HONOR SOCIETY

OFFICERS
President—Prof. Julius W. Eggleston
Vice President—Dr. J. T. Barrett
Secretary-Treasurer—Miss Dorothy Kincell

1921 CLASS MEMBERS
Marshall Elder
Grace Haymond

ASSOCIATE MEMBERS
Dr. Fred M. Preble
Dr. J. T. Barrett
Dr. E. T. Bartholemew
Dr. H. B. Frost
Dr. H. S. Fawcett
R. S. Vaile
H. J. Quayle
J. W. Eggleston
H. H. Bliss
William Reimer
R. P. Anderson
Mrs. Dorothy C. Merrigold
Miss Marjorie Carpenter
Miss Mabel Van Camp

ACTIVE MEMBERS
Mrs. Faith B. Drobish
Amy Brown
Grace Cutting
Harvey Davison
Madeline Enman
Natalie Goethals
Florence Hansbrough

ASSOCIATE MEMBERS
P. P. Kennedy
Supt. A. N. Wheelock
H. W. Coi
Prin. A. G. Paul
Dr. H. S. Reed
Dr. W. P. Kelley
Mrs. Lucile K. Bartholemew
E. P. Clarke
Mrs. Olive H. Frost
Dr. A. R. C. Haas
S. H. Herrick
Dr. Thomas Card
Ernest L. Rea

RIVERSIDE JUNIOR COLLEGE

CONSTITUTION AND BY-LAWS

ARTICLE 1—NAME
This organization shall be known as the Honor Society of the Riverside Junior College.

ARTICLE 2—OBJECT
The object of the Honor Society is the promotion of scholarship among the students of the Riverside Junior College.

ARTICLE 3—MEMBERSHIP
Section 1—Active Membership. Every student who has been in residence at the Riverside Junior College for not less than three semesters and who has completed forty-five units of college work, not less than twenty-five of which have been marked with the highest grade (this twenty-five units shall not include vocational subjects, physical training or military science) shall be admitted to active membership in the society upon the recommendation of the faculty of the Riverside Junior College and upon signing this constitution.

Section 2—Associate Membership. Members of Phi Beta Kappa and Sigma Xi and any person who is a graduate of a standard college or university and is a member of the scholarship honor society of that college or university, providing the scholarship standards of the society equal those of the Phi Beta Kappa or Sigma Xi, or any person who has achieved academic distinction may be elected by the society upon recommendation of the executive committee of the society to associate membership. Associate members shall enjoy all the privileges of active members.

Section 3—Election to membership. Election to membership may take place at any regular meeting of the society.

ARTICLE 4—OFFICERS
The officers of this society shall be president, vice president and secretary-treasurer. These officers shall perform the duties usually devolving upon such officers, and shall constitute the executive committee. The officers shall be elected at the annual meeting of the society.
ARTICLE 5—MEETINGS

Section 1. The annual meeting of the society shall be held on the evening of the third Tuesday in February.

Section 2. Special meetings may be called at the discretion of the president upon due notice and statement of business to be transacted.

ARTICLE 6—AMENDMENTS

This constitution may be amended at any meeting of the society by a two-thirds vote of the members present.

STUDENTS GRANTED JUNIOR CERTIFICATE

CLASS OF 1918

Ruth C. Anderson
Amy Brown
Wakefield B. Byrkit
Madeline Emman
Florence Hanabrough
Blanche Hess
Grace Cutting

Dorothy Kinell
Harvey Davison
Verda Manners
Ida Michelbacher
Frances A. Tetley
Alta Thomas
Myrdy Waldman
Marjorie M. Wright

CLASS OF 1919

Mary Herdeg
Earl McCurdy
Florence Polkinghorn

CLASS OF 1920

Mildred Bennett
Grace M. Briggs
Ruby M. Chanslor
Dorothy Collins
Natalie A. Goethals
Ethel E. Martin
Mildred E. Martin
Mary McCoy
Alice E. Pann

Marion B. Potter
Edna V. Scott
Laura Jane Sevaly
Marian Shaver
Florence Stone
Fannie A. Thompson
Ernest White
Rosalie A. Wilson
Margaret Younglove

Margaret Stewart
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Holton, Homer Alpaugh
Holton, Stella Alpaugh
*Hubbard, Helen Deming, N.M.
Hunt, Emilia Girls High
*Hunter, Pearl Girls High
Hurley, Dora R. Girls High
Irwin, Emmett M. Polytechnic
James, David Polytechnic
*Jones, Helen Girls High, Berkeley
Kerslake, George L. Sioux Falls, So. Dak.

Knight, Boswell Polytechnic
Lane, John Lincoln High School, Los Angeles
Lilbridge, Percy Corona
Ludwig, Lucile Banning
*Lyman, Arthur L. Colton
Lyman, Lucile Girls High
McCunn, Jean L. A. Normal
McCoy, Dorris Girls High
McKenney, Ralph Federal Board of Vocational Tr.
Manning, Janice E. Girls High
Martin, Gertrude F. Osawatomie, Kansas, Univ. of Mo.

*Mathews, Alice M. Girls High
*Mills, Josephine Girls High
Morgan, Avis Girls High
*Morgan, Van Polytechnic
*Morris, Leo N. Polytechnic, Whittier
*Newell, Juanita Girls High
Norton, Bertha Kansas City, Mo.
O'Toole Marie Hemet
Page, Dauphine M. Corona, U. S. C.
Pagel, Gwendolyn Long Beach
Pann, Emerson Polytechnic
*Pann, Karl H. Polytechnic
*Parker, Violet Forest Park College, St. Louis, Mo.

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