Announcement
of the
Riverside Junior College
Riverside, California

FOR THE SCHOOL YEAR
NINETEEN HUNDRED SIXTEEN

Riverside City College Library
Riverside, California
To Labor

Whoever is satisfied with what he does has reached his culminating point; he will progress no more. Man's destiny is not to be satisfied, but forever unsatisfied—not to succeed, but to labor.
Riverside Junior College
Riverside, California

GENERAL INFORMATION

The Riverside Junior College, established by the Board of Education at its March meeting, will open September 25, 1916.

Admission will be granted to all graduates of regular four year high school courses. Those who are not qualified to register as regular students may be admitted to such courses as their previous training indicates they may pursue with profit. Sixteen units of work constitute a full semester's work. A unit is the equivalent of one hour recitation or lecture period per week for one semester. Laboratory courses require additional time per unit credit. The number of weekly periods is indicated after each subject listed. All periods are sixty minutes long.

The work offered will be the equivalent of the first two years of college work. Students have the advantage of small classes, thus securing individual attention. The work will also provide advanced and specialized courses of instruction, vocational in character, which will be complete in themselves.

Extensive additions are being made to the library.
and the laboratories in order that the work may be of acceptable college grade. As far as possible the Junior College students will be provided with separate class rooms, laboratories and study hall. Students who satisfactorily complete sixty-four units of work in the Junior College will be admitted to Junior standing in the University. Students whose work is unsatisfactory by reason of lack of diligence may at any time be required to withdraw, and those who do not maintain a passing grade in at least half of their duly registered work in any semester will be dropped from the roll.

A fee will be charged for laboratory and shop courses. The University of California requires that in order to receive credit for Junior College work a student must have graduated from an accredited high school before undertaking Junior College work.

AGRICULTURE

Agriculture—Agronomy. Studies made of the types and varieties of cereals, forage, truck, and root crops suited to the locality; methods of growing, handling, and improving the crops, their requirements as to soils, fertilizers, and water, and methods for improving them. Laboratory work will consist of botanical studies of the plants grown, testing the purity of seeds, and judging and grading them for market purposes.

In the field the crops will be grown on a commercial basis. Tests will be made of fertilizers, irrigation, and cultural methods. Seed will be selected for further planting.

Three recitations, two laboratory periods per week. 5 units each semester.

COMMERCIAL

Shorthand I—This course will cover the basic principles in the Gregg Manual and the reading of shorthand plates in the Gregg Writer. Five hours a week with outside preparation. University of California will accept this work to apply on degree in College of Commerce. 5 units each semester.

Typewriting I—Five hours a week, throughout the year covering the text-book. No outside preparation required. 2 units each semester.
Typewriting II—Five hours a week throughout the year without outside preparation. Transcribing from shorthand notes. Elementary shorthand pre-requisite to this course. 2 units each semester.

Accounting—A year's work affording the student an intelligent application of the debit and credit principles relating to double entry book-keeping, and familiarity with best business customs and practices, as well as business forms and papers. Additional drills and lectures lead up to auditing and expert accountancy, as well as ultimate preparation for certified public accountancy. Ten hours each semester. 5 units each semester.

ENGLISH

English—Rhetoric and Composition. English composition covering narration, exposition and description. Long and short themes supplemented by the study of masterpieces. Emphasis on narration the first semester, emphasis on exposition the second semester. Three hours each semester. 3 units each semester.

GERMAN

German I—A course for beginners. Elementary grammar and prose composition. Special training in pronunciation and simple conversational German. Reading of about 400 pages of easy German prose with conversational exercises and oral composition based on the texts read. Three hours each semester. 3 units each semester.

German II—A course for those students who have had two years of high school German. A review of German grammar. Composition based on Bacon's Composition and on the texts read; reading of about 400 pages of modern fiction and Schiller's Wilhelm Tell; technical German and conversational exercises and themes in German throughout the year. Three hours each semester. 3 units each semester.

HISTORY

History I—Modern European History. History of Europe since 1815. Growth of European nationalities. Three hours throughout the year. 3 units each semester.

History I A—History of the Southwest. A study of the growth and development of the southwestern part of the United States. Three hours throughout the year. 3 units each semester.

LATIN

Latin—Cicero's Essay on Old Age, Horace's Odes and Epodes, and either selected letters of Pliny or one of the Plays of Terence. Dramatic representations will constitute a considerable part of the year's work. In composition there will be a systematic study of grammar and style based on the works read. Original narrations and dialogues will be submitted. Sight translation and conversational exercises will parallel the work in composition. Four hours each semester. 4 units each semester.
LOGIC

Elementary Logic—The principles of deductive and inductive logic, with special reference to certain forms of fallacy. Three hours throughout the year. 3 units each semester.

MATHEMATICS

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.

The courses offered are of two kinds; the one, for those who expect to pursue some line of engineering as a profession, the other for those who desire to get a clear insight into the ideas and methods of higher mathematics without acquiring the wide knowledge of detail and skill in technique needed by the engineer.

It is desirable that students consult with those in charge of courses before registering.

Mathematics IA—College Algebra and Analytic Geometry. Open only to students with three years of high school mathematics. Solid Geometry is not required but it is a desirable asset. Five hours each semester. 5 units each semester.

Mathematics IB—Elementary analysis. Open to students with at least two years of high school mathematics. Provision will be made to include the necessary trigonometry in this course. Five hours each semester. 5 units each semester.

MECHANICAL DRAWING

Drawing I—Instrumental drawing. Use of instruments, solving of geometrical problems, construction of mathematical curves, lettering. Three hours each semester. 1 unit each semester.

Drawing II—Descriptive Geometry. The fundamental problems on point, line and plane. Intersections; warped surfaces; application to contours; axonometry; shadows, shades and perspectives. Six hours each semester. 3 units each semester. Pre-requisite—Drawing I or equivalent.

POLITICAL ECONOMY

Political Economy—Outlines of Economics. Practical lectures and essays. Three hours per week each semester. 3 units each semester.

SCIENCE

Chemistry—General Inorganic Chemistry. Lectures, experimental illustrations and laboratory. The laboratory work is qualitative analysis. Three lectures and two laboratory periods per week throughout the year. 5 units each semester. Pre-requisite—matriculation Chemistry.

Physics—Mechanics, properties of matter and heat. Special emphasis will be laid on the practical side of the subject. Three recitations and one laboratory period throughout the year. 3 units each semester. Pre-requisite—matriculation Physics.
SHOP WORK

The wood shop is fully equipped with the latest types of wood working machinery with individual motor drive; universal double arbor circular saw, band saw, jointer, surfacer, swing cut-off saw, hollow chisel mortiser, and sander, as well as hand tools. The machine shop is equipped with engine lathes, milling machines, planer, shaper, power hack-saw, dry and wet grinders, and tempering forge. The forge shop is equipped with sixteen down draft forges with necessary tools.

These courses, while satisfying engineering requirements, are also vocational.

**Shop I—Wood working.**
- Pattern making, furniture construction.
- Six hours each semester. Two units each semester.

**Shop II—Iron working.**
- Forging, machine shop work, materials.
- Six hours each semester. 2 units each semester.

SPANISH

**Spanish I—**Grammar, composition, and reading of simple modern prose. This course is intended for those who have never studied Spanish. Three Six hours each semester. 2 units each semester.

**Spanish II—**Advanced grammar, composition, reading of modern novels and plays. Assigned readings, also, to be done outside of class. This course for students who have had Spanish I or its equivalent. Three hours each semester. 3 units each semester.

SURVEYING

**Surveying I—**Surveying theory. Methods employed in topographic, land, city, mining, and hydrographic surveys, and in making maps and calculations from field notes.

Field practice and mapping. Special problems in the field, illustrating the adjustment of instruments, the use of chain, level, transit, and plane table. Special problems in the drafting room illustrating the methods of making maps from field notes. Two hours lecture and recitation and three hours field work each semester. 3 units each semester.