RIVERSIDE JUNIOR COLLEGE DISTRICT

Board of Trustees, 1964-65

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Alan D. Pauw, Vice-President
Dr. Wilfred Airey, Clerk
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Ralph H. Bradshaw, Superintendent

RIVERSIDE CITY COLLEGE

Administrative Staff

Ralph H. Bradshaw, President
John C. Ohmen, Administrative Dean and Dean of Admissions
Mrs. Mary E. Wallace, Acting Dean of Instruction
Leonard Metcalf, Dean of Student Activities and Dean of Men
James K. Duncan, Dean of Extended Day and Summer Sessions
John Matulich, Associate Dean of Admissions
Kenneth S. Wheeler, Business Manager
Dale K. Bragg, Administrative Consultant, Campus Planning

CATALOG

APRIL, 1965

RIVERSIDE City College

Two-Year Collegiate Institution
3650 Fairfax Avenue
Riverside, California

Announcements for 1965-1966
Riverside City College Bulletin
Inside Front Cover  BOARD OF TRUSTEES AND
ADMINISTRATIVE STAFF

5  COLLEGE CALENDAR

7  THE COLLEGE
   9  Philosophy of the College
   9  College Objectives
  10  Accreditation
  10  College Memberships
  10  History and Growth
  12  Community Services
  12  Buildings and Facilities

17  GENERAL INFORMATION
  19  College Year
  19  Summer Sessions
  19  Who May Attend
  19  Admission and Registration of Day Students
  24  Requirements for College Transfer
  27  State Vocational Rehabilitation
  27  Program for the Deaf
  27  Veterans Education
  27  Enrollment of Extended Day Students
  29  Associate in Arts Degree
  30  Scholastic Honors at Graduation
  30  Classification of Students
  31  Study List Regulations
  31  Grading System

32  Program Changes
33  Auditing
33  Probation
34  Attendance
34  Change of Address
34  Transcript Requests

35  STUDENT LIFE
  37  Counseling Center
  37  Student Services
  38  Loans and Scholarships
  42  Riverside City College Awards
  43  Honor Awards
  43  Student Government
  44  Organizations
  44  Social Events
  45  Athletics
  46  The Arts
  46  Publications
  46  Discipline

47  CURRICULAR PATTERNS
  49  Two-year Occupational-technical Programs
  57  Curricular Patterns for Transfer

69  COURSES OF INSTRUCTION

151  FACULTY

166  INDEX
# School Calendar – 1965-1966

**June 21 - July 30, 1965**

<table>
<thead>
<tr>
<th>1965</th>
<th>S</th>
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### COLLEGE CALENDAR 1965-1966

#### Administration of Tests

- **Test Schedule on Page 22**

#### Summer Sessions 1965

- **June 1, 1965**: Summer session registration
- **June 18**: Summer sessions begin
- **June 21**: Mon.: Legal holiday (classes will be made up on July 9, and July 10)
- **July 5**: Mon.: Six week summer session ends
- **August 6**: Fri.: Cosmetology summer session ends
- **August 13**: Fri.: Eight week summer session ends
- **September 10**: Fri.: Licensed Vocational Nursing summer session ends

#### Program Counseling and Registration

- **April 19** - June 4, 1965: Program counseling for continuing day students
- **July 26**: Mon.: Program counseling for all students (continuing students, new students, and extended day students)
- **August 30**: Mon.: Last day to file application for admission
- **September 1**: Wed.: Last testing day to qualify for program counseling
- **September 8**: Wed.: Late registration
- **September 10**: Fri.: Orientation for all new students

#### Fall Semester 1965

- **September 13**: Mon.: Classes begin
- **September 15**: Wed.: Fall Convocation
- **October 1**: Fri.: Last day to drop without penalty classes which have three-week drop deadline
- **November 5**: Fri.: Last day to drop without penalty classes which have eight-week drop deadline
- **November 11**: Thurs.: Veteran's Day (legal holiday)
- **November 12**: Fri.: Mid-term grade reports
- **November 13**: Sat.: Begin testing of new students for spring semester (See schedule of tests)
- **November 22**: Mon.: Program counseling for returning students
- **Jan. 26, 1966**: Wed.: Thanksgiving recess
<table>
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<th>Date</th>
<th>Day</th>
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<tr>
<td>December 20</td>
<td>Mon.</td>
<td>Christmas recess begins</td>
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<tr>
<td>December 20- Jan. 26</td>
<td></td>
<td>Program counseling for new students</td>
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<tr>
<td>January 3</td>
<td>Mon.</td>
<td>Classes resume</td>
</tr>
<tr>
<td>January 7</td>
<td>Fri.</td>
<td>Courses may not be dropped after this date</td>
</tr>
<tr>
<td>January 21-28</td>
<td></td>
<td>Semester examinations</td>
</tr>
<tr>
<td>January 21</td>
<td>Fri.</td>
<td>Last day to file application for admission for spring semester</td>
</tr>
<tr>
<td>January 22</td>
<td>Sat.</td>
<td>Last testing day to qualify for spring program counseling</td>
</tr>
<tr>
<td>January 26</td>
<td>Wed.</td>
<td>Registration ends</td>
</tr>
<tr>
<td>January 28</td>
<td>Fri.</td>
<td>Late registration</td>
</tr>
<tr>
<td>January 29</td>
<td>Sat.</td>
<td>End of fall semester</td>
</tr>
<tr>
<td>January 31- Feb. 1</td>
<td>Mon.-Tues.</td>
<td>College recess</td>
</tr>
<tr>
<td>February 2</td>
<td>Wed.</td>
<td>Orientation for all new students</td>
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**Spring Semester 1966**

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<tr>
<td>February 3</td>
<td>Thurs.</td>
<td>Classes begin</td>
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<tr>
<td>February 22</td>
<td>Tues.</td>
<td>Washington's Birthday (legal holiday)</td>
</tr>
<tr>
<td>February 25</td>
<td>Fri.</td>
<td>Last day to drop without penalty classes which have a three-week drop deadline</td>
</tr>
<tr>
<td>April 1</td>
<td>Fri.</td>
<td>Last day to drop without penalty classes which have eight-week drop deadline</td>
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<tr>
<td>April 11-15</td>
<td>Mon.-Fri.</td>
<td>Spring recess</td>
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<tr>
<td>April 15</td>
<td>Fri.</td>
<td>Mid-term grade reports</td>
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<tr>
<td>April 16</td>
<td>Sat.</td>
<td>Begin testing of new students for fall semester (See schedule of tests)</td>
</tr>
<tr>
<td>April 18</td>
<td>Mon.</td>
<td>Program counseling for returning students begins</td>
</tr>
<tr>
<td>May 20</td>
<td>Fri.</td>
<td>Courses may not be dropped after this date</td>
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<tr>
<td>May 30</td>
<td>Mon.</td>
<td>Memorial Day (legal holiday)</td>
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<tr>
<td>June 6</td>
<td>Mon.</td>
<td>Program counseling for returning students ends</td>
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<tr>
<td>June 7-14</td>
<td>Tues.</td>
<td>Semester examinations</td>
</tr>
<tr>
<td>June 15</td>
<td>Wed.</td>
<td>Commencement, end of Spring Semester</td>
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**Summer Session 1966**

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<td>June 20, 1966</td>
<td>Mon.</td>
<td>Summer Sessions begin</td>
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The College

PHILOSOPHY OF THE COLLEGE

Riverside City College is a public junior college and thus an integral part of the California state system of higher education. As such, and in keeping with policies endorsed by both the state legislature and its own Board of Trustees, the College exists to serve members of its community who are high school graduates or who are more than eighteen years of age, and capable of profiting from appropriate instruction, and who diligently seek an education. For these it aims to provide a balanced program which leads to transfer with advanced standing to four-year colleges and universities, specialized training which increases vocational competence, and a general education which fosters personal growth and effective citizenship in the home and in the community.

COLLEGE OBJECTIVES

Because it is locally controlled, the College enjoys a flexibility that permits it to achieve its ends through methods appropriate to changing conditions in its community. Not only is it receptive to the suggestions which result from these local ties, but it likewise endeavors to anticipate other needs and to be ready to meet them as they develop.

The people of the Riverside Junior College District make these educational opportunities available at a minimum cost to the student because of the conviction that the fullest possible development of each individual's abilities is essential to the welfare of the local community and of the state and nation.

To accomplish these objectives, the college recognizes five purposes:

Occupational - Technical Education

Training should be given to those students who will finish their period of formal education in the junior college. This training should be designed to achieve basic occupational-technical competence and to give opportunities to achieve civic competence and personal adequacy of living.

General Education

Every junior college student should be given that education which will prepare him to function effectively as an individual and as a member of his family, his community, his state, his nation, and his world.

College Transfer

Each junior college should provide lower division or the first two years of college work for those students who plan transfer to a four-year college or university after completing two years in junior college. This education should be broad enough to include the lower division requirements in the liberal arts and in scientific, engineering, and other professional fields. As an integral part of the state system of higher
education, the college aims to satisfy the lower division requirements of the University of California and state colleges.

Guidance

It is the specific responsibility of every junior college to assist its students to discover their own capabilities and limitations. A program of education and guidance should be provided so that every student may discover his aptitudes, choose a life work, and prepare for the successful pursuit of such work.

Community Service

Every junior college should cooperate with other public educational institutions in providing instruction to meet the needs of all people living in the community. This program is carried on primarily through college Extended Day classes. It includes occupational-technical and general education as well as lower division college work.

ACCREDITATION

Riverside City College is fully accredited as a two-year, degree-granting institution by the Western Association of Schools and Colleges, one of the seven national accrediting agencies. Colleges and universities give full credit for equivalent courses taken at Riverside City College. The college also has been approved by the Veterans Administration, the State Board of Education, and the State Department of Education.

COLLEGE MEMBERSHIPS

Riverside City College holds memberships in the California Junior College Association, and the American Junior College Association.

HISTORY AND GROWTH

Riverside City College was founded March 13, 1916, in response to a general petition of the electors. The City Board of Education authorized the introduction of junior college courses in Polytechnic High School. Beginning with the first year, there were one-hundred students who experienced the opportunity of going on to college. Twenty-four courses were offered.

On May 27, 1921, the California legislature passed the Junior College Act, which authorized the formation of junior college districts. In accordance with this act, and by the authority of the State Board of Education, the Riverside Junior College District was formed. Property was purchased by the Board of Education and college classes were held in Gage Hall.

For nearly fifty years the Riverside City Board of Education served as trustees for the College. With the unification of the Riverside City School District a separate Board of Trustees to serve the college was elected and officially began its duties July 1, 1964.

The college district now includes Alvord, Jurupa, Moreno Valley and Riverside Unified School Districts. The College receives its financial support from a district tax supplemented by state funds on
an average daily attendance basis.

From 1922-1962, bonds were passed which have given the College its present physical plant on a separate campus, with its own library and laboratories, and its own faculty.

In the years 1922-1927 the basis for the Quadrangle began to take shape. In 1946 plans were developed for its completion.

The college physical education facilities were completed in 1953. The Cosmetology Building opened its new facilities to students in 1958. The Administration Building with a complex of large lecture classrooms was added in 1958. In 1963 the development of a master plan for the College was authorized.

On February 3, 1964, the Board of Trustees authorized the purchase of land in the Arlington area for a second campus site.

Enrollment in the fall of 1964 was approximately 3,000 daytime students and there were 113 full-time faculty members. By the spring of 1965 plans were being drawn for a new library, two science classroom buildings, and a student service center, and a master plan for further development of the enlarged City College campus was under study.

The name of the college has changed three times. The first name was Riverside Junior College. Then it was changed to Riverside College, and now it is Riverside City College.

The college's presidents have contributed immeasurably to its growth. These have been Mr. Hugh Law, 1916-1919; Mr. Donald McAlpine, 1919-1930; Mr. Arthur C. Paul, 1930-1950; and Mr. O. W. Noble, who served 1950-1963. Now serving as president is Mr. Ralph Bradshaw.

COMMUNITY SERVICES

Service to the community is an important function of all junior colleges. An important part of this service is providing the public with information about the college and the activities of its students. At Riverside City College this is the responsibility of the Public Information Office, which is located in a small building at the rear of 4810 Riverside Avenue. Student groups are assisted in securing newspaper and radio publicity, and news releases about other college developments are distributed regularly. This office also prepares a number of publications describing the college and its curricular programs. It also serves as a booking office for the college's speakers bureau, which lists faculty members who are prepared to speak on a variety of topics. The college serves in other ways, as well, providing a number of dramatic and musical programs, making its auditorium and other facilities available for the use of responsible organizations in the community, providing guidance materials to junior and senior high schools in the area, and conducting a high school journalism day and other special programs.

BUILDINGS AND FACILITIES

Administration Building

The Administration Building has a complex of six lecture rooms...
Electronics Shop

Electronics shop and classroom facilities, originally located in the College's steel building on Saunders Street, will be moved as soon as possible to facilities vacated by Polytechnic High School on its former campus. It is expected that this transfer will be completed during the summer or early in the fall semester.

Graphic Arts Laboratory

It is expected that during the summer or early fall graphic arts facilities will be moved from their original location in the Applied Arts Building on the former Polytechnic High School campus to the shop building vacated when the high school moves out.

With the aid of federal funds, graphic arts laboratory equipment has been expanded and modernized considerably in the last few years. In its composing room, the College has Linotype and Ludlow typograph stripcasting and remelting equipment. In the pressroom are a Heidelberg and three Chandler and Price platen presses, a Heidelberg Cylinder, a Miehle Vertical, a Heidelberg offset press and a Multilith A B Dick, and a Chief 15 offset duplicator. Other lithography equipment includes a Varityper composing machine, a Headliner display machine, a Robertson 320 copy camera, darkroom, enlarger, plate maker, and stripping tables.

Auxiliary instruction includes the use of silk screen process, rubber stamp making, dry mounting, hot stamping, and plastic binding equipment.

Nursing Offices and Laboratories

A laboratory equipped with nine nursing care units for demonstration and practice is located on the second floor of the Quadrangle Building. Special supplies and equipment for the practice of basic nursing skills are provided.

Across the driveway from the Quad, a private home has been converted into faculty and secretary offices. It serves as a communications center for all activities related to nursing classes and laboratories, many of which are held in such off-campus facilities as Riverside Community and Riverside General Hospitals as well as Patton State Hospital in San Bernadino.

Physical Education

The College acquired Wheelock Gymnasium and Field when it purchased the Polytechnic High School campus, and it is planned that these facilities will be utilized chiefly by the men's physical education department for class instruction and inter-collegiate athletics. The women's physical education department will concentrate its activities in the former College gymnasium on Saunders Street.

Police Science

In addition to its facilities on campus, the College has available for its specialized police science courses the Riverside County Sheriff's Academy. This is located approximately five miles from the main campus. Facilities include a firing range, an auditorium, three classrooms, kitchen, dining room, and accommodations for up to sixty resident students.

Biological Laboratories

All the biological laboratories have been completely modernized recently under N.D.E.A. funds. Facilities include a greenhouse and a number of micro-projectors. Each student has the use of a microscope, and models and charts and preserved and living specimens are available to all students.

Data Processing Education Center

Data Processing Education Center is located in the lower level of the Quadrangle Building. The facilities presently include an IBM 1620 computer, 1622 card read/punch, two 1311 disk storage units capable of storing four million characters of data, a 1940 on-line printer, two 026 keypunches, four 024 keypunches, one 056 verifier, one 402 accounting machine, one 082 sorter, one 514 reproducer-summary punch, and one 087 collator.

The laboratory and facilities are open for any bona fide educational use during the days and the evenings.

Foreign Language Laboratory

The College has a modern language laboratory designed to accommodate as many as thirty students simultaneously. The individual student booths are served from a five-channel program console. All booths are equipped with listen-response amplifiers, and several have the additional advantage of dual track recording equipment.

Journalism

Journalism facilities include a newsroom, offset copy preparation equipment, photography equipment, two darkrooms, and other facilities for production of a weekly newspaper (Tiger Times), a monthly news magazine (Nightimes), and a yearbook (Tequesquite).

Library

A new library has first priority in the current building program of the college. Plans are now being drawn for a building which will
cover 40,230 square feet. It will at least temporarily house the college's listening rooms and other audio-visual facilities.

The present library is located on the Terracina Avenue side of the Quadrangle. Its collection includes more than 30,000 books, 325 current periodicals, 1,800 reels of microfilm, and 1,900 pamphlets. Its indoor and outdoor study facilities can accommodate 281 students. The library staff, which includes four professional librarians, will always be glad to offer students and faculty individual assistance.

The services of the College library are available to students and residents of this area without charge. Students have free access to any of the books and magazines in the collection and are encouraged to use the library for their recreational reading as well as for academic pursuits. The circulation period is flexible and is determined by the demand for the material in question. Usual loans are for two weeks but shorter periods may be required for assigned reading in limited materials. Longer loans may be made upon request. Borrowers are held responsible for any library materials which are lost while in their care.

Music

Music equipment includes a Steinway grand piano, a Chickering grand piano, eight upright studio pianos, two stereo sound systems, a special room equipped for earphone listening, a large library of choral, opera, oratorio, cantata, piano, instrumental, and vocal scores, and a constantly increasing library of recordings.

The College has an electropneumatic pipe organ whose two divisions include seven ranks (both flue and reed pipes) and tubular chimes. Both chambers are under expression.

Memorial Chimes

The automatic Westminster chimes are dedicated to former students who gave their lives in World War II. They were acquired after a fund raising campaign by the Associated Student Body in 1946-47. Businessmen and other citizens contributed generously to the first World War II memorial in the City of Riverside.

Physical Science Laboratories

With the help of National Defense Education Act funds, science laboratories have in recent years been completely modernized. Special chemical facilities include Mettler balances and other especially designed laboratory equipment. In the engineering laboratory, recent additions have been heat treating equipment and a metallographic grinder, a cut-off machine, and a cooling system augmenting the college's tensile testing equipment. New equipment in the physics laboratory includes such instruments as a micro-wave transmitter and receiver and radiation detectors with mounts and decade scalers.

Reading Laboratory

The College maintains two especially equipped rooms for reading improvement and developmental reading classes. Film projectors, pacers, the tachistoscope, the controlled reader, and practice books and materials are available for classroom use in helping students to read more efficiently.
General Information

COLLEGE YEAR
The college year consists of fall and spring semesters of eighteen weeks each.

SUMMER SESSIONS
Summer session classes for 1965 will be held for six-weeks, with longer sessions for some curricula. Qualified high school students may enroll in college summer sessions prior to entering the twelfth grade. Arrangements are made through the high school principal.

WHO MAY ATTEND
Residents of the District
Any graduate of an accredited high school (or any person who has passed his eighteenth birthday and who can profit from instruction and whose legal residence is in the Riverside Junior College District or not in any other California junior college district) will be admitted provided he completes the matriculation requirements.

High School Students Attending City College
Outstanding high school students who qualify on the basis of their scholastic records may be eligible to attend City College classes for credit after completing the eleventh grade. Arrangements for entrance into this program are made through high school principals.

Out-of-District
A student whose legal residence is in another junior college district must present a release from that district before he may enroll at Riverside City College.

Out-of-State and Out-of-Country Students
State law requires payment of tuition of $10.30 per unit up to 15 units. Information may be secured from the Admissions Office. Tuition for out-of-country students will be determined by the Board of Trustees. Information may be secured from the Admissions Office.

ADMISSION AND REGISTRATION OF DAY STUDENTS
Application
Official application forms may be obtained by calling in person or by writing to the Admissions Office of Riverside City College, 3650 Fairfax Avenue, Riverside, California 92506. Applications will be accepted after April 1, 1965, but they must be received by the Admissions Office not later than noon, Monday, August 30. Applicants who file after that date will be considered for late registration only. Applicants for the spring semester should check the College Calendar, pages 5-6, for registration dates.

Transcripts
It is the responsibility of the applicant to have official transcripts of high school and all previous college records on file in the Admissions Office as early as possible after the current semester's work has been completed. These transcripts must be received before an appointment for registration counseling can be made.
Health Requirements

Prior to admission all students except those 21 years of age or older who are enrolling for less than 10 class hours per week must have begun a series of polio immunization shots. This series must be completed by the end of the year. In addition, prior to admission, students must present evidence that they do not have active tuberculosis. This may be done without charge through tuberculin skin tests provided by the Riverside County Department of Public Health. A chest x-ray from a physician or from the Mobile Unit will also meet this requirement.

It is recommended that each student new to Riverside City College have a physical examination by his family physician before he enrolls. A health information card will be completed by each student at the time of registration. Hearing and eye screening tests are also administered during the registration period.

Students who plan to participate in intercollegiate athletics are given a physical examination by the College medical staff. Cases needing further attention are referred to the physician or medical service of the student’s choice.

Test Permits

A test permit is issued as soon as an application for admission is filed. To insure a reservation for a given test, the student should have his application on file at least one week before the test is scheduled. See Test Schedule, page 22. If the test permit is issued by mail it is the student’s responsibility to complete and return the stub by mail.

Counseling Examinations

General College Aptitude Test

All students entering Riverside City College are required to take two tests. One is a general college aptitude test that measures verbal and quantitative abilities. The other is an English test which measures reading ability and effectiveness of expression. The information obtained from these tests is used in counseling students and planning programs. Although no student is denied admission to the college on the basis of the test results, the scores are used by several divisions in determining qualifications to enter individual courses.

The test battery includes a measure of arithmetic competence. A student who does not receive a satisfactory score on this test will be required to complete a mathematics course at the college before an A.A. degree can be awarded.

Qualification for English 1A

All students who wish to qualify for English composition, 1A, or certain social science courses (e.g., history, political science) must qualify by test scores. Students who fail to qualify are advised to register in an appropriate course that will help them qualify (e.g., English 50A for the student trying to qualify for English 1A; English 51R for social science qualification). After enrolling in the appropriate course or courses, the student may repeat all or part of the test battery not more than one time without special permission from the Counseling Center. If after completing the appropriate course or courses and repeating the test battery the student still does not qualify for the desired course, he has the right to petition through his English 50A or 51R instructor and the Chairman of the English Division.

Testing Schedule for April, 1965 to June, 1966

Students are advised to reserve at least four hours for the complete test battery. The Administration building is not open on Saturdays. Students must secure test permits prior to Saturday in order to be admitted to the test.

Beauty abounds, even on a crowded campus.
**Tentative Test Schedule**

(For Fall Semester, 1965)

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Year</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Saturday</td>
<td>April 17</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>May 8</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Monday</td>
<td>May 17</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>May 22</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Thursday</td>
<td>May 27</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>June 5</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Wednesday</td>
<td>June 9</td>
<td>1965</td>
<td>6 P.M.</td>
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<tr>
<td>Saturday</td>
<td>June 12</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Tuesday</td>
<td>June 15</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>June 19</td>
<td>1965</td>
<td>1 P.M.</td>
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<tr>
<td>Saturday</td>
<td>July 3</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Saturday</td>
<td>July 17</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>July 24</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Monday</td>
<td>August 2</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>August 4</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Tuesday</td>
<td>August 10</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>August 11</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>August 14</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Wednesday</td>
<td>August 18</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>August 21</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>August 25</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Thursday</td>
<td>August 26</td>
<td>1965</td>
<td>6 P.M.</td>
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<tr>
<td>Wednesday</td>
<td>September 1</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Thursday</td>
<td>September 2</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>September 7</td>
<td>1965</td>
<td>6 P.M.</td>
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</table>

(For Spring Semester, 1966)

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Year</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Saturday</td>
<td>November 13</td>
<td>1965</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Thursday</td>
<td>December 9</td>
<td>1965</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>December 18</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Wednesday</td>
<td>December 22</td>
<td>1965</td>
<td>9 A.M.</td>
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<tr>
<td>Monday</td>
<td>January 3</td>
<td>1966</td>
<td>6 P.M.</td>
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<tr>
<td>Tuesday</td>
<td>January 11</td>
<td>1966</td>
<td>6 P.M.</td>
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<tr>
<td>Saturday</td>
<td>January 15</td>
<td>1966</td>
<td>9 A.M.</td>
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<tr>
<td>Wednesday</td>
<td>January 19</td>
<td>1966</td>
<td>6 P.M.</td>
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<tr>
<td>Saturday</td>
<td>January 22</td>
<td>1966</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>January 26</td>
<td>1966</td>
<td>6 P.M.</td>
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</table>

(For Fall Semester, 1966)

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Year</th>
<th>Time</th>
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<tbody>
<tr>
<td>Saturday</td>
<td>March 12</td>
<td>1966</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>April 16</td>
<td>1966</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>May 7</td>
<td>1966</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Monday</td>
<td>May 16</td>
<td>1966</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>May 21</td>
<td>1966</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Thursday</td>
<td>May 26</td>
<td>1966</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>June 4</td>
<td>1966</td>
<td>9 A.M.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>June 8</td>
<td>1966</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>June 11</td>
<td>1966</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>June 14</td>
<td>1966</td>
<td>6 P.M.</td>
</tr>
<tr>
<td>Saturday</td>
<td>June 18</td>
<td>1966</td>
<td>9 A.M.</td>
</tr>
</tbody>
</table>

**Strong Vocational Interest Blanks**

The Strong Test provides an inventory of occupational interests. It enables the student to compare his pattern of interests with those who are judged to be successful in specific occupations. Students must secure a test permit in the Bookstore. The fee for scoring the Strong Test is fifty cents. The tentative schedule follows:

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Year</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>October 25</td>
<td>1965</td>
<td>4 and 7 P.M.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>November 30</td>
<td>1965</td>
<td>4 and 7 P.M.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>March 3</td>
<td>1966</td>
<td>4 and 7 P.M.</td>
</tr>
<tr>
<td>Thursday</td>
<td>April 28</td>
<td>1966</td>
<td>4 and 7 P.M.</td>
</tr>
</tbody>
</table>

**Appointments for Registration Counseling**

A student is ready for final registration only after he has filed an application and official transcripts at the College and has taken the required guidance tests. Counselors will be available from July 26 through September 8 for counseling and final registration. Appointments for counseling may be made by telephoning 684-3240 after July 19.

**Late Registration**

Students who file applications for admission after 1 p.m. Monday, August 30, cannot be assured counseling appointments, but will have the opportunity to register on Wednesday, September 8, for any open classes for which they have the prerequisites. Applicants for the spring semester should consult the College Calendar, pages 5-6, for late registration dates.

**Expenses**

**Student Body Membership**

Student Body Membership dues of $15 are payable at the time of registration. This amount will pay the student membership dues in full through June 30 of the college year in which the student enrolls. No other refunds will be made. For students who enroll in the spring semester, the student body membership dues are $10 through June 30.

**Tuition, Out-of-State and Out-of-Country Students**

State law requires payment of tuition of $10.30 a unit up to 15 units. Tuition for out-of-country students will be determined by Board of Trustees.

**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 and materials is $150. If secondhand books are purchased, the cost will be reduced. A complete list of texts and materials required for all courses, together with costs, is published in a separate bulletin, and is available at the College Bookstore. These books can be purchased during the summer. Checks can be accepted only for the amount of the purchase.
Programming

Educational Objectives

A student's college program will be more meaningful if he has acquired a clear educational objective. This may be a desire to broaden his knowledge as a foundation for upper division college work or to develop marketable occupational skills. If a student is undecided about his objective he may receive help by studying the sections in the catalog entitled "Curricular Patterns." He is also invited to discuss his goals with a college counselor.

Certificate Programs

The College offers four certificate programs in occupational-technical areas – cosmetology, industrial supervision, real estate and vocational nursing.

College Transfer Program

The College offers the first two years of the traditional four-year college program leading to a B.A. or B.S. degree. Students should review the sample "Curricular Patterns for Transfer" in this catalog. Each semester a careful check by the student of the lower division requirements of his chosen college is advised. Counselors will assist students with program planning.

Two-year Occupational-Technical Curricula

The following are two-year occupational-technical programs of study in which training is offered leading to the degree of Associate in Arts and in some cases preparation for State Board examinations.

Accounting
Art—Commercial
Automotive Technology
Business—Clerical
Business—Data Processing
Business—General
Cosmetology
Distributive Careers
Drafting
Electronics
Engineering Aide

Graphic Arts
Home Economics
Industrial Supervision
Journalism and Newspaper Work
Nursing—Registered
Nursing—Vocational
Occupational Law Enforcement
Real Estate
Secretarial Training
Secretarial Training—Specialties
Theater Arts

REQUIREMENTS FOR COLLEGE TRANSFER

Requirements for Junior Standing at the University of California

University requirements for admission to freshman standing have been established as follows:

High School Subject Requirements

(a) History (U.S.). 1 unit; or ½ unit of U.S. History and ½ unit of Civics or American Government;
(b) English (Composition, Literature, and Oral Expressions), 3 units;
(c) Mathematics (Algebra and Geometry), 2 units;
(d) Science (Year course in eleventh or twelfth year with laboratory), 1 unit;
(e) Foreign Language (one language), 2 units;
(f) Advanced course in Mathematics, Science (Chemistry or Physics), or Foreign Language (either additional unit in the same foreign language offered under (e) or 2 units of another foreign language), in addition to (e), (d), or (e) above, 1 unit.

Additional electives to complete a total of 15 units.

Other methods of admission are available in special cases, although most students will have to use the foregoing pattern of subjects.

Scholarship Requirements

A grade average of B is necessary in the subjects (a) to (f) taken in grades 10-12.

A student who was eligible to enter the University directly from high school must maintain a C average in all work taken at junior college.

Students with High School Deficiencies

A high school graduate, not qualified to enter the University directly from high school, must present at least 56 units of transferable courses from a junior college with a grade point average of 2.4 (C equals 2), and remove all but two high school subject deficiencies in the pattern listed above. Seventy units is maximum allowed in transfer from junior college.

General Education Requirements at the University of California for a Degree in the Colleges of Letters and Sciences

English 1A, 1B (See university catalogs for occasional exceptions).

Foreign Language (12-16 units).

High School language counts on this requirement at the rate of four units for the first two years with C grade or better, and four units for each additional year in the same language.

Natural Science (10-12 units).

At most campuses of the university both life and physical sciences are required (See university catalogs).

Humanities (Literature, Philosophy, Art, Music, Theater Arts) 12-15 units (See university catalogs).

Social Science

12 units including courses in American history and institutions. (The state requirement in American history and institutions may be satisfied by examination).

Mathematics (See university catalogs).

Normally the above requirements should be completed in the lower division, although some courses may be postponed to the junior and senior years. The majority of majors are taken in the Colleges
of Letters and Sciences. However, there are other colleges and schools in the University which grant degrees such as Engineering, Fine Arts, Agriculture, Business Administration, Medicine, Dentistry, Pharmacy, etc. Such schools may have variations in these requirements in general education. University catalogs should be consulted for the details.

Requirements for Junior Standing at California State Colleges

High School Requirements

High school graduates are classified as "eligibles" or "ineligibles" on the basis of an Eligibility Index. The Eligibility Index is a weighted total of either the ACT Composite Score (American College Testing Program), or the SAT Total Score (Scholastic Aptitude Test of the College Entrance Examination Board), and the student's high school grade point average.

Junior College Transfers

A student who was eligible to enter the state college as a freshman must maintain a C average in all work taken at junior college. A student who was ineligible to enter a California state college on his high school record may transfer from a junior college on completion of 60 units with a C average. 70 units is the maximum allowed in transfer from a junior college.

General Education Requirements for a Degree from a State College

Forty-five units are required for the degree in addition to those offered in the major. They should be distributed as follows:

(a) Social Sciences 9-12 units
Includes instruction in U.S. history, Constitution and American ideals, and courses in two other fields.

(b) Natural Sciences 9-12 units
One course must be selected from a life science and one course from a physical science. One course must have a laboratory unit.

(c) Literature, Philosophy, or the Fine Arts 6-12 units
At least three units in Literature or Philosophy.

(d) Physical Education Activity, 4 semesters 2 units

(e) Health Education 2 units

(f) Oral and Written Expression 6 units

(g) Psychology 3-6 units

(h) Additional units in general education 8 units

These may be distributed among the foregoing areas as determined by the college or may include courses in family life education, mathematics, and a maximum of 6 units in a foreign language.

These patterns are the minimum requirements, but even these are subject to varied interpretations. Consult catalogs of individual colleges for specific information.

STATE VOCATIONAL REHABILITATION

The Bureau of Vocational Rehabilitation, State Department of Education, offers its services to individuals, veteran or civilian, who have an employment handicap resulting from a medically diagnosable disability.

Details may be obtained from the Riverside office of the bureau, located at 6848 Magnolia Avenue, Telephone 682-3661.

PROGRAM FOR THE DEAF

The special program for the deaf is designed so that deaf students may reach a vocational objective with an AA degree in approximately two years of study, provided that they take advantage of summer sessions. The program is terminal, and is not designed to prepare students for a four-year college.

Because the number of students in the program must be limited, admission is based on entrance tests and high school records. Since there are a large number of applications from students within the state, only current graduates from California are being accepted. Entrance examinations are given each spring. No new students are admitted at the beginning of the second semester.

Students have been majoring in graphic arts (printing), business, drafting, electronics, automotive technology, art, cosmetology, and vocational nursing. Classes in English and history are taught separately from the hearing classes, while in all other classes deaf students join regular hearing groups. Two trained instructors of the deaf teach the special classes and act as college counselors for each of the deaf students. In the integrated classes, hearing students are hired as tutors for the deaf, when needed. Tutoring costs are usually assumed by the Vocational Rehabilitation Office.

VETERANS EDUCATION

Riverside City College is accredited to offer three different programs of education to veterans. These programs are (1) Federal Rehabilitation Program, Public Law 894 for veterans who have service connected or aggravated disabilities; (2) Children of deceased veterans, Public Law 634; and (3) State of California Veterans' Education Institute Act. Students may secure information from the dean of men's office in the main College office or the Veterans' Services Department, Room 223, 3972 Main Street, Riverside, Telephone 686-5780.

ENROLLMENT, EXTENDED DAY

Extended Day Program

The College offers a wide selection of Extended Day classes. These are designed to serve two types of students — full time students who find it necessary to take classes in the evening to complete their schedules and students who are able to take college classes only in the evening.

Because the Extended Day is, as its name implies, essentially a
continuation of the college’s regular daytime program, the same entrance requirements are observed and the same standards of attendance and achievement are maintained as in the daytime schedule.

While not all courses offered in the day schedule are available in the evening, it is nevertheless possible for a student to complete entirely through evening classes the requirements for the Associate in Arts degree and for transfer in most majors with advanced standing to four-year collegiate institutions. In addition a wide variety of occupational-technical courses is also available.

Extended Day Bulletin

An Extended Day bulletin containing a list of courses offered and special registration procedures for Extended Day students is available in the college office. All courses published in this bulletin are part of the regular curricula and unless otherwise specifically noted carry credit and can therefore be applied to the requirements of the Associate in Arts degree.

Admission and Registration of Extended Day Students

Anyone who is a high school graduate or who is 18 years of age or over and can profit from instruction may carry on a program which leads (1) to a high school diploma, (2) an A.A. degree, (3) with proper selection of courses, to a program of study leading to transfer to a four-year college or university, (4) to occupational-technical training, or (5) to personal improvement through general education.

Fees

The Board of Trustees has established a three-dollar fee for each course taken each semester under the Extended Day program. The only exceptions are for students who are properly enrolled in the day college, students under 21 years of age, and students enrolled in English for the Foreign Born or citizenship classes. These fees will be collected at the time of enrollment and there will be no refunds unless the class is discontinued by the college. The fee for out-of-state and out-of-country students is $10.30 a unit. Further information can be secured from the Admissions Office.

Health Requirement

Prior to admission all students except those 21 years of age or older who are enrolling for less than 10 class hours per week must have begun a series of polio immunizations.

Counseling Examinations

Students wishing to enroll in courses requiring qualifying tests must secure a test permit and take the college aptitude tests. Allow four hours for the tests.

Test Permit

A test permit is issued by the Admissions Office upon request. The test permit forms must be filled out and stub filed with the office. To insure a reservation for a given test a student should have his test request on file at least one week before the test is given. See test schedule page 22.

ASSOCIATE IN ARTS DEGREE, DAY AND EXTENDED DAY

The degree of Associate in Arts will be conferred upon the student, day or Extended Day, who completes satisfactorily not less than 64 units of college work, including 32 units taken at Riverside City College; or who completes satisfactorily not less than 64 units of college work of which the last 12 shall be completed in residence at Riverside City College.

(A unit represents one hour of passing work for a semester term of eighteen weeks; it normally stands for one hour of classroom work and two hours of preparation, or for three hours of laboratory. However, a few courses require more than three hours per unit of credit.)

Satisfactory completion means that a student must have a grade point average of not less than 2.00 (C average) in all work attempted. The following requirements must be fulfilled:

<table>
<thead>
<tr>
<th>Minimum Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. English</td>
</tr>
<tr>
<td>English 1AB or 50AB</td>
</tr>
<tr>
<td>B. Social Science</td>
</tr>
<tr>
<td>History 6AB or History 51 and 52</td>
</tr>
<tr>
<td>History 3 and Political Science 1 or History 3 and Political Science 2</td>
</tr>
<tr>
<td>C. Physical Education</td>
</tr>
<tr>
<td>Four semesters of P.E. activities</td>
</tr>
</tbody>
</table>

*The California requirement for baccalaureate degrees and teaching credentials is met by graduation requirements in transferable social sciences. Requirement for teaching credential may also be met by examination (given twice yearly), but course credit is required for A.A. degree.

**Students are exempt from physical education if over 25 years of age. If student carries less than 9 units a semester, physical education is not required for that semester. Graduation units are completed by taking electives.

Counseling in the Extended Day Program

The Extended Day office is open from 12:30 p.m. to 4:30 p.m. and 6:00 p.m. to 10:00 p.m. Monday through Thursday; Friday from 8:00 a.m. until 4:30 p.m.

Counseling is available by appointment through the Extended Day Office.

Programming

A college adult’s program will be more meaningful if he has acquired a clear educational objective. If an adult is undecided about his objectives, he may receive help by studying the sections in the catalog entitled “Curricular Patterns.” He is invited to discuss his goals with the Extended Day counselor.
E. Speech
   Speech 1A or Speech 51

F. Natural Science
   *Anthropology 1
   Astronomy 1A-1B
   Botany 1
   Chemistry 1A, 2, 4
   *Geography 1
   *Psychology 2
   Zoology 1, 2

*Accepted for graduation at Riverside City College, but may not meet the specific Natural Science requirement at every transfer institution.

C. Mathematics
   A satisfactory score on a test of arithmetic competency or completion of a mathematics course at the college.

II. A major of at least 20 semester units in one of the four group subjects listed below:
   Group 1. Natural science, or mathematics, or engineering, or any combinations of these.
   Group 2. English, or theater arts, or speech, or journalism, or foreign language, or fine arts, or any combination of these.
   Group 3. Social science, or philosophy, academic physical education, or psychology, or business, or home economics, or police science, or any combination of these.

SCHOLASTIC HONORS AT GRADUATION

Honors at graduation are awarded to students with exceptionally high grade point averages. These students are seated on the platform and are the first to receive their degrees. Their names are listed on the graduation program as receiving the Associate of Arts degree With Honors.

Permanent members of Gamma Sigma chapter of Alpha Gamma Sigma, statewide junior college honor society, are designated on the graduation list in the printed commencement program. The principal speaker at graduation exercises is a student chosen by permanent members of Alpha Gamma Sigma.

CLASSIFICATION OF STUDENTS

Freshman: Students with fewer than 30 units of college credit.

Sophomore: Students who have completed 30 units of college credit.

Full-time Student: Student carrying 12 or more units.

Part-time Student: Student enrolled for less than 12 units.

STUDY LIST REGULATIONS

Official recognition is given only to those courses which have been approved by a counselor and the Dean of Admissions and entered upon the student's official study list.

All students should attempt to plan their programs, so far as possible, for a full year.

Physical Education is required of all students. Exemption from Physical Education may be granted (1) to the student who is registered for less than 9 units, (2) to the student who is 25 years of age or over, (3) to the student who has a physical disability.

For those who are in good health and able to devote the major part of their time to college study, the normal load is 16-17 units. No one may enroll for more than 17 units (including physical education) without permission from the Dean of Admissions. Any units in excess of 17 which have not been approved by Dean of Admissions will be deducted by the Admissions Office. Extended Day classes are part of the student's regular study load.

GRADING SYSTEM

Grades

Grade reports are issued at the close of each semester. The following grades are used:

A, excellent; B, above average; C, satisfactory; D, below average but passing; F, failed.

Grade Points

Based on scholarship grades, grade points are awarded as follows: A, 4 points per unit of credit; B, 3 points per unit of credit; C, 2 points per unit of credit; D, 1 point per unit of credit; F, no points per unit of credit.

Withdrawal Grades

*W-Withdrawn officially from college.

*WS-Withdrawn officially. Work satisfactory at time of withdrawal.

*WD-Withdrawn officially. Work below average, but passing at time of withdrawal.

*WF-Withdrawn officially. Failing at the time of withdrawal.

I-Incomplete. Work not completed because of circumstances beyond the student's control. Such a grade may be given only with the permission of the Dean of Extended Day or the Dean of Admissions and must be made up by the end of the third week of the semester in which the student is next enrolled.

W-Withdrawn unofficially.

*The asterisk is a part of the grade symbol and indicates official withdrawal.
Permission to withdraw from college will be granted to the student who makes application to the Dean of Admissions and complies with the terms for honorable dismissal. Failure to withdraw formally when a student leaves the college before the completion of a semester will result in F grades being assigned to all courses on the student's study list.

Grades for Courses Dropped
There is no grade penalty for dropping a course during the designated three or eight week drop period. If a course is dropped after the designated drop period, the grade is WF. Under special circumstances, a student may petition the Dean of Admissions prior to dropping, and the Dean may authorize the instructor to give a WS, WD, or WF depending upon the student's progress in the course at the date of last attendance. The last date to drop any course is two weeks prior to finals. If a course is dropped after this date, a student will receive an F grade.

Mid-Term Grades
Instructors will advise students at the end of the first nine weeks of each semester concerning their progress in class.

Final Grades — Final Examinations
Final examinations are scheduled in all classes. Students will be personally responsible for taking all assigned examinations as they are listed in the final examination schedule. The schedule may require that some examinations be given on Saturday.
Failure to appear for a final examination will result in an F grade in the course. The only exception is for an illness which has been reported to the Admissions Office before the scheduled time of the final examination.

Grades Required in Prerequisite Courses
A student who receives a grade of D for the first semester in a year-course may be denied admission to the second semester of that course. He may also be denied admission to a course if he receives a grade of D in a prerequisite subject.

Grades for Repeated Courses
In computing grade point averages, courses repeated because of F or D grades will be assigned the grade and grade points earned on each attempt.
A course in which a grade of D has been received may be repeated to raise the grade, but no additional units will be allowed upon repetition. Courses repeated to raise a grade must be counted in the study list total, even though additional units are not allowed.
A student may not receive college credit for Mathematics A, B, C, or D if he has had the corresponding high school courses.

PROGRAM CHANGES
Add Procedures
A course may be added by petition during Add Day of the first week of each semester. Petition forms may be obtained at the Admissions Office. No courses may be added thereafter.

Drop Procedure — Three-week or Eight-week
A course may be dropped by petition. Petition forms may be obtained at the Admissions Office.
A student may drop a class without penalty at any time during the drop period designated in the official class schedule. It will be the student's responsibility to inform himself of the drop deadline for each of his courses. After this drop deadline, a student's program is considered fixed. Dropping a class after the deadline will result in a WF grade except as noted below.
A student who feels there are special circumstances which necessitate the drop of a course after the deadline should consult the Dean of Admissions prior to dropping the course. Upon verification of a justifiable drop, the Dean of Admissions may authorize the instructor to give a WS, WD, or WF, depending upon the student's progress in the course at the date of last attendance.
The deadline to drop a course with a WS, WD, or WF will be two weeks prior to the start of final examinations. After this date a student will receive an F in the course or courses dropped.
Courses are not considered officially dropped unless the office has been notified upon the forms provided.

AUDITING
Auditing of courses is not permitted.

PROBATION STUDY LOAD LIMIT AND CLASSIFICATIONS

Probation Study Load Limit
Students who have been placed on probation shall be limited to a study load of 11-13 units.

Probation at Entrance
Non-high school graduates shall be admitted on probation. An applicant without previous college work whose high school grades average less than C (below 2.0 on a 4 point scale), shall be admitted on probation.

Single Probation
A full time student carrying 12 units or more shall be placed on probation at the end of any semester in which his grade point total is 6 less than twice the total number of units attempted that semester.
A part-time student enrolled for less than 12 units shall be placed on probation at the end of any semester in which his grade point total is less than twice the total number of units attempted that semester.

Double Probation
Failure to remove probation at entrance or single probation places a student on double probation.

Removal of Probation
To remove probation at entrance or single probation a student must earn at least 21 grade points. If he carries 13 units he must earn 23 grade points.
To remove double probation the student must earn at least 24 grade points during that semester. If he carries 13 units he must earn 26 grade points.

Failure to remove double probation results in disqualification for the next semester. However, a student on double probation who makes a 2.0 average in less than 12 units may petition the Dean of Admissions for special consideration.

A student on academic disqualification may petition the Dean of Admissions for re-admission after an absence of one semester. Petitions may be secured from the office of the Dean of Admissions.

Disqualification

A student re-admitted after disqualification will be placed on double probation and must earn 24 grade points or may be permanently disqualified from Riverside City College.

These probationary policies will apply to students transferring from other colleges.

ATTENDANCE

All students are expected to attend every session of every course in which they are enrolled. Failure to do so may indicate lack of serious purpose. A student will be dropped from a course for excessive absence, regardless of cause, if the number of absences is having an adverse effect upon his success in college.

Absence because of illness must be accounted for in the Admissions Office before a student returns to classes after the illness.

Request for leave to be absent from a class for other reasons, or explanation for having been absent, should be made to the Deans. Work missed for unavoidable cause may be made up with the instructor's approval. Under no circumstances will absence for any reason excuse the student from completing all the work assigned in a given course. After an absence it is the responsibility of the student to check with his instructor about the completion of missed assignments.

CHANGE OF ADDRESS

It is the duty of the student to advise the Admissions Office of any change in college address.

TRANSCRIPT REQUESTS

Upon request to the Office of Admissions, each student will be provided with two official copies of his college record without charge. For each copy, after the second, a fee of one dollar is charged. Applications for transcripts should be filed at least two weeks before transcript is needed. No transcript will be supplied for college work taken in other institutions.
Student Life

COUNSELING CENTER

The Counseling Center, located in the Administration Building, assists the student in dealing with educational, occupational, and personal problems that might interfere with his optimum development. Professionally trained counselors are prepared to assist the student with his semester programs, help him evaluate objectively his interests and abilities and direct him to information about vocational opportunities.

How to Use the Counseling Center

Students may make appointments with the secretary in the Counseling Center, which is open Monday through Friday, 8:00 a.m. to 4:30 p.m. Counseling for Extended Day students will be available 6:00 p.m. to 9:00 p.m., Monday through Thursday. It is important to keep appointments.

Educational and Occupational Information

An up-to-date file of college and university catalogs is kept in the Counseling Center. These are useful in helping students select a college for transfer and in planning their lower division programs. The Counseling Center also has an extensive file of occupational information, and additional material can be secured from the college library.

Special Testing

Various tests of general intelligence, occupational interest, and occupational aptitude are available. The student should consult his counselor for further information.

STUDENT SERVICES

Dean of Student Activities

All student services and student government activities are the responsibility of the Dean of Student Activities. His office is in the Administration Building.

Health Services

Emergency treatment may be administered on the campus, but only temporary and limited aid is given. The College is not legally responsible for injuries suffered by students; however, the Associated Student Body carries accident insurance covering members of athletic teams. Other health and accident insurance may be purchased by those who desire to do so. All accidents should be reported to the Dean of Student Activities immediately.

Housing Office

No dormitories are maintained by the College but lists of rooms and boarding places are kept on file at the Housing Office, Room 116. This office is open in August.

Placement Office

Many students find it necessary to earn part or all of their ex-
The College cannot guarantee anyone employment, but it does undertake to assist worthy students in finding work suited to their abilities.

There are available a number of part-time student jobs on campus, particularly as laboratory and clerical assistants. The College also maintains a placement service in Room 116, which attempts to find part-time employment for students while in college or permanent positions after graduation.

**Tiger's Den — Cafeteria**

The Tiger's Den includes a cafeteria and snack bar. The Den serves as a meeting or study spot. The adjacent Pit is an outdoor eating and recreational area.

**A.S.B. Bookstore**

A cooperative bookstore is maintained at the College. The business is conducted by a manager who is employed by the Associated Student Body. Profits are returned to the general A.S.B. fund.

**A.S.B. Business Office**

The A.S.B. Business Office is in the Administration Building. All A.S.B. accounts, requisitions and membership fees are handled in this office.

**A.S.B. Office**

The A.S.B. Offices are located at 4790 Riverside Avenue, right at intersection of Fairfax. It is possible that these will be moved in 1965-66 to a temporary student center in the former Poly library.

**LOANS**

Limited funds for student loans are available. Information can be secured from the office of the Dean of Student Activities.

**SCHOLARSHIPS**

Scholarship information and application forms may be obtained from the Dean of Student Activities Office.

**Alpha Gamma Sigma Scholarship Fund**

Several cash awards plus a dozen or more scholarships to four-year colleges and universities are available to members of the honor society. Inquiries may be addressed to Mr. Joseph von Helf, Riverside City College.

**Altrusa Founders Vocational Aid Fund**

A maximum of $250 grant to a mature woman returning to immediate employment.

**Alumni Association of Riverside City College**

One scholarship of $100 awarded to a sophomore.

**Altrusiyst-Jessie Kauffman Memorial Fund**

This scholarship of $100 is awarded to a qualified woman to defray collegiate expenses.

**American Society of Women Accountants**

Scholarship assistance given to a worthy woman student in the field of accounting.

**American G. I. Forum**

Four awards, $50 each.

**Associated Student Body of Riverside City College**

Four $100 scholarships presented to returning sophomores.

**Bank of America Awards**

A $100 cash award and a certificate of recognition to a student with a major in the field of banking or business administration.

A $100 cash award and a certificate of recognition to a student with a major in the field of secretarial or clerical work.

**Bridgeport Brass Award**

One award of $125 to a deserving engineering student.

**Warren W. Cheney Music Award**

An annual award of $100 is granted a student in music on the basis of ability and achievement. It is stipulated that the grant be used to defray music education expenses.

**Citrus Belt Home Economics Association**

An award of $75 to a deserving student in the field of home economics.

**Citrus Belt Club of Printing House Craftsmen Award**

Two awards to $50 each to assist students of graphic arts.

**Citrus Belt Public Accounting Award**

Scholarship of $75 presented to an accounting major who plans to transfer to a four year college.

**Delta Kappa Gamma Scholarship Fund**

A scholarship loan not to exceed $300 in any one year may be granted to a student who is preparing for the teaching profession. All applications must be reviewed by the scholarship committee of Mu Chapter.

**Delta Kappa Gamma (Epsilon Eta Chapter-Corona)**

Scholarship of $100 to an education major.

**Faculty Appreciation Award**

An award contributed by an alumnus in honor of outstanding instruction received at Riverside City College. $50 to $75.

**Mary Jaskey Award**

An award to provide financial assistance to worthy graduates of Riverside City College who plan to continue their education at any branch of the University of California.

**Magnolia Center Rotary Club Youth Committee**

A scholarship of $75.

**Jaeger Award**

This scholarship is awarded to a student majoring in life science.

**Lambda Nu**

$50 award given to a deserving married woman student on
William Locy Memorial Scholarship (County Amateur Radio Association)
A cash award presented annually to a deserving electronics major.

National Board of the National Charity League
$100 - $300 given to a young woman with two or three semesters of satisfactory work.

National Office Management Association
An award of $75 given to a qualified student in the field of business education.

National Secretaries
A scholarship of $50 available to eligible students who wish to prepare themselves for careers in the secretarial field.

Nursing Scholarships
Ann Vogler—$200
Beta Sigma Phi (Chapter Sigma Epsilon) — $50 to returning sophomore.
Riverside County Medical Association Auxiliary — $250
American Legion 40 and 8 — Two awards of $125 each to sophomore nursing students
Nightingale Club — $75
California Nurses Association, District 23 — $125
Magnolia Center Business and Professional Club — $50
Florist Telegraph-Delivery Association — $150 awarded to a second year student.
Women of the Moose — $50

Orange Blossom Club
Two awards, one for $50 and one for $75.

Press-Enterprise Company
One award of $50 to a student majoring in printing.

Gus Pritchett Scholarship
$50 awarded to a deserving student in printing.

Pro-America
One award of $150 given to outstanding woman student in U.S. history and government.

Perrine Scholarship
One award of $100 given to a student over 25 years of age.

Hannah D. Reed Scholarship Fund
Available to a student who has matriculated on the Berkeley campus of the University of California from Riverside City College with a B average.

Riverside Foundation Scholarships
Scholarships of $500 are given to qualified sophomores who plan to attend a four year college to complete their upper division work.
Riverside Lions Club Scholarship Award in Memory of Dwight and Rosemae Langtry
Two yearly awards in the amount of $100 each, to be given at the end of the freshman year for use in the sophomore year. Passing grades required but emphasis is more on need.

Riverside City Teachers Association Scholarship
In order to be eligible for this scholarship, a student must be preparing to become a teacher. Scholarship and good character are emphasized. Application must be made by letter to the Riverside City Teachers Association.

Riverside Junior Woman’s Club
Two awards of $50 each. Recipients to be deaf students, one woman and one man.

Wednesday Club
An award of $50 made to an engineering senior at Polytechnic High School who plans to attend Riverside City College.

Youth Counselors
Two $50 awards.

Zonta Club
$400 award to a woman graduating from Riverside City College to assist her in completing Baccalaureate degree.

RIVERSIDE CITY COLLEGE AWARDS
These are grants of money made to Riverside City College students who have been enrolled at least one full semester. They are awarded on the basis of need, character, and scholarship and are made possible by the following individuals and organizations:

Bourns Laboratories — Two awards of $50.

Engineering Club of Riverside City College — Two awards of $50.

Exchange Club — One award of $100.

Joseph Hunter Foundation — An award of $100.

Kiwanis Club of Riverside — Two awards of $50.

W. J. Mazetti — One award of $50.

George Reade Foundation — Four awards in the amount of $50 each. Two in the field of automotive technology and two in the field of business.

Riverside Lions Club (Roy C. Hunt Memorial) — Two awards of $50.

Riverside Foundation — Twenty awards — $50 - $75 each.

HONOR AWARDS
The following honors are annually awarded in the Awards Assembly on the morning of graduation. These honors are given to students on campus and to the Alumnus of the Year.

Harry Dangerfield Book Award
This award is presented to an outstanding student in memory of Harry Dangerfield, former Bookstore manager.

Don Phillips Memorial Award
An award is presented by Mr. Russell Krinard in memory of Don Phillips, a former baseball player at Riverside City College. The award is presented to the baseball player rated most valuable by his team mates.

Bob Vanderzyl Memorial Award
This award is given to an outstanding tennis player in memory of former tennis Coach Bob Vanderzyl, who was killed in an auto accident.

Jack B. Crawford Memorial Award
The Jack B. Crawford Memorial Award was established in 1946 in memory of Jack B. Crawford, who gave his life in the service of his country. This award is given annually to the man student who, in the judgment of the committee, displays outstanding sportsmanship in the field of athletics.

Joan Thursby Memorial Award
This award is in memory of Joan Thursby, Riverside City College student of 1948. It is to be given annually to a second-year woman student who, in the judgment of a faculty and student committee, best exemplifies the attributes of womanhood, participates actively in campus organizations, and has a “B” average.

A. S. B. Outstanding Student Awards
Cups are awarded to three sophomores for outstanding service and contributions to the college.

Distinguished Alumnus Award
This award was originated by Delta Chi Delta in 1959 and is presented to a distinguished graduate who has made significant contributions to the professional or business world. The award is now made in the name of the college and the selection is made by the College Council.

STUDENT GOVERNMENT
The opportunity of self-government is extended to students who hold membership in the Associated Student Body. Principal governing bodies are the Executive Board, which is elective, and the Cabinet, which is made up of representatives of all student organizations on campus. All women A. S. B. members are automatically members of Associated Women Students and all men A. S. B. members are also members of Associated Men Students. Many elective and appointive
offices in these bodies are available to those interested in student
government.
Additional opportunities for leadership are provided by participa-
tion on A. S. B. Rally, Social, Assembly, and Publicity Committees.

ORGANIZATIONS
Organizations on campus are classified as honorary, service-social,
and professional interest.

Honorary
Riverside City College had its own honor society from 1921 until
1953. In the spring of that year the college was granted membership
in Alpha Gamma Sigma, the California Junior College Honor Society.
Gamma Sigma chapter of Riverside City College was granted its
charter on May 8, 1953.

Service-Social
Sororities and fraternities are student organizations which give
a major part of their time for improvement of the campus and com-
community through service projects. Although social events are planned
throughout the year, the primary goal is to maintain high scholastic
standards.
The local sororities on the Riverside City College campus are
Delta Chi Delta, Gamma Nu, Sigma Phi Kappa, and Theta Tau
Omega.
The local college fraternities are Eta Pi, Gamma Iota Alpha,
Kappa Upsilon, and Sigmo Rho Chi.
The Order of Kiowa-Z, sponsored by the Zonta Club of Riverside,
is a women’s service organization. Members are chosen for outstanding
service to the college and the community.
Lambda Nu is an organization devoted to the interests of women
over 25.

Professional Interest Groups
The following professional interest groups are active on campus:
Beta Phi Gamma, a national journalism fraternity open to both
men and women.
Cosmos, an organization of students in the Cosmetology program.
Engineering Club.
Kappa Kappa Chi, a campus organization of students enrolled in
the R.N. and L.V.N. programs.
Lambda Alpha Epsilon, a national law enforcement fraternity.
S.C.T.A., the Student California Teachers’ Association.
Delta Psi Omega, made up of students interested in dramatics.

SOCIAL EVENTS
An extensive program of social activities is provided by the Asso-
ciated Student Body. A master calendar is maintained in the Adminis-
tration Building.

Among dances usually scheduled are the Mixer; Presents, a formal
introduction of sorority pledges to the college student body; after-game
dances; Homecoming Dance; Christmas Formal; Eastern Conference
Dance; Dream Date Formal, and Farewell Dance. Other college-
sponsored events include the Luau and the Mardi Gras.

ATHLETICS
The College maintains an extensive program of inter-collegiate
athletics as a member of the Eastern Conference of the California
Junior College Association. Questions about athletic eligibility may
be directed to the dean of student activities.

Members of many campus organizations, and non-affiliated students as well, also have the opportunity of participating in a variety of intra-mural sports.

THE ARTS

Art

Painting, drawing and sculpture students exhibit their work during the annual Festival of Arts. Art students also contribute frequently to college publications.

Music

Musical activities are a significant part of college activities. These include instrumental, choral, and recital programs, and the annual musical comedy.

Musical organizations include the College Choir, Vocalaires, Concert Band, Pep Band, Stage Band, and Chamber Orchestra.

Choral and instrumental groups represent the college at the annual festivals presented by the combined junior colleges of Southern California. College choral and instrumental groups give numerous performances throughout the valley.

Drama, Speech, and Forensics

Several plays and a musical comedy highlight the annual drama program. These A.S.B.-sponsored productions are open to the general public as well as to the student body. Students interested in competitive speech activities including inter-collegiate debate may have an opportunity to participate in one of the Eastern Conference tournaments held each year.

Dance

Orchesis is the performing dance group at the college. Members of this organization are chosen on a tryout basis. Numerous opportunities are provided annually for participation in musical programs, plays, and recitals.

Film Series

The Associated Student Body annually sponsors a free series of film classics open to students and the general public.

PUBLICATIONS

Student publications include: The Tequesquite, college annual; Tiger Times, weekly student body newspaper; Nighttimes, newspaper published by Extended Day students; Tiger Tales, student handbook published jointly by A.W.S. and A.M.S.; Tiger Talk, weekly college bulletin announcing campus activities and events.

DISCIPLINE

It is understood that each student who registers at the College is in sympathy with its purposes and will cooperate in carrying out these purposes by adhering to the regulations governing student behavior.

Students who have been dismissed from the college for disciplinary reasons may apply to the President of the College for re-admission.
Curricular Patterns

To help students in planning their programs, some curricular patterns have been developed as guidelines. These are really planning sheets and often courses may be changed to either freshman or sophomore year provided prerequisites have been met.

The effective way to use these curricular patterns is (1) study patterns, (2) study course descriptions on the yellow pages of the catalog, (3) study Riverside City College Catalog for A.A. degree requirements, (4) secure General Education Requirement Sheets for specific college of transfer from catalog section in the Counseling Center, (5) study catalog of specific college of transfer for additional information concerning major requirements in lower division, (6) study Schedule of Classes for time a specific course is offered.

College counselors will be helpful in answering questions about your preparation for the increasing number of occupational-technical programs as well as current requirements in the college transfer programs.

### TWO-YEAR OCCUPATIONAL-TECHNICAL PROGRAMS

#### ACCOUNTING

**Associate in Arts Degree**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Psychology 49 (elective)</td>
<td>1</td>
</tr>
<tr>
<td>English 50-A, 50-B or 1-A, 1-B</td>
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</tr>
<tr>
<td>Business 50-A, 50-B</td>
<td>3</td>
</tr>
<tr>
<td>Business 51-A, 51-B</td>
<td>3</td>
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<tr>
<td>Business 63, 72</td>
<td>2</td>
</tr>
<tr>
<td>Business 76-A, 76-B</td>
<td>3</td>
</tr>
<tr>
<td>Health Science 1</td>
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<td><strong>Total</strong></td>
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</tr>
</tbody>
</table>

#### ART—COMMERCIAL

**Associate in Arts Degree**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Psychology 49 (elective)</td>
<td>1</td>
</tr>
<tr>
<td>English 50-A, 50-B or 1-A, 1-B</td>
<td>3</td>
</tr>
<tr>
<td>Art 1-A, 1-B</td>
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<td>Art 5, 22</td>
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<tr>
<td>Health Science 1</td>
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</tr>
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<td>Physical Science 1</td>
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<td>Graphic Arts 10</td>
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# Automotive Technology

## Associate in Arts Degree

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<th>Freshman Year</th>
<th>Sophomore Year</th>
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</thead>
<tbody>
<tr>
<td>Physical Education</td>
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<tr>
<td>Psychology 49 (elective)</td>
<td>History 51, 52 or Political Science 3 or 1 and History 3</td>
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<tr>
<td>English 50-A, 50-B, or English 1-A, 1-B</td>
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<td>Automotive Technology 61-4</td>
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<td>Automotive Technology 62-4</td>
<td>Automotive Technology 70-B, 70-C</td>
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<td>Speech 51 or 1-A</td>
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<td>Automotive Technology 70-A</td>
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<td>Business 78, 79</td>
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# Business—General

## Associate in Arts Degree

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<td>History 51, 52, or Political Science 3 or 1 and History 3</td>
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<td>Electronics 10</td>
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<td>Business 59-A, 59-B, or Business 60, 62, or 63</td>
<td>Automotive Technology 70-B, 70-C</td>
</tr>
<tr>
<td>Business 50-A</td>
<td>Speech 51 or 1-A</td>
</tr>
<tr>
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# Business—Clerical

## Associate in Arts Degree

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<td>History 51, 52 or Political Science 3 or 1 and History 3</td>
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<td>Business 59-A, 59-B, or Business 60, 62, or 63</td>
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<td>Speech 51 or 1-A</td>
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# Business—Data Processing

## Associate in Arts Degree

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<td>History 51, 52 or Political Science 3 or 1 and History 3</td>
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<td>Speech 51 or 1-A</td>
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<td>Business 76-A, 76-B</td>
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# Cosmetology

## Associate in Arts Degree

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*Students who wish to qualify for credential to teach in public schools must first have A.A. degree plus additional requirements for the Vocational Credential. A "C" average is required in all Cosmetology courses.

# Distributive Careers

## Associate in Arts Degree

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**DRAFTING**  
Associate in Arts Degree  
**Freshman Year**  
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**Sophomore Year**  
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**Note:** Completion of the program meets the Science requirement for the A.A. degree.

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**ELECTRONICS**  
Associate in Arts Degree  
**Freshman Year**  
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**Sophomore Year**  
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**Note:** Completion of the program meets the Science requirement for the A.A. degree.

---

**ENGINEERING AIDE**  
Associate in Arts Degree  
**Freshman Year**  
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**Sophomore Year**  
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<tr>
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<td>Mathematics 8</td>
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**Note:** Completion of the program meets the Science requirement for the A.A. degree.

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**GRAPHIC ARTS**  
(Printing Management)  
Associate in Arts Degree  
**Freshman Year**  
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**Sophomore Year**  
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**Note:** Completion of the program meets the Science requirement for the A.A. degree.

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**HOME ECONOMICS**  
Associate in Arts Degree  
**Freshman Year**  
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<td>Health Science</td>
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<td>History 51, 52 or Political Science 3 or 1 and History 8</td>
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**Sophomore Year**  
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**Note:** Completion of the program meets the Science requirement for the A.A. degree.

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**INDUSTRIAL SUPERVISION**  
Associate in Arts Degree  
**Freshman Year**  
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**Sophomore Year**  
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**Note:** Completion of the program meets the Science requirement for the A.A. degree.
INDUSTRIAL SUPERVISION
Certificate Program
Riverside City College participates in the State of California Certificate Program in Industrial Supervision. The certificate is awarded to those students who satisfactorily complete eight courses, including the five courses listed in Group I; the three additional courses may be selected from those listed in Groups II and III; a minimum grade of C is required in each course.

**Group I (Required for Certificate)**
- Supervisory Training 51
- Supervisory Training 55
- Supervisory Training 52
- Supervisory Training 53
- Supervisory Training 59

**Group II (Elective courses)**
- Supervisory Training 56
- Supervisory Training 54
- Supervisory Training 58
- Supervisory Training 57
- English 51R or 52

**Group III (Elective courses not currently offered at Riverside City College)**
- Management Control and the Supervisor
- Technical Training for Supervisors
- Developing Employees Through Training

JOURNALISM AND NEWSPAPER WORK
Associate in Arts Degree
Freshman Year
- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3
- Speech 51 or 52 2
- Journalism 54-B, 54-C 2
- Journalism 12 2
- Business 75 (elective) 3
- Journalism Internship 54-A 2

Sophomore Year
- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3
- Speech 51 or 52 2
- Journalism 54-B, 54-C 2
- Journalism 12 2
- Business 75 (elective) 3

- Total: 15 units

**JOURNALISM AND NEWSPAPER WORK**
Associate in Arts Degree

**NURSING VOCATIONAL**
Associate in Arts Degree

**Freshman Year**

- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3

**Sophomore Year**

- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3

- Total: 15 units

**Note:** Completion of the program meets the requirement in Health Science.

**A “C” average is required in all Nursing courses.**

**OCCUPATIONAL LAW ENFORCEMENT**
Associate in Arts Degree

**Freshman Year**

- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3

**Sophomore Year**

- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3

- Total: 15 units

**REAL ESTATE**
Associate in Arts Degree

**Freshman Year**

- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3

**Sophomore Year**

- Physical Education 1
- English 48, 49 2
- History 4, 5 3
- Journalism 50-AB or 51-AB 2
- Health Science 1
- Natural Science 2
- Requirement 3

- Total: 15 units
REAL ESTATE

Certificate Program

The California Real Estate Certificate is awarded students who satisfactorily complete the courses listed in Group I, below, and nine units from the list of recommended electives in Group II; a minimum grade of C is required in each course. Any three of the starred (*) courses in Group I are acceptable by the University of California toward its real estate certificate.

<table>
<thead>
<tr>
<th>Group I (Required for Certificate)</th>
<th>Group II (Required Nine Units)</th>
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<tbody>
<tr>
<td>Business 90 or *91</td>
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<tr>
<td>*Business 92</td>
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<td>Business 93</td>
<td>Business 64</td>
</tr>
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<td>*Business 94</td>
<td>Business 76-A, 76-B</td>
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<td>*Business 95</td>
<td>Business 99 and 79</td>
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<td>Business 98-A, 98-B</td>
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Note: Business 90 or 91 is a prerequisite to 92, 94, 95.

SECRETARIAL TRAINING

Associate in Arts Degree

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<th>Sophomore Year</th>
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<tbody>
<tr>
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<td>Psychology 49 (elective)</td>
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<tr>
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SECRETARIAL TRAINING—MEDICAL SPECIALTY

Associate in Arts Degree

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<td>Business 64, 69</td>
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<td>Business 70</td>
<td>Health Science 1</td>
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<td>Speech 51 or 1-A</td>
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THEATER ARTS

Associate in Arts Degree

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<td>Science 3 or 1 and History 3</td>
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<td>Speech 51 or 1-A</td>
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<td>Business 64, 69</td>
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<td>Natural Science</td>
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CURRICULAR PATTERNS FOR TRANSFER

ART

For Transfer to California State College, Long Beach
Bachelor of Arts Degree

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<th>Freshman Year</th>
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<tbody>
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<td>Speech 51 or 1-A</td>
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AGRICULTURAL SCIENCE

For Transfer to UCR, College of Agriculture
Bachelor of Science Degree

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<td>Speech 51 or 1-A</td>
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### BACTERIOLOGY—See Microbiology

### BOTANY

For transfer to UCR, Bachelor of Arts Degree

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<td>Biology</td>
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<tr>
<td>Speech 1-A</td>
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<tr>
<td>Math 12</td>
<td>3</td>
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<td>Health Science 1</td>
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<tr>
<td>Summer Session</td>
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### BUSINESS ADMINISTRATION

For transfer to San Diego State College, Bachelor of Science Degree

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<td>Business 10</td>
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<tr>
<td>Math 12</td>
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### CHEMISTRY

For transfer to UCR, Bachelor of Arts Degree

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<td>Physics 4-A</td>
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<td>Chemistry 8 and 9</td>
<td>Chemistry 8 and 9</td>
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### DENTAL HYGIENE

School of Dentistry

For transfer to University of California, San Francisco
Bachelor of Science Degree

<table>
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<th>Sophomore Year</th>
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</thead>
<tbody>
<tr>
<td>Physical Education</td>
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<tr>
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Suggested electives: Anthropology or other Social Sciences, additional units in Humanities.

### DENTISTRY

For transfer to University of California, San Francisco
Bachelor of Science Degree

<table>
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<tbody>
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<td>Zoology 1, 2</td>
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<td>Chemistry 8 and 9</td>
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### ECONOMICS

For transfer to UCR, Bachelor of Arts Degree

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### Health Science

For transfer to UC, Bachelor of Science Degree

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Suggested electives: Anthropology or other Social Sciences, additional units in Humanities.
### ENGINEERING
For transfer to University of California at Berkeley, Bachelor of Science Degree

**Freshman Year**
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<tr>
<td>Laboratory Science</td>
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<tr>
<td>Physical Education</td>
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</tr>
<tr>
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<tr>
<td>English I-A, 1-B</td>
<td>3</td>
</tr>
<tr>
<td>History 4, 5</td>
<td>3</td>
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<tr>
<td>Laboratory Science</td>
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**Summer Session**
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### ENGLISH
For transfer to UCR, Bachelor of Arts Degree

**Freshman Year**
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<td>English I-A</td>
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### FOREST MANAGEMENT
For transfer to Humboldt State, Bachelor of Science Degree

**Freshman Year**
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**Sophomore Year**
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### HISTORY
For transfer to UCR, Bachelor of Arts Degree

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<td>Laboratory Science</td>
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<td>History 6-A, 6-B</td>
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<td>English 1-A, 1-B</td>
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<td>History 4, 5</td>
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**Sophomore Year**
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### HOME ECONOMICS
For transfer to San Fernando Valley State College, Bachelor of Arts Degree

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**Sophomore Year**
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### HOME ECONOMICS
For transfer to University of California, Santa Barbara, Bachelor of Arts Degree

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<td>Economics I-A</td>
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<td>Music 20</td>
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<tr>
<td>Physical Education</td>
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<td>History 6-A, 6-B</td>
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<tr>
<td>English 1-A, 1-B</td>
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<td>History 4, 5</td>
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**Sophomore Year**
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<td>English 1-A, 1-B</td>
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**Summer Session**
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<tr>
<td>Health Science 1</td>
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</table>
### INDUSTRIAL ARTS

**For transfer to San Jose State College, Bachelor of Arts Degree**

#### Freshman Year
- Physical Education 1
- Psychology 49 1
- Engineering I-A, I-B 3
- Health Science 1 2
- Chemical 2 5
- Graphic Arts I-A or 61 2-3
- Automotive Technology 61 4
- Engineering 50 2
- Elective 3

#### Sophomore Year
- Physical Education 1
- History 6-A, 6-B, or History 3, Political Science 3 or 1
- Mathematics D or C 3
- Art I-A, I-B 3
- Speech 1-A 3
- Psychology 1 4
- Electronics 10 4
- Engineering 22 2

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**JOURNALISM**

*(Emphasis in Reporting and Editing)*

**For transfer to San Jose State College, Bachelor of Arts Degree**

#### Freshman Year
- Physical Education 1
- Psychology 49 (elective) 1
- English I-A, I-B 3
- History 4, 5 3
- Zoology 1, 2 4
- Journalism 1, 2 3
- Health Science 1 2
- Speech 1-A 3

#### Sophomore Year
- Physical Education 1
- History 6-A, 6-B 3
- Physical Science 4-5
- Economics I-A, I-B 3
- Journalism 10, 12 1
- Philosophy 6-A or 10 3
- Political Science 1 3
- Literature 3 3

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#### Summer Session
- Psychology 1 3
- Sociology 1 3

**LAW**

**For transfer to UCLA, Bachelor of Arts Degree**

#### Freshman Year
- Physical Education 1
- Psychology 49 (elective) 1
- English I-A, I-B 3
- Foreign Language 3
- Economics I-A, I-B 3
- History 3 3
- Psychological Science 3
- Math I-A, I-B 4
- Physics 2-A, 2-B 4

#### Sophomore Year
- Physical Education 1
- History 6-A, 6-B 3
- Math 2-A, 2-B 4
- Social Science Group B 3
- Chemistry 1-A and 1-B may be substituted for Physics 2-A, 2-B

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#### Summer Session
- Speech 1-A 3
- Psychology 1 3

**MATHEMATICS**

**For transfer to UCR, Bachelor of Arts Degree**

#### Freshman Year
- Physical Education 1
- Psychology 49 (elective) 1
- English I-A, I-B 3
- Microbiology 1
- Chemistry I-A, 1-B 5
- Math 7 1
- Physics 2-A, 2-B 4

#### Sophomore Year
- Physical Education 1
- History 6-A, 6-B, or History 3, Political Science 3 or 1
- Chemistry 5 4
- Philosophy 6-A 3
- Zoology 1, 2 4
- Botany 1 5
- Psychology 1 3

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#### Summer Session
- Health Science 1 2
- Speech 1-A 3

**MEDICAL TECHNOLOGY**

**For transfer to California State College, Los Angeles, Bachelor of Science Degree**

#### Freshman Year
- Physical Education 1
- Psychology 49 (elective) 1
- English I-A, I-B 3
- Microbiology 1
- Chemistry I-A, 1-B 5
- Math 7 1
- Physics 2-A, 2-B 4

#### Sophomore Year
- Physical Education 1
- History 6-A, 6-B, or History 3, Political Science 3 or 1
- Chemistry 5 4
- Philosophy 6-A 3
- Zoology 1, 2 4
- Botany 1 5
- Psychology 1 3

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#### Summer Session
- Health Science 1 2
- Speech 1-A 3

**Social Science 3**
MEDICINE
For transfer to UCLA, Bachelor of Science Degree

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<td>English 1-A, 1-B</td>
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<td>French or German 1, 2</td>
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<tr>
<td>Chemistry 1-A, 1-B</td>
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<td>Zoology 1, 2</td>
<td>4 4</td>
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Recommended: Physics 2-A, 2-B; Physiology and Anatomy 2-A, 2-B; Mathematics 10, Botany 1; French or German.

MICROBIOLOGY
For transfer to California State College, San Diego, Bachelor of Science Degree

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<td>Biology 1</td>
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<td>Speech I-A</td>
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NURSING
For transfer to UCLA, Bachelor of Science Degree

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<td>Summer Session</td>
<td>16 17</td>
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Summer Session: 2 2

In addition to above:
(1) Completion of three years of one foreign language in high school or completion of course 2 at Riverside City College.
(2) Completion of high school course in physics with grade of B or completion of Physics 2-A at Riverside City College or Physics 10 at UCLA.

PHARMACY
For transfer to University of California, San Francisco, Bachelor of Science Degree

<table>
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<tr>
<td>Botany 1</td>
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Recommended: History 6-A, 6-B, or History 3, Political Science 3 or 1

PHYSICAL EDUCATION
For transfer to Cal Poly K, Bachelor of Arts Degree

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Summer Session: 17 16
**PHYSICAL THERAPY**

*For transfer to Loma Linda University*  
Bachelor of Science Degree

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Recommended Electives: Foreign Language, History, Literature, Mathematics, Social Science.

*Students intending to transfer to California State College, Los Angeles, are advised to concentrate on general education requirements in lower division. Not more than 20 units of lower division police science courses will be accepted towards total major requirements. No lower division police course should be taken which is duplicated in the upper division.*

**PHYSICS**

*For transfer to UCR, Bachelor of Arts Degree*

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<td>Speech 1-A</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>17</td>
</tr>
</tbody>
</table>

**PODIATRY**

*For transfer to California Podiatry College, San Francisco  
P.S. or D.S.P. Degree*

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Psychology 49 (elective)</td>
<td>History 6-A, 6-B</td>
</tr>
<tr>
<td>English 1-A, 1-B</td>
<td>Sociology 1, 2</td>
</tr>
<tr>
<td>Psychology 1, 2</td>
<td>Biology 1</td>
</tr>
<tr>
<td>Speech 1-A</td>
<td>Chemistry 2</td>
</tr>
<tr>
<td>Zoology 1, 2</td>
<td>Health Science 1</td>
</tr>
<tr>
<td>Chemistry 1-A, 1-B</td>
<td>Police Science 1 (elective)</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Elective</td>
</tr>
<tr>
<td>16-17</td>
<td>17</td>
</tr>
</tbody>
</table>

**SOLOICAL WELFARE**

*For transfer to California State College, Long Beach, Bachelor of Arts Degree*

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Psychology 49 (elective)</td>
<td>History 6-A, 6-B</td>
</tr>
<tr>
<td>English 1-A, 1-B</td>
<td>Sociology 1, 2</td>
</tr>
<tr>
<td>Speech 1-A</td>
<td>Sociology 3 or 1 and</td>
</tr>
<tr>
<td>Anthropology</td>
<td>History 3 or 1 and</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

*Students intending to transfer to California State College, Long Beach, are advised to concentrate on general education requirements in lower division. Not more than 20 units of lower division police science courses will be accepted towards total major requirements. No lower division police course should be taken which is duplicated in the upper division.*

**PSYCHOLOGY**

*For transfer to UCR, Bachelor of Arts Degree*

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Psychology 49 (elective)</td>
<td>History 6-A, 6-B</td>
</tr>
<tr>
<td>English 1-A, 1-B</td>
<td>Sociology 1, 2</td>
</tr>
<tr>
<td>Foreign Language 1, 2</td>
<td>Biology 1</td>
</tr>
<tr>
<td>History 4, 5</td>
<td>Chemistry 2</td>
</tr>
<tr>
<td>Life Science, Physics</td>
<td>Health Science 1</td>
</tr>
<tr>
<td>Mathematics 10</td>
<td>Police Science 1 (elective)</td>
</tr>
<tr>
<td>16-17</td>
<td>17</td>
</tr>
</tbody>
</table>

*Students intending to transfer to California State College, Los Angeles, are advised to concentrate on general education requirements in lower division. Not more than 20 units of lower division police science courses will be accepted towards total major requirements. No lower division police course should be taken which is duplicated in the upper division.*
SOCIOLOGY

For transfer to San Diego State College, Bachelor of Arts Degree

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Psychology 49 (elective)</td>
<td>History 6-A, 6-B, or History</td>
</tr>
<tr>
<td>English 1-A, 1-B</td>
<td>3 and Political Science</td>
</tr>
<tr>
<td>Sociology 1, 2</td>
<td>3 or 1</td>
</tr>
<tr>
<td>Foreign Language 4</td>
<td>Chemistry, Geology</td>
</tr>
<tr>
<td>History 4, 5</td>
<td>or Physics</td>
</tr>
<tr>
<td>Biology 1</td>
<td>Literature and/or</td>
</tr>
<tr>
<td>Health Science 1</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Speech 1-A</td>
<td>Mathematics 12</td>
</tr>
<tr>
<td></td>
<td>Art or Music History</td>
</tr>
<tr>
<td></td>
<td>Psychology 1</td>
</tr>
<tr>
<td></td>
<td>Mathematics 7 (elective)</td>
</tr>
<tr>
<td></td>
<td>Social Science</td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

TEACHING (ELEMENTARY)

For transfer to California State College, Fullerton, Bachelor of Arts Degree

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Music 1</td>
<td>27, 28</td>
</tr>
<tr>
<td>Art 3</td>
<td>Life Science</td>
</tr>
<tr>
<td>Sociology 1</td>
<td>4-5</td>
</tr>
<tr>
<td>Physical Education 44</td>
<td>History 6-A, 6-B, or Pol.</td>
</tr>
<tr>
<td>Speech 1-A</td>
<td>Sci. 3 &amp; History 3</td>
</tr>
<tr>
<td>Foreign Language 1, 2</td>
<td>Geography 1, 2</td>
</tr>
<tr>
<td>English 30</td>
<td>Math 16</td>
</tr>
<tr>
<td>English 1-A, 1-B</td>
<td>English 14</td>
</tr>
<tr>
<td></td>
<td>Education 1</td>
</tr>
<tr>
<td></td>
<td>Psychology 1</td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

TEACHING, SECONDARY

A standard teaching credential with specialization in secondary teaching authorizes an individual to teach his major and minor in grades seven through twelve. Forty-five semester hours must be completed in four of the following six areas: Humanities, social sciences, natural sciences, mathematics, fine arts and foreign languages. Since this closely parallels the general education requirements at most colleges, a student should by careful selection of courses be able to meet both sets of requirements concurrently. In addition to the area requirement above, the student must complete a teaching major (e.g., English, music, physical education, etc.), a teaching minor, and a baccalaureate degree. The program requires a minimum of five years.

TEACHING, JUNIOR COLLEGE

A standard teaching credential with specialization in junior college teaching authorizes an individual to teach his major in a junior college. Forty-five semester hours must be completed in four of the following six areas: Humanities, social sciences, natural sciences, mathematics, fine arts and foreign languages. Since this closely parallels the general education requirements at most colleges, a student should by careful selection of courses, be able to meet both sets of requirements concurrently. In addition to the area requirement above, the student must complete a master's or doctor's degree with a major in a subject matter area normally taught in junior college.
Courses of Instruction

On the pages which follow are courses which the Board of Trustees has authorized. Whether or not they are given in any particular college year depends on prospective enrollment and the availability of instructors and physical facilities. Consult the fall and spring schedules for courses actually offered.

The semester in which the course is given is indicated by “Fall” or “Spring.” However, these semester designations are subject to change. Prospective students should consult the class schedule for the semester in which they plan to enroll. Students are reminded that many of these courses are also offered in the summer, but “Summer” has not been included here unless the course is offered only in the summer session.

Transfer Credit

All offerings of the college, either academic or occupational, are taught as college courses and therefore may be accepted for transfer credit by colleges and universities which recognize these courses in their degree curricula. Courses numbered 1 through 49 are usually considered university or state college parallel courses. Courses numbered 50 and above are not primarily transfer courses. Since they are not ordinarily offered in the university or four-year colleges, they are not always applicable to the requirements for the baccalaureate degree.

Selected university and four-year college parallels are indicated by the following abbreviations:

- Cal Poly K—California Polytechnic College, Kellogg campus
- CSCF—California State College at Fullerton
- CSCLA—California State College at Los Angeles
- CSCLB—California State College at Long Beach
- SDSC—San Diego State College
- UCB—University of California, Berkeley
- UCLA—University of California, Los Angeles
- UCR—University of California, Riverside
- UCSB—University of California, Santa Barbara

Only a limited number of parallels can be given for each Riverside City College course. Students are advised to check with their counselors for others. Students are also cautioned that the four-year institutions may allow differing amounts of credit for the transfer courses.

ANATOMY
(See Physiology, page 136)

ANTHROPOLOGY

1 Physical Anthropology

Fall, Spring 3 units

Prerequisite: None

Parallels: 1, UCLA; 201, CSCLA

The relation of man to the animal world; human genetics; human evolution, with theories on the origin and antiquity of man; fossil men; racial classifications.
2 Cultural Anthropology Fall, Spring  3 units

Prerequisite: None
Parallels: 2, UCLA; 250, CSCLA
The nature of human culture, with a survey of the range of cultural phenomena of primitive peoples; processes of cultural change; social organization; primitive religions; technology and the impact of Western culture on primitive societies.

3 Prehistoric Cultures Fall, Spring  3 units

Prerequisite: None
Parallels: 3, UCLA; 202, CSCLA
The development of culture and the rise of civilization from the earliest times to the beginnings of recorded history, utilizing the concepts, methods, and data of archaeology.

ARCHITECTURE

50-A, 50-B Residential Design Year Course
50-A Fall, Spring  3 units

Prerequisite: None
Parallel: Elective, Cal Poly K
Technical drafting for the building trades using original designs, including plans, elevations, plot plans, presentation drawings, study models, and theory.

50-B Fall, Spring  3 units

Prerequisite: Architecture 50-A
Parallel: Elective, Cal Poly K
Continuation of technical drafting for the building trades using original designs, including plans, elevations, plot plans, presentation drawings, study models, and theory.

ART

1-A, 1-B History and Appreciation of Art Year Course
1-A Fall  3 units

Prerequisite: None
Parallels: 17-A, UCR; 201-A, CSCF
Survey of the history and appreciation of painting, architecture, sculpture and the minor arts. Prehistoric, Ancient and Medieval periods.

1-B Spring  3 units

Prerequisite: 1-A
Parallels: 17-B, UCR; 201-B, CSCF
Renaissance and Modern periods.

3 Art for Elementary Teachers Fall, Spring  3 units

Prerequisite: None
Parallels: Transfers to UCLA by title; 234, Cal Poly K
Creative experience in the composition of pictures, decorative designs, and the representation of natural objects. Problems in the teaching of art to children. For education majors, and others not majoring in art.

4-A, 4-B Composition in Drawing and Painting Year Course
4-A Fall  2 units

Prerequisite: None
Parallels: 5-A, UCR; 107-A, CSCF
Basic studies of form, space organization, color, and composition. Work in charcoal, ink, watercolor, pastel, and crayon.

4-B Spring  2 units

Prerequisite: Art 4-A
Parallels: 5-B, UCR; 107-B, USCF
Techniques of sketching in preparation for painting. Work in oil.

5 Introduction to Art Fall, Spring  2 units

Prerequisite: None
Parallels: 5, UCLA; 5, SDSC
The visual arts in contemporary times. Appreciative and critical approaches. Art in the community. Art and the individual. Painting, sculpture, architecture, industrial design, advertising art, the crafts. Lectures and discussion.

15 Ceramics, I Fall, Spring  2 units

Prerequisite: None
Parallel: Transferable to SDSC
A fundamental course in pottery making. Slab and coil techniques and wheel throwing, with emphasis on ceramic design, glazing, and craftsmanship. Students will be expected to pay for their own clay.

16 Ceramics, II Fall, Spring  2 units

Prerequisite: Art 15
Parallel: Transferable to SDSC
Emphasis on wheel-thrown shapes. Study of glazes and decoration techniques. Good craftsmanship and development of suitable pottery forms expected. Study of pottery past and present. Students will be expected to pay for their own clay.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Parallels</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Sculpture I</td>
<td>2</td>
<td>Prerequisite: None</td>
<td>Precedent: 14-A, UCB; 17-A, SDSC</td>
<td>Background in ceramics or three-dimensional work desirable. Work in the basic elements of sculpture, with emphasis on the human form. Problems worked out in plasticine, clay, and plaster of paris. Some carving in wood and stone. Students will be expected to pay for their own materials.</td>
</tr>
<tr>
<td>21</td>
<td>Sculpture II</td>
<td>2</td>
<td>Prerequisite: Art 20 or background in sculpture</td>
<td>Precedent: 14-B, UCB; 17-B, SDSC</td>
<td>Development of good sculpture form with emphasis on human figure. Work in clay, plaster, stone, or wood. Study of sculpture past and present. Students will be expected to pay for their own materials.</td>
</tr>
<tr>
<td>22</td>
<td>Basic Design</td>
<td>2</td>
<td>Prerequisite: None</td>
<td>Precedent: 53, CSCLB; 30-B, or 30-C, UCLA</td>
<td>Study of color and shape relationship. Work in various media, including cut paper, paper sculpture, ink, water-color; 2 and 3 dimensional projects.</td>
</tr>
<tr>
<td>25</td>
<td>Advanced Painting — Water-colors</td>
<td>2</td>
<td>Prerequisite: Art 4-A, or Art 22</td>
<td>Precedent: Elective, Cal Poly K</td>
<td>A study of the design and composition elements in painting.</td>
</tr>
<tr>
<td>26</td>
<td>Advanced Painting — Oils</td>
<td>2</td>
<td>Prerequisite: Art 4-A, or Art 22</td>
<td>Precedent: Elective, Cal Poly K</td>
<td>A study of various techniques in painting. The student will work with advanced painting problems in oil.</td>
</tr>
<tr>
<td>51-A, 51-B</td>
<td>Appreciation of Art</td>
<td>3</td>
<td>Prerequisite: None</td>
<td>Precedent: Elective, Cal Poly K</td>
<td>Prehistoric, Ancient and Medieval periods. Three lectures each week.</td>
</tr>
<tr>
<td>54-A, 54-B</td>
<td>Applied Arts</td>
<td></td>
<td>Prerequisite: Art 3 or 4-A, or may be taken concurrently.</td>
<td>Precedent: 57, CSCLB</td>
<td>Techniques of pencil drawing, charcoal, pen-and-ink, and wash drawing. Preparation of copy for college publications.</td>
</tr>
<tr>
<td>59</td>
<td>Lettering and Typography</td>
<td>2</td>
<td>Prerequisite: None</td>
<td>Precedent: 23-A, CSCLB</td>
<td>Analysis and design of letters and type faces of various styles. Practice in lettering with pen and brush.</td>
</tr>
<tr>
<td>60</td>
<td>Advertising Layout</td>
<td>2</td>
<td>Prerequisite: None</td>
<td>Precedent: 14-B, SDSC</td>
<td>Rough and abstract layouts. Presentation layouts. Finished copy for the photo-engraver.</td>
</tr>
<tr>
<td>67</td>
<td>Figure Drawing</td>
<td>2</td>
<td>Prerequisite: Art 4-B or Art 25</td>
<td>Precedent: 17-AB, CSCLA</td>
<td>Drawing and painting from the model. Studies of style in figure drawing by means of colored prints.</td>
</tr>
<tr>
<td>68</td>
<td>Figure Painting</td>
<td>2</td>
<td>Prerequisite: Art 4-B or Art 25</td>
<td>Precedent: 17-CD, CSCLB, Elective, Cal Poly K</td>
<td>Painting from the model. Study of types in the best historical sources as well as experimentation in new surface techniques.</td>
</tr>
<tr>
<td>69-A, 69-B</td>
<td>Advanced Problems in Art</td>
<td></td>
<td>Prerequisite: Permission of the counselor. Enrollment subject to review by the instructor.</td>
<td>Students work independently on approved individual problems. A wide choice of media is available. Frequent conferences with the instructor are scheduled.</td>
<td></td>
</tr>
</tbody>
</table>
ASTRONOMY

1-A, 1-B Introduction to Astronomy Year Course
Prerequisite: None
Recommended: High school algebra and geometry.
Parallel: 1, UCB (Note: Students must take the full-year course to meet the parallel at Berkeley)

1-A Introduction to the Solar System Fall, Spring 2 units
Prerequisite: None
A beginner's course in the astronomy of the sun, moon, planets and meteors. Possibilities of space flight will be discussed.

1-B Introduction to the Stars Fall, Spring 2 units
Prerequisite: None.
Recommended: Astronomy 1-A.
A beginner's course in the astronomy of the stars, star clusters, and outer galaxies.

AUTOMOTIVE TECHNOLOGY

Note—This program does not allow time for students to work on their own cars.

61 Automotive Engines and Auxiliary Systems Fall 4 units
Prerequisite: None
Vocational training in the maintenance and minor repair of engines, generators, regulators, starters, carburetors, fuel pumps, lighting systems, signal systems, power windows and seats, heating and cooling systems, exhaust systems, air conditioners and gauges. Two hours of lecture and six hours of lab per week.

62 Automotive Chassis and Drive Train Systems Spring 4 units
Prerequisite: None
A vocational course for students who plan to enter the field of automotive maintenance. This course includes maintenance and repair of clutches, transmissions, drive shafts, universal joints, differentials, rear axles, wheels, brakes, steering gear, and shock absorbers. Emphasis is placed on wheel alignment, brake reconditioning, and wheel balancing. Two hours of lecture and six hours of lab per week.

63 Automotive Engine Rebuilding Fall 4 units
Prerequisite: None
Vocational training in engine rebuilding using equipment to be found in the average garage. Includes cylinder boring and honing, valve grinding and valve seat refacing, fitting pistons, piston rings, piston pins and connecting rods; rebuilding water pumps and oil pumps; use of micrometers, dial gauges and other precision equipment. Two lecture and six lab periods per week.

65 Automotive Tuneup Fall 2 units
Prerequisite: Auto Technology 61, or completion of a third year auto mechanics course in high school.
A course for advanced students of vocational automotive mechanics. Includes adjustment, overhaul, and correction of malfunction of components of the electrical and fuel systems. Emphasis is placed on engine malfunction diagnosis using electrical/electronic test equipment such as tachometers, dwell meters, oscilloscopes, etc. One lecture and three lab periods per week.

66 Automatic Transmission Maintenance Spring 2 units
Prerequisite: Auto Technology 62, or completion of a third year auto mechanics course in high school.
Vocational training in the repair and adjustment of automatic transmissions. Students disassemble and reassemble the various types of automatic transmissions, replace or repair defective parts, adjust bands and linkage, and practice the removal and installation of transmissions. One lecture and three lab periods per week.

70-A, 70-B, 70-C, 70-D Automotive Internship Fall, Spring 2 units
(Formerly Automotive Technology 55-A, B, C, D)
Courses will be taken in alphabetical sequence, beginning with the A semester, no matter in which semester enrollment begins.
Prerequisite: Current enrollment in another automotive technology course, and consent of the instructor.
Work experience of eight hours a week with a new car dealer in Riverside.

BACTERIOLOGY (See MICROBIOLOGY)
**BIOLOGY**

1 General Biology  
Fall, Spring 4 units  
Prerequisite: None  
Parallels: Transferable to UCB; 5, SDSC  
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. Three lectures and one 3-hour laboratory period weekly.

**BOTANY**

1 General Botany  
Fall, Spring 5 units  
Prerequisite: None  
Parallels: 21, UCR; 140 CSCF  
An introduction to the plant sciences. Three lectures and two 3-hour laboratory periods weekly.

2 Plant Morphology  
Spring 4 units  
Prerequisite: Botany 1  
Parallels: 2, UCSB; transferable to SDSC as natural science.  
The evolution of the plant kingdom, dealing with the comparative morphology of the principal plant groups. Frequent field trips. Two lectures and two 3-hour laboratory periods weekly.

3 Field Botany  
Fall, Spring 4 units  
Prerequisite: Botany 1 or Biology 1  
Parallels: 3, UCLA; transferable to CSCSD as natural science.  
An introduction to the form, habit, and classification of native and ornamental plants, including forest trees. Frequent field trips. Two lectures and two 3-hour laboratory periods weekly.

**BUSINESS**

1-A, 1-B Principles of Accounting  
Year Course  
1-A  
Fall 3 units  
Prerequisite: Sophomore standing.  
Parallels: 1-A, UCLA; 53-A, CSCLB  
An introduction to accounting, theory and practice. The first semester presents the recording, analyzing, and summarizing procedures used in preparing balance sheets and income statements.

1-B  
Spring 3 units  
Prerequisite: Business 1-A.  
Parallels: 1-B, UCLA; 53-B, CSCLB  
Continuation of the introduction to accounting theory and practice. The second semester includes payroll and tax accounting, partnership and corporation accounts, manufacturing and cost accounting and the interpretation of financial statements.

10 Introduction to Business  
Fall, Spring 3 units  
Prerequisite: None  
Parallel: 51, CSCLB  
Scope, function, and organization of modern business; fundamentals, concepts, principles, and current practices in the major areas of business activity.

18-A, 18-B Business Law  
Year Course  
18-A  
Fall 3 units  
Prerequisite: Sophomore standing.  
Parallels: 18, UCB; 30-A, SDSC  
The social and practical basis of the law. Contents are: contracts, agency and employment, negotiable instruments.

18-B  
Spring 3 units  
Prerequisite: Business 18-A.  
Parallel: 30-B, SDSC  
Personal property, sales, partnerships, corporations, real property, bankruptcy, trusts and estates.

32 Mathematics of Finance  
(Formerly Mathematics 32)  
Spring 3 units  
Prerequisite: Mathematics D, or equivalent  
Parallel: 106, Cal Poly K  
Simple and compound interest, discount, annuities, payment of debts by various methods, depreciation and capitalized cost, and related topics. Designed for students interested in commerce or business administration.

50-A, 50-B Business Mathematics  
Year Course  
50-A  
Fall, Spring 3 units  
Prerequisite: Qualifying test score.  
A review of the fundamentals of arithmetic necessary for competent participation in business. Fractions, decimals, percentage, interest, bank discount, negotiable instruments and payroll.
50-B Spring 3 units

Prerequisite: Business 50-A

Present worth and true discount, partial payments, installment plan and equation of accounts, mathematics of investment, including stock purchases and sales, real estate, insurance and distribution of profits and dividends.

51-A, 51-B Elementary Accounting Year Course 51-A Fall, Spring 3 units

Prerequisite: Business 50-A, or may be taken concurrently

Parallel: Elective, Cal Poly K

Designed to train managers, accountants, and bookkeepers in the following basic principles: debits and credits, classification of accounts, use of journals and special journals, use of ledgers and subsidiary ledgers, and preparation of financial statements.

51-B Fall, Spring 3 units

Prerequisite: 51-A or 59-B, or 2 years of high school bookkeeping

Parallel: Elective, Cal Poly K

A review of basic fundamentals plus an understanding of prepaid expenses, deferred income, accruals, bad debts, depreciation, control of cash, and analysis of financial statements.

51-C Fundamental Accounting Fall, Spring 3 units

Prerequisite: Business 1-A or 51-B

Parallel: Elective, Cal Poly K

Voucher systems, partnerships, corporations, investments, valuation of current and fixed assets, ratios, stocks, bonds, agencies, branches, installment sales, consignments, and manufacturing statements.

52 Payroll Accounting Fall 2 units

Prerequisite: Business 51-A or 59-B

Parallel: Elective, Cal Poly K

A study of the accounting aspects of the Social Security Act, the California Unemployment Insurance Act and the California Workman’s Compensation Insurance Act.

53 Income Tax Accounting Spring 3 units

Prerequisite: High school or college bookkeeping or accounting or equivalent practical experience.

Parallel: Elective, Cal Poly K

A study of the theory and method of preparation of income tax returns for individuals, partnerships and corporations. Actual forms are studied and returns are prepared.

54 Cost Accounting Spring 3 units

Prerequisite: Business 1-B or Business 51-C

Parallel: Accounting 221, Cal Poly K

Job order costs, process costs, standard costs, estimated costs, factory ledgers, by-products, joint products, and distribution costs. These principles are applied to a practice manufacturing set.

59-A, 59-B Bookkeeping Year Course 59-A Fall, Spring 3 units

Prerequisite: Not open to students who have completed one year of high school bookkeeping with a grade of C or better.

This course is built around the activities of the general clerical worker. Instruction covers journalizing, posting, trial balance, work sheet, financial reports, the recording of cash, purchases and sales transactions in special journals, and the combination journal for small businesses.

59-B Spring 3 units

Prerequisite: Business 59-A

Further activities of the general clerical worker. Contents include sales and purchase journals, payroll, property records, and depreciation.

60 Beginning Typewriting Fall, Spring 2 units

Prerequisite: None

Parallel: Office Administration 141, Cal Poly K

For students who have had no previous training in the operation of a typewriter. The course stresses mastery of keyboard, with some production in the field of business letters, tabulations, and related skills.

62 Intermediate Typewriting Fall, Spring 2 units

Prerequisite: One year of high school typing or Business 60

Parallel: Office Administration 142, Cal Poly K

Planned for those who have developed some typing speed but wish to gain a higher speed and accuracy. Course consists of intensive drills, business letters, tabulation, and manuscript writing.

63 Advanced Typewriting Fall, Spring 2 units

Prerequisite: Business 62
Parallel: Office Administration 143, Cal Poly K

Business letters, typing from rough drafts, manuscripts, reports, minutes of meetings, legal documents, business forms, and statistical information. Includes also a laboratory course in the preparation of stencils, and operation of the mimeograph, standard duplicator, and mimeoscope.

64 Business English Fall, Spring 3 units

Prerequisite: Business 62, or may be taken concurrently.

Parallel: Elective, Cal Poly K


65 Beginning Shorthand Fall, Spring 3 units

Prerequisite: English 50-A or I-A, or taken concurrently, and completion of one year of high school typewriting, or Business 60.

Parallel: Office Administration 244, Cal Poly K

A basic course in theory and practice of Gregg Shorthand. Concentration on word-building principles and mastery of shorthand theory. Mailable business letters are transcribed in the last quarter of the course.

66 Intermediate Shorthand and Transcription Fall, Spring 3 units

Prerequisite: Business 65 or one year high school Gregg Shorthand and English 50-A or English 1-A. The English course may be taken concurrently.

Parallel: Office Administration 245, Cal Poly K

Review of shorthand theory and practice will preface the main content of the course. Students will continue to develop their skill to produce mailable and verbatim transcripts of business letters. A writing speed twenty words above the student's entering rate is developed.

67 Advanced Shorthand and Transcription Fall, Spring 3 units

Prerequisite: Business 66 or two years of high school shorthand, and English 50-A or 1-A. The English course may be taken concurrently.

Student should expect to achieve a shorthand speed of twenty words per minute above his entering rate as well as to develop the ability to produce mailable and verbatim transcripts of business letters of at least 100 words per minute.

68 Specialized Shorthand and Transcription Spring 3 units

Prerequisite: Business 67 and English 50-A or I-A. The English courses may be taken concurrently.

A writing speed twenty words above the student's entering rate is developed. Medical, legal, and scientific vocabularies are offered. Standard business-letter dictation is also given to retain previously developed skills.

69 Office Practice Spring 3 units

Prerequisite: Business 62, or may be taken concurrently.

A finishing course for secretarial, stenographic, clerical and business administration students in office procedures, routines, systems and decorum. It includes personality development, study of problems of human relations in offices.

70 Filing Fall, Spring 2 units

Prerequisite: Business 62, or may be taken concurrently.

A course in fundamentals and basic procedures of filing. A study of alphabetical, numerical, geographical and subject filing.

71-A, 71-B Secretarial Work Experience Year Course

71-A Fall, Spring 2 units

Prerequisite: Business 62 or may be taken concurrently.

The student is assigned to a faculty member to act as secretary and will have the opportunity to meet the same work production demands encountered in paid employment.

71-B Fall, Spring 2 units

Prerequisite: Business 71-A.

The student secretary is reassigned to a different department to familiarize her with technical information and terminology in a different field.

72 Office Machines Fall, Spring 2 units

Prerequisite: Math 90 or qualifying test score.

A laboratory course designed to give students the fundamental operative skills of the following machines: key-driven calculators, rotary calculators, and 10-key adding machines.

73 Advanced Office Machines Fall, Spring 2 units

Prerequisite: Business 72

A laboratory course designed to give a student advanced training in speed and accuracy on the key-driven calculator, printing calculator, and the rotary calculator.
74 Machine Accounting Fall, Spring 2 units
Prerequisite: Business 72 and 1-A, or 51-A, or 59-B.
Designed to train students in the operation of the following: Burroughs bookkeeping machines, Monroe bookkeeping machines, and Model 3200 NCR accounting machines.

75 Advertising Fall, Spring 3 units
Prerequisite: None
The effect of advertising on our society, its relation to such disciplines as psychology and sociology, how it is organized, how it is controlled, how it uses research, how it communicates ideas, and how it uses our media of communication.

76-A, 76-B Small Business Organization & Management Year Course

76-A Fall 3 units
Prerequisite: None
Parallel: Elective, Cal Poly
The American enterprise system, the nature and extent of American business, and opportunities in business, types of business organizations such as sole proprietorships, partnerships, and corporations.

76-B (Formerly Business 77) Spring 3 units
Prerequisite: Business 76-A
Parallel: Elective, Cal Poly K
Credit policies and procedures, financial records needed in business risks and insurance, banking and financial problems, selecting, training, and promoting employees, government regulations, taxation and success factors in business.

77-A, 77-B, 77-C, 77-D Internship in Distributive Education Fall, Spring 2 units
(This course is not related in any way to Business 77, Small Business Management, offered in 1964-65).
Prerequisite: Enrolled in at least one of the following: Business 75, 76-AB, 78 or 79. Enrolled in at least 12 units including internship class. Approval of a counselor and the coordinator of Distributive Education. C average required.
A control class devoted to the analysis of basic concepts in distributive education. Specific problems encountered by students at work stations will be discussed. Individual and group conferences will be arranged. Required of all students desiring credit for distributive education work experience. Meets one hour weekly and includes supervised employment in business for an average of fifteen hours per week extending over at least twelve weeks of the semester.

78 Retail Management Fall, Spring 3 units
Prerequisite: None
Parallel: Elective, Cal Poly K
Analysis of independent, chain and department store merchandising methods and techniques. Emphasis on personnel, store layout, buying, pricing, sales promotion, expense control, and merchandise policies. Lectures, discussions, and visiting speakers will prepare the student to draft a comprehensive plan for a future business of his own.

79 Techniques of Selling Fall, Spring 3 units
Prerequisite: None
Parallel: Elective, Cal Poly K
Develops a professional concept of the function of salesmanship in the economy today. Analyzes the steps in selling and considers their application to the sale of goods and services. Emphasizes psychological factors in persuasive relationships between people.

80 Introduction to Data Processing Fall, Spring 3 units
Prerequisite: None
Basic concepts of data processing common to manual, punched card, and computer systems, with emphasis upon practices in punched card systems.

81 Electro-mechanical Machines Fall, Spring 3 units
Prerequisite: Business 80 with grade C or better.
Practical application of the concepts of data processing to IBM punched card equipment. Control panel wiring of accounting machine, collator, reproducer, interpreter, calculator.

82 Keypunch Training for the Deaf Spring 2 units
Prerequisite: Serious hearing impairment. Typing ability, 45 WPM.
Primary emphasis is upon keypunch operation and key verifying. Other aspects of punched card data processing, including coding, flow charting, and other machine processing are introduced to acquaint the keypunch operator with data processing in general.
84 Problems in Punched Card Data Processing  Fall, Spring  3 units
Prerequisite: Business 80 and 81 with grade C or better.
Supervised problem solving with punched card equipment. Simulation of actual working conditions and requirements.

86-A, 86-B Computer Programming  Year Course
86-A  Fall, Spring  3 units
Prerequisites: Mathematics A or high school algebra and Business 80 each with grade C or better.

86-B  Fall, Spring  3 units
Prerequisites: Business 86-A with grade C or better.
FORTRAN programming system. Commercial and scientific applications using both FORTRAN and SPS languages.

87 Problems in Computer Data Processing  Fall, Spring  3 units
Prerequisite: Business 80 and Business 86-A each with grade C or better.
Application of the computer to commercial and scientific problems or procedures, using absolute, SPS, or FORTRAN languages.

89 Data Processing Systems  Spring  3 units
Prerequisite: Business 80 and Business 86-A each with grade C or better.
Study of data processing in manual, mechanical, semi-automatic, and automatic systems for developing the most effective use of materials, machines, personnel, and data.

90 Principles of Real Estate  Fall, Spring  3 units
Prerequisite: None
A beginning course designed to introduce the student to real estate fundamentals and principles: real estate licenses, property ownership, deeds, titles, county records, powers of attorney, mortgage and trust deeds.

91 Trends and Factors in Real Estate  Fall, Spring  3 units
Prerequisite: Business 90 or employment in real estate.
The economic aspects of real estate and land use. It is designed to provide a grasp of the dynamic factors which create values in real estate.

92 Real Estate Finance  Fall, Spring  3 units
Prerequisite: Business 90 or Business 91.
A practical study and analysis of real estate financing, with actual case illustrations demonstrating: lending policies, problems, and risks involved in financing transactions in residential, apartment, commercial, and special purpose properties.

93 Real Estate Appraisal  Fall, Spring  3 units
Prerequisite: None
A practical study and analysis of real estate appraising, primarily concerned with residential and small multiple unit properties. The basic concepts and definitions as used in the process of appraising real property.

94 Real Estate Law  Fall, Spring  3 units
Prerequisite: Business 90 or Business 91.
Introduction to real estate law. Development of land titles and the law of real estate in California, sources of real estate law, court decisions and their effect on titles, court structure in California.

95 Real Estate Practice  Fall, Spring  3 units
Prerequisite: Business 90 or Business 91.
The important phases of day to day operations in real estate brokerage. Instruction in listing procedures, effective advertising, sales techniques, financing, appraising, property management, leasing.

96-A, 96-B Escrow Procedures  Year Course
96-A Escrow Procedures I  Fall, Spring  3 units
Prerequisite: None
Methods and techniques of escrow procedure for various types of business transactions with emphasis on real estate, including the legal and ethical responsibilities of persons engaged in escrow work.

96-B Escrow Procedures II  Fall, Spring  3 units
Prerequisite: Business 96-A or one year's experience as an escrow officer
A continuation of Business 96-A. The second semester places emphasis on advanced escrow problems and legal procedures. This covers the more unusual and difficult types of escrows and evaluating the possible solutions. Lecture, discussion, and the secondary case problem approach is basically used.
99 Introduction to Business Law  
Fall, Spring 3 units
Prerequisite: None
An elective course for all students interested in obtaining a background in fundamental, everyday legal problems. Topics are considered from a personal and business point of view, rather than that of the law courts.

CHEMISTRY

1-A, 1-B Chemistry Year Course

1-A  
Fall, Spring 5 units
Prerequisite: High school chemistry or physics with not less than a C grade, or Chemistry 2 or 4; mathematics through intermediate algebra with at least a C grade. Mathematics 7 to be taken concurrently, except when mathematics through trigonometry has been completed with no grade less than C.
Parallels: 1-A, UCR; 1-A, UCB; 101-A, CSCF
A basic course in the principles of chemistry with special emphasis on chemical calculations. This course is required in colleges of engineering, chemistry and agriculture, and of pre-dental, pre-medical, pre-optometry, and pre-pharmacy students, and of those majoring in microbiology, geology, and dietetics. Three lectures and two 3-hour laboratory periods weekly.

1-B  
Fall, Spring 5 units
Prerequisite: Chemistry 1-B
Parallels: 1-B, UCR; 1-B, UCB; 101-B, CSCF
Descriptive chemistry with special emphasis on the theory and techniques of qualitative analysis. Three lectures and two 3-hour laboratory periods weekly.

2 Introductory General Chemistry  
Fall, Spring 5 units
Prerequisite: None. Not open to students enrolled in Chemistry 1-A. Recommended: Math A (Algebra).
Parallels: Meets one semester of laboratory science at UCR; Chemistry 4, Physical Science 103, Cal Poly K
An introductory course in the principles of inorganic chemistry with a brief introduction to organic and physiological chemistry. This course generally meets the chemistry requirements for nurses, for majors in physical education, and for majors in home economics. Three lectures and two 3-hour laboratory periods weekly.

4 Introductory General Chemistry  
Fall, Spring 4 units
Prerequisite: None
Parallels: Meets one semester laboratory science at UCR; Chemistry 4, Physical Science 103, Cal Poly K
Identical to Chemistry 2, but with one laboratory. Three hours of lecture and one 3-hour laboratory each week. This course may be taken for credit in physical science by students following curricula requiring only one unit of laboratory work.

5 Quantitative Analysis  
Fall 4 units
Prerequisites: Chemistry 1-B, with grade of C
Parallels: 5, UCB; 23, UCR; 4, SDSC
The principles and methods of volumetric and gravimetric analysis and their applications to simple methods of commercial analysis. Two lectures and two or three 3-hour laboratory periods weekly.

8 Elementary Organic Chemistry  
Spring 3 units
Prerequisite: Chemistry 1-A and 1-B with a grade of C
Chemistry 2 or 4 with a grade of B will be accepted for non-science majors.
Parallels: 8, UCLA; 12, SDSC (Note: Students must also take Chemistry 9 to meet parallel requirements at SDSC).
An introduction to the structure, nomenclature, physical properties, reactions, preparation, occurrence and the uses of the various classes of compounds.

9 Organic Laboratory  
Spring 3 units
Prerequisite: Chemistry 8, either completed or taken concurrently.
Parallels: 9, UCLA; 12, SDSC (Note: Student must also take Chemistry 8 to meet parallel requirements at SDSC.)
Lecture and quiz on principles of laboratory manipulations, 1 hour; laboratory, 6 hours. Laboratory work devoted to a study of physical properties and chemical reactions of the common classes of organic compounds.

COSMETOLOGY

The curriculum in cosmetology conforms to all state laws and the regulations of the State Board of Cosmetology. Students are given instruction in ethics and proper shop practices. Salesmanship is taught by actual experience, and students learn to evaluate supplies and equipment. Required related subjects include personal hygiene, public health, physiology and anatomy, chemistry, bacteriology and psychology. In order to receive a certificate, a minimum average of C in the program is required.
Upon satisfactory completion of the 1600 hours (which requires 12 full months) and completion of the required number of operations, the student is eligible to take the State Board Examination. When the student passes the examination, he will receive an operator's license.

Students interested in entering the cosmetology program should complete the following steps in order.

1. File application in Admissions Office and mark it Cosmetology and the month you wish to enter the program.
2. After your application is filed, report to the Cosmetology Building to fill out special information cards.
3. Take college guidance tests.
4. Send two copies of high school transcript to the Admissions Office. If transcript does not show completion of tenth grade, applicant should take G.E.D. Test to establish tenth grade equivalency. Make arrangements to do this through the College Extended Day Office.
5. Arrange to take G.A.T.B. Test at California State Employment Office.
6. When completed, call Cosmetology Department, 684-3246, for verification of the interview date.

All of these steps should be completed at least two weeks before the beginning of the course.

51 Introduction to Cosmetology  Offered in  
Sept., Jan. and March or April  12 units
Prerequisite: Admission to the program.
This is the first cosmetology course and it requires 440 hours. Instruction is given in the following areas: chemical composition and correct application of shampoos; finger-waving and shaping; curl construction, including pin curling and sculpture curling; cold waving, including chemical composition of and reactions to materials used; color rinses and vegetable tints; manicuring; and basic hair cutting. This course includes lectures in theory as well as laboratory work.

52 Intermediate Cosmetology  Offered in  
Sept., Jan. and March or April  16 units
Prerequisite: Completion of Cosmetology 51 with a C grade or better, or by special arrangement with the chairman of the Cosmetology Department.
The intermediate Cosmetology course includes 512 hours and consists of instruction in the following areas: hairstyling and introductory contest work; introduction to salon clinic, permanent hair coloring, massage and scalp treatments, intermediate permanent waving, and hair shaping. The course includes lectures in intermediate theory as well as laboratory experience in the salon clinic. Training and experience as a receptionist is also given.

53 Advanced Cosmetology  Offered in  
Sept., Jan. and March or April  20 units
Prerequisite: Completion of Cosmetology 52 with a C grade or better or by special arrangement with the chairman of the Cosmetology Department.
The advanced course includes senior hair styling and contest work and experience in the salon clinic doing shampooing, hair shaping, manicuring, permanent waving, hair coloring, and giving facials and scalp treatments. Salesmanship is learned through actual practice. Students also serve as receptionists in the college salon. The course includes advanced theory and 127 hours of State Board preparatory testing.

ECONOMICS

1-A, 1-B Principles of Economics  Year Course

1-A Fall 3 units
Prerequisite: Qualifying test scores and sophomore standing.
Parallels: 1-A, UCR; 1-A, CSCLB
A study of the principles of economics, stressing such fundamental theories as those of national income and employment, money and banking, and pricing and the allocation of resources.

1-B Spring 3 units
Prerequisite: Economics 1-A
Parallels: 1-A, UCR; 1-B, CSCLB
The distribution of income, government finance, international economics, and economic growth.

3 Economic Institutions and Problems  Fall 2 units
Prerequisites: None. Not open to students enrolled in Economics 1-A.
Parallel: 54, CSCLB. (Note: Students must also take Economics 4 to meet CSCLB parallel requirement)
Less theoretical in approach than Economics 1 with greater emphasis upon economic institutions and current economic problems. Emphasis is placed on industrial and agricultural organization, population, income and wealth distribution, consumer economics, and personal investment. Students who plan to take upper division work in economics should enroll in Economics 1-A, 1-B.
4 Economic Institutions and Problems  
Spring 2 units  
Prerequisite: None. Not open to students enrolled in Economics 1-A  
A study of resource allocation, economic instability, government intervention, taxation, and interregional trade.

EDUCATION
1 Introduction to Education  
Spring 3 units  
Prerequisite: Sophomore standing with a C average.  
Parallel: 107, Cal Poly K  
An introduction to the principles of education, with emphasis on the role and requirements of the teacher. Guided observations of classes in the elementary and secondary schools are stressed.

ELECTRONICS
Electronics 10  
Spring 4 units  
Electronics for Industrial Arts Majors  
Prerequisite: None  
Parallel: 61, SDSC  
Designed for industrial arts majors, engineering aides, and other students who desire a general electronic background. Basic electrical theory, electronics, components and circuitry, and radio systems, both AM and FM will be covered. Lecture three hours, laboratory three hours.

51 Electrical Fundamentals of Electronics  
Fall 7 units  
Prerequisite: 1 year high school algebra or Math A.  
Parallel: Electronics 101-2, 141-2, Cal Poly K.  
Basic electrical theory, including Ohm's Law, series, parallel, basic atomic structure, AC theory, vectors, vacuum tube and solid state devices. Five lecture and six laboratory periods weekly.

52 Electronic Math  
Fall 3 units  
Prerequisite: 1 year high school algebra or Math A  
Parallel: Elective, Cal Poly K  
Required of all electronics majors. Practical applications of Ohm's Law, resonance and impedance formulae, vectors and other related math will be included in the course. Three lecture periods weekly.

53 Electronic Circuitry  
Spring 7 units  
Prerequisite: Electronics 51 and 52.

54 Electronic Measurements  
Fall 2 units  
Prerequisite: Electronics 51 concurrently.  
Parallel: Elective, Cal Poly K  
The fundamentals of measurements and proper measuring procedures. Includes measurement of voltage, current, resistance, capacitance, inductance, impedance, power, phase, distortion, audio and radio frequencies. Careful procedures and correct use of instruments are stressed. One lecture and four laboratory periods weekly.

55 Report Writing  
Fall 1 unit  
Prerequisite: Electronics 51 or concurrently.  
Correct procedures for organizing and presenting data in the form of a technical paper. Includes an analysis of common hazards in grammar and spelling. One lecture period weekly.

56 Computer Mathematics  
Spring 3 units  
Prerequisite: Electronics 51  
Parallel: Math 217, Cal Poly K  
Special mathematics essential to the understanding of modern electronic computers and cybernetic systems. Binary arithmetic, Boolean algebra, and an introduction to calculus are included. Three lecture periods weekly.

57 Electronics Drafting  
Fall 1 unit  
Prerequisite: Electronics 51 and 52 may be taken concurrently.  
Parallel: 146, Cal Poly K  
Basic drafting procedures, with emphasis on their usage in electronic drafting. Lettering, schematic diagrams, chassis lay-out, as well as rough lay-out, and the use of aids such as templates will be emphasized. Interpretation of military specifications will be included. Two 2-hour labs per week.

60 Introduction to Electronics  
Summer 1 unit  
Prerequisite: None  
Parallel: Elective, Cal Poly K  
An introduction to electronic devices, circuits, and techniques. Includes semi-conductor devices and simple cir-
cuits. Introduces the student to good wiring practice, commercial techniques, and printed circuits. Three hours lecture and three hours laboratory per week.

61 Microwave Techniques  
Fall 4 units  
Prerequisite: Electronics 53 and 54  
Parallel: Elective, Cal Poly K  
Techniques and hardware involved in the generation, propagation, and reception of microwave signals. Includes solid state microwave devices. Two lecture and six laboratory periods weekly.

62 Audio and Radio Frequency Circuits  
Fall 4 units  
Prerequisites: Electronics 53 and 54.  
Parallel: Elective, Cal Poly K  
Radio receiver circuitry, with the modifications of the super heterodyne receiver as found in AM and FM entertainment equipment, communications receivers, and mobile equipment. Generation of radio frequency power, and its modulation, both by amplitude and by frequency, including multiplex systems. Components and circuitry in PA and high fidelity, both monaural and stereo. Two hours lecture and six hours laboratory weekly.

63 Television  
Spring 3 units  
Prerequisite: Electronics 62  
The television system, both black and white and color. Detailed analysis of the TV signals, and of the receivers for both color and black and white. Closed circuit TV operation. Two lectures and three laboratory periods weekly.

64 Industrial Electronics  
Spring 5 units  
Prerequisite: Electronics 53 and 54  
Parallel: Elective, Cal Poly K  
Electronic circuits used for industrial control and automation. Includes servo mechanisms, gas and solid state control devices, photo electric and infrared devices. Three lecture and six laboratory period weekly.

65 Computers  
Spring 3 units  
Parallel: Elective, Cal Poly K  
Prerequisite: Electronics 56  
Analog, digital and hybrid circuits will be analyzed and integrated into complete systems. Extensive use will be made of system and logic diagrams. Two lecture and four laboratory periods weekly.

68 Advanced Electronic Measurement  
Spring 4 units  
Prerequisite: Electronics 53  
Parallel: Elective, Cal Poly K  
The use of more sophisticated instruments for critical measurements. Includes digital measurements, audio-measurements, radio frequency measurements and other specialized measurements. Two lectures and six laboratory hours weekly.

69 Semi-Conductors  
Fall 4 units  
Prerequisite: Electronics 51  
Parallel: Elective, Cal Poly K  
Semi-conductor devices, theory of operation of the transistor, and other solid state devices. Interpretations of specifications, and control of temperature problems. Two lectures and six hours laboratory weekly.

80 Fundamentals of Electronics  
Fall 4 units  
Prerequisite: 1 year high school algebra or Math A  
Parallel: EI 101-141, Cal Poly K  
Basic electrical theory including Ohm's Law, impedance, vectors, A.C. theory, and an introduction to vacuum tubes and solid state devices. Three lectures and one 3-hour laboratory weekly.

81 Materials and Techniques of Electronics  
Fall, Spring 1 unit  
Prerequisite: None  
An introduction to construction and service practices. Includes wiring, soldering, chassis and panel layout, marking fabrication, circuit board techniques, and military requirements. Three hours of laboratory weekly.

82 Electronic Circuits  
Fall, Spring 4 units  
Prerequisite: Electronics 80  
A course in basic circuit analysis. Includes power supplies, amplifiers, oscillators, and wave shapers. Three hour lecture and three hour laboratory weekly.

83 Semi-conductors Theory and Practice  
Fall, Spring 3 units  
Prerequisite: Electronics 82  
Component and Environmental Measurements Year Course

84-A, 84-B

84-A

Component and Environmental Measurements Year Course Summer 1 unit

Prerequisite: Electronics 80
Measurement of common electronic components and use of basic measuring instruments. Lecture one and one-half hours; laboratory four and one-half hours weekly.

84-B

Summer 1 unit

Prerequisite: Electronics 84-A
Industrial measurements and measurement of effects of environmental extremes on electronic components. Lecture one and one-half hours; laboratory four and one-half hours weekly.

ENGINEERING

Instruction in the engineering major is based upon high school chemistry or physics and four years of high school mathematics, including intermediate and advanced algebra and trigonometry.

1-A, 1-B Plane Surveying Year Course

1-A

Fall 3 units

Prerequisite: Plane trigonometry with grade of C or better and one year of high school mechanical drawing or Engineering 50.
Parallels: Transferable to UCB; 2, SDSC.
Field practice in the use and care of surveying equipment. Two lectures and one 3-hour laboratory weekly.

1-B

Spring 3 units

Prerequisite: Engineering 1-A
Topographic surveying, mining surveying, hydrographic surveying, principles of field astronomy, and plane table surveying.
Field practice, calculations and mapping. Two lectures and one 3-hour field or mapping period weekly.

10 Measurements

Spring 3 units

Prerequisite: Math 3-A
Parallels: Transferable to UCB; 24, SDSC.
Theory and practice of measurements as applied to engineering. Laboratory exercises and demonstrations relating to measurements for various fields of engineering. Probability theory. Two lectures and one 3-hour laboratory period weekly.

17 Introduction to Electronic Systems, Circuits, and Devices.

Prerequisite: Physics 4-B and Math 1-B, or Math 3-B
Parallels: 17, UCB; Elective, CSCF
Introduction to typical systems and circuits; physical electronics of semi-conductors and vacuum devices; characteristics and circuit models of useful electronic devices; analysis of typical amplifying and switching circuits.

22 Engineering Drawing

Fall, Spring 2 units

Prerequisite: Engineering 50 or one year of high school drawing.
Parallels: Transferable to UCB; 20-A, SDSC.
Geometric construction; orthogonal projections; complete dimensioning and callouts; machine manufacturing processes; introduction to D.R.M. and standards; drawings in fields of machine drawings, castings, forgings, sheet metal, piping layouts, electrical layouts, contour mapping, assembly drawings.

23 Descriptive Geometry

Fall, Spring 2 units

Prerequisite: Engineering 22 and Mathematics C
Parallels: Transferable to UCB; 20-B, SDSC.
The fundamental principles and application to the solution of space problems arising in engineering. Two 3-hour laboratory periods weekly.

24 Advanced Engineering Drawing

Fall 2 units

Prerequisite: Engineering 23
Parallel: Transferable to UCB
Drawing to include functional scales, empirical equations, nomographs, graphical calculus, layout drawings, and simple design problems. Two 3-hour laboratory periods weekly.

35 Statics (Engineering Mechanics)

Spring 3 units

Prerequisite: Mathematics 1-B, or 3-B and Physics 4-A
Parallels: 36, UCB; 50, SDSC
Force and equilibrium problems, free body diagram techniques, friction problems, second moments and moments of inertia, and their applications to engineering. Algebraic and graphic methods of calculation. Three lectures weekly.
45 Properties of Materials  
Prerequisite: Chemistry 1-A and either Physics 2-A or Physics 4-A  
Parallels: 45, UCB; 25, SDSC  
Structural properties and adaptability of various materials. Study of materials of engineering from the point of view of chemical composition and behavior. Elementary heat treatment of metals and elementary physical testing of metals. Occasional field trips. Two lectures and one 3-hour laboratory period weekly.

50 Mechanical Drawing  
Prerequisite: None  
Fundamentals of mechanical drawing. Open to students who have had less than one year of mechanical drawing in high school.

51 Blueprint Reading  
Prerequisite: None  
A beginning course in the study of blueprints and their interpretation. Types of projection, symbols and abbreviations.

ENGLISH
1-A, 1-B English Composition  
1-A Composition  
Prerequisite: Qualifying test scores  
Parallels: 1-A, UCR; 1-A, SDSC  
Emphasis on exposition. The course is designed to develop competence in rhetorical skills. Extensive reading assignments and writing in exposition, argument, and research are made.

1-B Literature and Composition  
Prerequisite: English 1-A  
Parallels: 1-B, UCB; 1-B, SDSC  
The course is designed to encourage reading, interpretation, analysis and criticism of imaginative literature with emphasis on poetry, drama, short story and novel and of composition, a minimum of 8,000 words being required.

6 English Literature  
Prerequisite: English 1-B. Required for English majors.

7 English Literature  
Prerequisite: English 1-B  
Parallels: 23-B, UCR; 56-B, SDSC  
Survey of English literature from its beginning to 1800, covering the important historical periods and movements, personalities, and individual literary work. Attention is given to all types of literature including examples of poetry and drama and fictional and non-fictional prose.

11-A, 11-B Creative Writing  
11-A  
Prerequisite: None  
Parallels: 61, SDSC; 302, Cal Poly K  
Studies in narrative technique encompassing character development, scene, presentation of viewpoint, problems of setting and development and control of mood. Complication, atmosphere, thematic, and character revelatory short stories will be emphasized.

11-B  
Prerequisite: English 11-A  
Parallels: 62, SDSC; 303, Cal Poly K  
Special emphasis on the techniques of the short story applied to writing of the short novel.

14 American Literature  
Prerequisite: Qualifying test score.  
Parallels: 30, UCB; 221, CSCF  
A study of the achievements in American letters from colonial times to 1850, outstanding literary personalities, memorable works and reflections of American thought in literature. Lectures, discussions, collateral readings, and oral reports.

15 American Literature  
Prerequisite: Qualifying test score.  
Parallel: 222, CSCF  
From 1850 to the present.

27 The Art of the Cinema  
Prerequisite: None  
Parallel: Transferable to UCR
The history and the esthetics of motion pictures. Films are compared to other forms of narrative and pictorial art. Attention is given to plays, short stories, and novels as they develop into scenarios and, finally, into the finished film. Examples of films significant in the history and the art of the film are shown, from the beginnings to the modern use of films for television. Study is directed toward the greater understanding and enjoyment of motion pictures as an art form.

30 Children's Literature Fall, Spring 3 units
Prerequisite: None
Parallel: Elective, Cal Poly K
A general survey of children's literature from early times, with emphasis on contemporary material. Oral presentation is stressed, but some writing is required.

40 Masterpieces of World Literature Fall 3 units
Prerequisite: English 1-A
Parallels: 52-A, SDSC; 44-A, UCB
A study of great books in world literature, exclusive of English and American. The highest achievements in the literature of different countries from the beginning to Cervantes are studied for their artistic form and for their contribution to modern thought.

41 Masterpieces of World Literature Spring 3 units
Prerequisite: English 1-A
Parallels: 52-B, SDSC; 44-B, UCB
From Cervantes to the present.

44 Discovering Modern Poetry Fall 2 units
Prerequisite: None
Parallel: 203, Cal Poly K
Discovering Modern Poetry is the study of current and contemporary poetry in modern society; the role of the poet as interpreter and voice of the social dilemmas and crises of the contemporary world.

45 Discovering Modern Drama Fall 2 units
Prerequisite: None
Parallel: 202, Cal Poly K
Discovering Modern Drama is the study of current and contemporary drama in modern society; the role of the dramatist as interpreter and voice of the social dilemmas and crises of the contemporary world.
comprehension, together with written exposition relating to the material read.

**English 54  Story and Word Analysis for the Deaf  Summer  3 units**

Prerequisite: None
Designated for deaf students to develop abilities in understanding story content, together with intensive word study relating to the material read.

**FIRE SCIENCE**

59  **Fire Company Organization and Procedure**  
Fall or Spring  3 units

Prerequisite: None
Review of fire department organization; fire company organization; the company officer; personnel administration; communications; fire equipment; maintenance; training; fire prevention; fire fighting; company fire fighting capability; records and reports.

60  **Emergency Rescue Practices**  
Fall or Spring  3 units

Prerequisite: None
Life saving practices pertaining to the fire company; training for resuscitator squads; rescue equipment; the Fire Department's role in Civil Defense and other disaster acts; chemicals and diseases that affect breathing; California law on first aid; breathing apparatus.

**FRENCH**

1  **Elementary French**  
Fall, Spring  4 units

Prerequisite: None
Parallels: 101, CSCF; French 1-3, or equivalent, meets twelfth unit level degree requirement for UCR.
Study of French, including grammar, pronunciation, conversation, composition, and reading of simple literary French. An additional 1-hour period for laboratory work is required weekly.

2  **Elementary French**  
Fall, Spring  4 units

Prerequisite: French 1, or two years of high school French with at least a C average.
Parallel: 102, CSCF
Continued study of French grammar, pronunciation and composition, with emphasis on conversation. Continued reading of simple literary French. An additional hour of laboratory work is required weekly.

3  **Intermediate French**  
Fall, Spring  4 units

Prerequisite: French 2, or three years of high school French with at least a C average.
Parallel: 203, CSCF; French 1-3, or equivalent, meets twelfth unit level degree requirement for UCR.
Reading of fairly difficult French literature, oral and written composition, and further study of correct grammatical and idiomatic usage of French. An additional 1-hour period of laboratory is required.

4  **Intermediate French**  
Spring  4 units

Prerequisite: French 3, or four years of high school French with at least a C average.
Parallel: 204, CSCF
Further study of correct grammatical and idiomatic usage of French, oral and written composition, and continued reading of fairly difficult French literature. An additional 1-hour period of laboratory work is required.

51  **Conversational French**  
Fall, Spring  2 units

Prerequisite: None
A non-grammatical approach to reading and speaking French, with an emphasis on conversation.

52  **Conversational French**  
Fall, Spring  2 units

Prerequisite: French 51
Instruction in the reading and speaking of French, with an emphasis on conversation. The approach is non-grammatical.

**GEOGRAPHY**

1  **Introductory Physical Geography**  
Fall, Spring  3 units

Prerequisite: None
Parallels: 1-A, UCR; 111, CSCF
A study of the basic physical elements of the earth: rock structures, land forms, weather, climates, soils, natural vegetation, and mineral resources.

2  **Introductory Cultural Geography**  
Spring  3 units

Prerequisite: None
Parallels: 1-B, UCR; 2, SDSC
A study of the basic cultural elements of geography (population distribution and general land use patterns) and their correlation with the physical elements. Delimitation of the major geographic regions of the world.
GEOLOGY

1-A, 1-B Introductory Geology Year Course

1-A Introductory Physical Geology Fall, Spring 4 units
Prerequisite: None
Parallels: 1, UCR; 1-A, SDSC
Structure and composition of the earth, the processes that shape its surface. Includes laboratory study of minerals, rocks, and topographic maps. Field trips to local areas of interest. One 3-hour laboratory period weekly.

1-B Introductory Historical Geology Spring 4 units
Prerequisite: Geology 1-A
Parallels: 2, UCR; 1-B, SDSC
Geologic history of the earth and its inhabitants, emphasizing principles and methods of interpretation. Laboratory study of fossils and geologic maps. Field trips to local areas of interest. One 3-hour laboratory weekly.

GERMAN

1 Elementary German Fall, Spring 4 units
Prerequisite: None
Parallels: German 1-3 or equivalent meets twelfth unit level degree requirement for UCR; 101, CSCF
Study of German grammar, including pronunciation, conversation, composition, and reading of simple literary German. An additional one-hour period for laboratory work is required weekly.

2 Elementary German Fall, Spring 4 units
Prerequisite: German 1, or two years of high school German with at least a C average.
Parallel: 102, CSCF
Further study of German grammar, including pronunciation, conversation, composition and reading of more sophisticated literary German.

3 Intermediate German Reading Fall, Spring 4 units
Prerequisite: German 2, or three years of high school German with at least a C average.
Parallel: 203, CSCF; German 1-3, or equivalent, meets twelfth unit level degree requirement for UCR.
Further study of correct grammatical and idiomatic usage of German; reading of fairly difficult German literature. An additional 1-hour period for laboratory work is required.

4 Intermediate German Spring 4 units
Prerequisite: German 3, or four years of high school German with at least a C average.
Parallel: 204, CSCF
Continued reading of fairly difficult German literature, with an emphasis on short works by 19th and 20th century authors. Reports on collateral reading.

51 Conversational German Fall, Spring 2 units
Prerequisite: None
A non-grammatical approach to reading and speaking German, with an emphasis on conversation.

52 Conversational German Fall, Spring 2 units
Prerequisite: German 51
Instruction in the reading and speaking of German, with an emphasis on conversation. The approach is non-grammatical.

GRAPHIC ARTS

1-A, 1-B Basic Graphic Arts Year Course
1-A Fundamentals of Typography Fall 1 unit
Prerequisite: None
Parallel: Elective, Cal Poly K
A study of the history of printing; hand composition, proofing, proofreading marks; care of type; fundamentals of typography including type recognition, and classification;
mechanical features and limitations of type with respect to layout, page make-up and setting of headlines.

51-A, 51-B Vocational Printing Year Course
51-A Fall 6 units
Prerequisite: None
Emphasis is upon developing skills, knowledge and attitudes for a career in graphic arts. Instruction covers the basic printing processes; hand composition, typographic design, printer's math; use of composing room equipment, presses, bindery equipment. Lectures, laboratory experiences and field trips provide an understanding of practices employed in the graphic arts industry. Three hours lecture, nine hours laboratory.

51-B Spring 6 units
Prerequisite: Graphic Arts 51-A
Instruction in the use of automatic presses and composing machines; experience in the design and production of simple printed materials; copy fitting and estimating; trade methods and practices are studied. Three hours lecture, nine hours laboratory.

52-A, 52-B Newspaper Production Year Course
52-A Fall 5 units
Prerequisite: Graphic Arts 51-A, 51-B, or acceptable trade experience.
Students will engage in newspaper make-up and production. Emphasis will be given on the use of Linotype, Ludlow, stripping, remelting and newspaper cylinder press. Lecture, laboratory work and field trips provide an understanding of the practices employed in the newspaper industry. One hour lecture, twelve hours laboratory.

52-B Spring 5 units
Prerequisite: Graphic Arts 52-A
Further study of techniques of publishing, including typography, typesetting, photoengraving, printing methods used by metropolitan newspapers. Students will continue participating in newspaper make-up and production. Provides background for understanding of and entry into the publishing industry. One hour lecture, twelve hours laboratory.

53-A, 53-B Commercial Printing Year Course
53-A Fall 5 units
Prerequisite: Graphic Arts 51-A, 51-B
Parallel: Elective, Cal Poly K
Instruction in the offset press and duplicator, cold type composition, copy preparation and paste-up, camera, darkroom techniques and procedures, stripping, platemaking; course expands student's skill in machine composition and automatic letterpress equipment. Two hours lecture, ten hours laboratory.

53-B Spring 5 units
Prerequisite: Graphic Arts 53-A
Parallel: Elective, Cal Poly K
Advanced instruction in layout, design and production of printed materials by offset lithography and letterpress. Studies of commercial printing plant operations include cost estimating, production control, labor relations, field trip observations and analysis. Two hours lecture, ten hours laboratory.

Note: Opportunities to secure on-the-job trade experience will be available to qualified sophomores.

54-A, 54-B, 54-C, 54-D Printing Work Experience
Fall, Spring 1-2 units
Prerequisite: Employment by a participating printing firm, concurrent enrollment in another graphic arts course, and the consent of the instructor.
Supervised employment in an approved commercial print shop or newspaper from ten to twenty hours per week. Includes job analysis, application and interview, employer-employee relationships, and special problems in printing as they occur. The course provides practical experience in the field for advanced graphic arts majors. Detailed reports on the student's progress are made to the college, and special assignments are given in the on-campus class as the need is indicated.

61 Beginning Printing (Letterpress) Fall, Spring 2 units
Prerequisite: None
A study of the basic skills used in printing. This will include an application of fundamental principles and practices in the field of the letterpress printing process. One hour lecture, three hours laboratory.

63 Introduction to Lithography Fall, Spring 2 units
Prerequisite: A course in letterpress printing, or background in letterpress printing, or employment in lithography.
The basic skills used in photo-offset lithography, including an application of the fundamental principles and practices in the field of the lithographic printing process. One hour lecture and three hours laboratory per week.
64 Advanced Lithography  
Fall, Spring 2 units
Prerequisite: Graphic Arts 63, or background in or employment in photo-offset lithography.
Continued study of the basic skills in photo-offset lithography. Emphasis upon advanced camera techniques, stripping and copy preparation as applied to black and white and multi-color lithographic reproduction. One hour lecture and three hours laboratory per week.

HEALTH SCIENCE
1 Health Science  
Fall, Spring 2 units
(Formerly Health Education)
Prerequisite: None. Not open to students enrolled in PE 44
Parallel: 21, SDSC
An elementary study of the human body, its activity, and its environment in relation to health. Fulfills the requirement in health education and first aid for the degree of Associate in Arts.

HISTORY
3 American History  
Fall, Spring 3 units
Prerequisite: Qualifying test scores. Not open to students enrolled in History 6-A or 6-B.
Parallels: American Civilization 301, Cal Poly K; transferable to UCR. Meets history part of state requirement in American history and political institutions.
A general survey of American economic, social, and cultural history from colonial beginnings to the present.

4 History of European Civilization  
Fall, Spring 3 units
Prerequisite: Qualifying test scores
Parallels: Humanities 1-A, UCR; 110-A, CSCF
The origins of man’s major institutions and the chief areas of human development to 1650.

5 History of European Civilization  
Fall, Spring 3 units
Prerequisite: Qualifying test scores
Parallels: Humanities 1-B, UCR; 110-B, CSCF
Modern society in terms of the principles involved in its patterns of change.

6-A, 6-B Political and Social History of the United States  
Year Course
6-A  
Fall, Spring 3 units
Prerequisite: Qualifying test scores. Not open to students enrolled in History 3.
Parallels: 27-A, UCR; 170-A, CSCF
The period 1300-1840 and a study of the principles of state and local government. A detailed study of the political, social, and economic developments of the United States and their influence on American institutions and thought.

6-B  
Fall, Spring 3 units
Prerequisite: History 6-A
Parallels: 27-B, UCR; 170-B, CSCF
The period 1840 to the present. Together, History 6-A, 6-B meet the state requirement in American history and political institutions.

19 History of Russia and the Far East: Russia and India  
Fall 3 units
Prerequisite: None
Parallel: Elective, Cal Poly K
The major institutions and peculiarities of Russia and India. A review of historical trends and a description of present strengths and weaknesses of each society.

20 History of Russia and the Far East: China and Japan  
Spring 3 units
Prerequisite: None
Parallels: 19, CSCLB; Elective, Cal Poly 3
The course extends the method of 19 to China and Japan.

51 History of American Society, I  
Fall 2 units
Prerequisite: None. Not open to students enrolled in History 3 or 6-A or 6-B.
The various aspects of individual and group action on American social institutions. Examples of topics covered are: culture, social change, freedom, delinquency, prejudice, social class.

52 History of American Society, II  
Spring 2 units
Prerequisite: None. Not open to students enrolled in History 3 or 6-A or 6-B.
The development of American economic and political institutions. Examples of topics covered are: democracy, nationalism, foreign policy, industrialism, technological development.

HOME ECONOMICS
1-A, 1-B Food Study and Preparation  
Year Course
1-A  
Fall 3 units
Prerequisite: None. Open to both men and women.
Parallels: Elective, Cal Poly K; 9, UCSB
Fundamental principles of nutrition and the preparation of basic foods. Two lectures and two 2-hour laboratories weekly.

1-B
Prerequisite: Home Economics I-A. Open to both men and women.
Parallel: Elective, Cal Poly K
Further attention to the planning, purchasing, preparing and serving of meals including various types of entertaining. Includes a brief study of silver, china, crystal, and linens. Two lectures and two 2-hour laboratories weekly.

4 Family Nutrition
Prerequisite: None
Parallels: 10, UCSB; Elective, Cal Poly K
Normal nutrition and its application to people of all ages and conditions, the importance of nutrition and its changing concepts, specific food nutrients and how to make nutrition information function, improvement that can be made in general health and efficiency by use of present-day knowledge. Two lectures weekly.

5 Clothing Construction and Textiles
Prerequisite: None
Parallels: 16, UCLA; Elective, Cal Poly K
The use of commercial patterns and their adaptation to basic art principles and fashion trends in the fitting and construction of garments. Includes the study and selection of textiles. One lecture and two 3-hour laboratory periods weekly.

HUMANITIES
1-A, 1-B Colloquim (Honors)
Parallels: 2-A, UCR; literature or philosophy general education requirement, SDSC
Germinal problems in the history of Western man are approached through five disciplines in seminar discussions held one evening each week for three hours with a team of instructors. Students are expected to do considerable reading in core and background material.

53 Advanced Clothing: Tailoring (Beginning)  Fall, Spring  2 units
Prerequisites: Clothing 5 or 6.
Parallel: Elective, Cal Poly K
Continued application of principles of clothing construction given in first year, with special emphasis placed on pattern alteration, tailoring and renovation of garments. Two 3-hour laboratory periods weekly.

54 Advanced Clothing: Tailoring (Advanced)  Spring  2 units
Prerequisites: Clothing 5 or 6.
Parallel: Elective, Cal Poly K
The use of advanced techniques in the construction of suits and coats. Two 3-hour laboratory periods weekly.

10 World Religions
Prerequisites: Qualification for English 1-A and sophomore standing.
Parallel: Philosophy 238, CSCLA
An objective treatment of the thought and development of the major religious systems, including primitive religions, extinct national religions, Hinduism, Jainism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Judaism, Christianity, Islam and Sikhism. Extensive reading and two papers are required.

Additional Humanities Courses

Courses in other departments are often classified as Humanities by other colleges and universities. Examples are:

- Art 1-A, 1-B, History and Appreciation of Art, see page 72.
- English 6, 7, English Literature, see pages 98-99.
- English 14, 15, American Literature, see page 99.
- English 40, 41, Masterpieces of World Literature, see page 100.
- History 4, 5, History of European Civilization, see page 108.
- Music 20, 21, History and Appreciation of Music, see pages 119-120.
- Philosophy 1, Logic, see page 129.
- Philosophy 6-A, 6-B, Introductory Philosophy, see page 129.
- Philosophy 10, Introduction to Philosophy, see page 129.
- Philosophy 20, History of Greek Philosophy, see page 130.
- Philosophy 21, History of European Philosophy, see page 130.
- Theater Arts 2, Introduction to Drama, see page 147.

ITALIAN

51 Conversational Italian

Prerequisite: None

Fall, Spring 2 units

A non-grammatical approach to reading and speaking Italian, with an emphasis on conversation.

52 Conversational Italian

Prerequisite: Italian 51

Fall, Spring 3 units

Continuation of Italian 51

JOURNALISM

1 Introduction to Journalism

Prerequisite: None

Fall, Spring 3 units

Parallels: Transferable to UCR; 51-A, SDSC

The role of newspapers, with theory and practice in news story structure, responsible news evaluation, news-gathering methods, interviewing, and reporting techniques in general.

2 News Writing

Prerequisite: Journalism 1

Fall, Spring 3 units

Parallel: 51-B, SDSC

Advanced theory and practice in general news writing and reporting, with emphasis on news-features, features, editorial writing, sports, society, columns, and newspaper writing in general. A minimum of lab work as staff members of the Tiger Times.

10 Beginning Photography

Fall, Spring 1 unit

Prerequisite: None

Parallel: 50, SDSC

Basic techniques of photography with emphasis on operation of the camera. Theory and practice in developing, and printing pictures. Previous experience or knowledge of photography not necessary. College cameras and darkroom facilities are available for practice. Students will be expected to supply their own film and photographic paper.

11 Publications Photography

Fall, Spring 2 units

Prerequisite: Journalism 10 or acceptable experience.

Parallel: 131, Cal Poly K

Emphasis on taking pictures acceptable for publication in various media to give a wide variety of photographic experiences. College cameras and darkroom facilities are available.

12 Photojournalism

Spring 2 units

Prerequisite: Journalism 10 or equivalent

Parallel: 131, Cal Poly K

Theory and practice of newspaper and magazine photography. The course is designed to show the student how to make a precise statement by means of a photograph, communicating his views to others. Students will be expected to furnish their own film and paper.

50-A, 50-B, 50-C, 50-D Newspaper Production

Fall, Spring 1 or 2 units

Prerequisite: None

Parallel: 92, SDSC

Courses will be taken in alphabetical sequence, beginning with the A semester, no matter in which semester enrollment begins.

Note: Students may enroll for either one or two units. Three hours of lab are required for each unit of credit.
Emphasis is on both theory and practice in producing the college weekly newspaper, The Tiger Times. Qualified students may serve in various capacities, ranging from editorial work to photography, circulation, and advertising.

51-A, 51-B, 51-C, 51-D Yearbook Production

Fall, Spring 1 or 2 units

Courses will be taken in alphabetical sequence, beginning with the A semester, no matter in which semester enrollment begins.
Prerequisite: None
Parallel: 99, SDSC
Note: Students may enroll for either one or two units. Three hours of lab are required for each unit of credit.

Emphasis is on both theory and practice in producing the college yearbook, The Tequesquite. Staff assignments range from editorial work to photography, layout, advertising, and general production assistance.

54-A, 54-B, 54-C, 54-D Journalism Internship

Fall, Spring 2 units

Courses will be taken in alphabetical sequence, beginning with the A semester, no matter in which semester enrollment begins.
Prerequisite: Employment by a participating newspaper, concurrent enrollment in another journalism course and permission of the instructor.

On-the-job training in either the editorial or advertising departments of local newspaper. Detailed reports on the student's progress are made to the college and special assignments are given in the on-campus class as the need is indicated.

MATHEMATICS

A Elementary Algebra

Fall, Spring 3 units

Prerequisite: None
The equivalent of high school algebra, designed for those students who did not receive credit for algebra in high school.

B Plane Geometry

Fall, Spring 3 units

Prerequisite: None
The high school course in geometry, designed for students who did not receive credit for it in high school, yet who must complete the work for lower division requirements.

C Trigonometry

Fall, Spring 3 units

Prerequisite: Plane geometry; one and one-half years of high school algebra, or Mathematics D.
Parallel: 4, SDSC
Mathematics A, B, C, D, may be repeated to make up a grade deficiency in high school, but no credit will be given toward graduation from college for such courses if a student received credit for them toward his high school graduation.

D Intermediate Algebra

Fall, Spring 3 units

Prerequisite: One year of high school algebra or Mathematics A with a C grade or better.
Parallel: 3, SDSC
Intermediate algebra through simultaneous quadratic equations. Students who need extra drill will be required to attend class five times a week.

1-A, 1-B Analytic Geometry and Calculus

Year Course

1-A

Fall, Spring 4 units

Prerequisites: Mathematics A, B, C, and D, and Mathematics 10. High school grades must be B or better and college grades C or better.
Parallel: 9-A, UCR; 1-A, UCB; 50, SDSC.
Plane analytic geometry and calculus, which includes differentiation and integration, curve plotting, maximum and minimum problems, areas under and between curves and volumes, application of definite integrals involving moment and center of mass, centroids, theorem of Pappus.

1-B

Fall, Spring 4 Units

Prerequisite: Mathematics 1-A
Parallel: 9-B, UCR; 1-B, UCB; 51, SDSC
Transcendental functions, hyperbolic functions, polar coordinates, methods of integration, improper integrals, determinants, and linear equations.

2-A, 2-B Solid Analytical Geometry and Calculus and Ordinary Differential Equations

(Formerly Mathematics 14-A, 14-B)

Year Course

2-A

Fall 4 units

Prerequisite: Mathematics 1-B
Parallel: 2-A, UCB; Transferable to UCR; 52, SDSC
Techniques of integration, limits, infinite series and Taylor's formula, methods of approximation, determinants, and
linear systems, analytic geometry of three dimensions, partial differentiation, multiple integrals. Ordinary differential equations, series, functions of several variables, integration of vector functions.

2-B
Spring 4 units
Prerequisite: Mathematics 2-A
Parallels: 2-B, UCB; Transferable to UCR and SDSC
Continuation of Mathematics 2-A, including Laplace transformations of ordinary differential equations, differentiation and integration of transforms, unit step functions, shifting on the t-axis and periodic functions, Vector analysis.

3-A, 3-B Analytic Geometry and Calculus Year Course
3-A Fall, Spring 3 units
Prerequisites: Mathematics A, B, C, D, and Mathematics 10. High school grades must be B or better and college grades C or better. Mathematics 10 may be substituted for fourth year high school mathematics.
Parallels: Students who complete Mathematics 3-A, 3-B, 4-A, 4-B, and Differential Equations will complete the same parallels covered by Mathematics 1-A, 1-B, 2-A, and 2-B.
Plane analytic geometry and calculus, including conic sections, general equations of the second degree, elements of calculus with applications to geometry and mechanics.

3-B Spring 3 units
Prerequisite: Mathematics 3-A
Application of definite integral to problems involving centroids, center of mass and moments, theorems of Pappus, methods of integration, conic section.

4-A, 4-B Solid Analytic Geometry and Calculus Year Course
4-A Fall 3 units
Prerequisites: Mathematics 1-B or 3-B. Not open to students with credit in Mathematics 2-A, 2-B.
Parallels: See Mathematics 3-A, above.
Hyperbolic functions, polar equations of conic sections, vector and parametric equations, Taylor's formula.

4-B Spring 3 units
Prerequisite: Mathematics 4-A
Solid geometry and vectors, partial differentiation, multiple integrals, infinite series, introduction to differential equations.

7 Slide Rule
Fall, Spring 1 unit
Prerequisite: None
Parallel: Elective, Cal Poly K
Theory of the slide rule, use of slide rule for problems of multiplication, division, square root, cube root, trigonometric functions and proportion. Designed to meet the needs of students in science and mathematics and not recommended for students who are weak in mathematics. Two lectures weekly for nine weeks. Two identical 9-week sessions each semester.

8 Computing Devices
Fall, Spring 3 units
Prerequisite: Mathematics C
Parallel: 7, SDSC
Advanced theory of slide rule, utilizing reciprocal scales, log scales, trig scales and combinations thereof, including the use of desk calculators. An introduction to Fortran programming, specifically as applied to IBM 1620 computer. The course meets needs of science and engineering majors.

10 College Algebra
Fall, Spring 3 units
Prerequisite: Mathematics A, B, C, D, or high school equivalent.
Parallels: 40, SDSC; 1, UCR
An integrated treatment of algebra and trigonometry on the college level, with major emphasis on the analytical aspects of these subjects, designed to lay a suitable foundation for the study of more advanced mathematics.

12 Statistics
Spring 3 units
Prerequisite: Mathematics D or equivalent
Parallels: 6, UCR; 12, SDSC
A comprehensive study of measures of central tendency, variation, the normal curve, significance of differences, and linear correlation.

18 Modern Mathematics
Fall, Spring 3 units
Prerequisites: Algebra and geometry
Parallels: 5, UCB; 18, SDSC
An introductory course to basic modern mathematics: Includes study of number systems, laws of algebra, mathematical systems, symbols and set theory, logic and proof as well as functions and relations. This course is open to all students, but is especially designed for the prospective elementary teacher.
90 Elementary Arithmetic  Fall, Spring  2 units

Prerequisite: None
A review course covering fundamental arithmetic, with special emphasis on its practical application to everyday problems.

MICROBIOLOGY (BACTERIOLOGY)

1 Microbiology  Fall, Spring  4 units
(Formerly Bacteriology 1)

Prerequisite: None. Recommended, high school chemistry or Chemistry 2, or a course in biological science.
Parallels: Meets one semester laboratory science at UCR; Microbiology 1, SDSC.
The general characteristics of micro-organisms are studied, with emphasis on morphology, growth, reproduction and chemical activities; their control; role in disease; and application of their role to mankind. Three lectures and one 8-hour laboratory weekly.

MUSIC

Structure of Music

1 Music for Elementary Teachers  Fall, Spring  3 units

Prerequisite: None
Parallel: 7-A, SDSC
For elementary-teacher candidates and beginners in music. Provides basic skills necessary for work in elementary school music: notation, terminology, keys, simple chords, and other rudiments. Emphasis is given to the reading of music used in elementary school, including singing, simple piano playing, basic conducting patterns and instruments (tone-bells, song-flute, auto-harp, etc.)

2-A, 2-B Music Reading and Dictation  Year Course

2-A (Formerly Musicianship)  Fall  3 units

Prerequisite: Music 2-A, or concurrent enrollment, or permission of counselor. Enrollment subject to review by instructor.

2-B  Spring  3 units

Prerequisite: Music 2-A, 3, and concurrent enrollment in 4-A.

3 Fundamentals of Music  Fall  3 units

Prerequisite: None; recommend be taken concurrently with 2-A.
Parallel: 5-A, UCR.

4-A, 4-B Elementary Harmony  Year Course

4-A  Spring  3 units

Prerequisites: Music 2-A; Music 3, and concurrent enrollment in Music 2-B.
Parallel: 3-A, UCLA; 9-A, SDSC
Intervals, tonality, chords, inversion, progression, cadence, modulation, non-harmonic tones, analysis. Harmonization of melodies and basses in four voices and for keyboard.

4-B  Fall  3 units

Prerequisite: Music 4-A.
Parallel: 3-B and 3-C, UCLA; 9-B, SDSC
Further application of the principles learned in Music 4-A with emphasis upon individual problems. Concentration upon keyboard harmony.

7 Species Counterpoint  Spring  3 units

Prerequisites: Music 3 and 2-A.
Parallel: Elective, Cal Poly K
Two-voice counterpoint in the five species. Strict and linear styles. Tonal, modal, and atonal cantus firmi. Writing and analysis.

Musical Culture

20 History and Appreciation of Music  Fall  3 units

Prerequisite: None
Parallel: 30-A, UCLA if two semester sequence (20, 21) taken, otherwise by title: 51, SDSC
Designed primarily for the general college student. Music in the general culture, appreciation and enjoyment of musical masterworks. Includes a study of simple musical forms such as folk song, art songs, and music for the dance,
also such complex forms as the opera, oratorios, and symphonic poems.

21 History and Appreciation of Music  Spring  3 units
Prerequisite: None
Parallels: 52, SDSC; 30-B, UCLA if two semester sequence (20, 21) taken, otherwise by title
A study of music in national cultures, chamber music, the music of the baroque, classical and romantic periods, modern composers, and such forms as the sonata, overture, and concerto.

Musical Performance
Music majors are required to participate in a performance organization each semester (choir, concert band, band, vocal or instrumental ensemble). Because of lack of uniformity in amounts of credit granted in colleges for performance courses, the student is advised to investigate accreditation in the college to which he or she may wish to transfer.

30-A, 30-B  Elementary Class Voice  Year Course
30-A Fall, Spring  2 units
Prerequisite: None
Parallels: 41-A, UCLA; 23-A, CSCLB
Group work in voice production, diction, and interpretation. Opportunity provided for individual attention and performance.

30-B Fall, Spring  2 units
Prerequisite: Music 30-A
Parallel: 23, CSCLB
Group work in voice production, diction, and interpretation. Opportunity provided for individual attention and performance. Use of more advanced solo repertoire expected.

31-A, 31-B  Advanced Class Voice  Year Course
31-A Fall, Spring  2 units
Prerequisite: Music 30-B, or equivalent.
Parallel: 23-C, CSCLB
Greater emphasis on solo performances and the building of repertoire. Recital performance required.

31-B Fall, Spring  2 units
Prerequisite: Music 31-A
Parallel: 23-D, CSCLB

Additional emphasis on solo performances and the building of repertoire. Recital performance required.

Students may earn a maximum of four units in Class Voice, including transferred units.

32-A, 32-B  Elementary Class Piano  Year Course
32-A Fall, Spring  1 unit
Prerequisite: None.
Parallels: 21-A, CSCLB; 41-E, UCLA
Development of keyboard facility and reading of music notation. Group learning and individual attention. Repertory of simple piano material.

32-B Fall, Spring  1 unit
Prerequisite: Music 32-A or consent of counselor. Enrollment subject to review by instructor.
Parallel: 21-B, CSCLB
Development of keyboard facility and reading of music notation. Group learning and individual attention. Repertory of more advanced piano material.

33-A, 33-B  Secondary Class Piano  Year Course
33-A Fall  1 unit
Prerequisite: Music 32-B or consent of counselor. Enrollment subject to review by instructor.
Parallel: 21-C, CSCLB

33-B Spring  1 unit
Prerequisite: Music 33-A or consent of counselor. Enrollment subject to review by instructor.
Parallel: 21-D, CSCLB
More advanced piano material and emphasis on solo performance.

Students may earn a maximum of four units in Class Piano, including transferred units.

35-A, 35-B  Elementary Class Organ  Year Course
35-A Fall, Spring  1 unit
Prerequisites: Ability in piano, consent of counselor. Enrollment subject to review by instructor.
Parallel: Elective, Cal Poly K
Fundamentals of pipe organ technique, pedalling, registration, hymn-playing, performance.
35-B Fall, Spring 1 unit
Prerequisite: Music 35-A or consent of counselor. Enrollment subject to review by instructor.
Parallels: 41-J, UCLA; elective, Cal Poly K
More advanced pipe-organ technique, pedalling, registration, hymn playing, performance.

36-A, 36-B Secondary Class Organ Year Course

36-A Fall, Spring 1 unit
Prerequisite: Consent of counselor. Enrollment subject to review by instructor.
Includes repertoire of simple compositions of Bach and others, church organ-playing, performance.

36-B Fall, Spring 1 unit
Prerequisite: Music 36-A or consent of counselor. Enrollment subject to review by instructor. More advanced repertoire, church organ-playing, performance.
Students may earn a maximum of four units in Class Organ, including transferred units.

40-A, 40-B, 40-C, 40-D Choir Fall, Spring 1 unit
Courses will be taken in alphabetical sequence, beginning with A semester, no matter in which semester enrollment begins.
Prerequisite: None.
Parallels: 40-G, UCLA; 161-B, CSCF
Study and performance of secular and sacred accompanied and unaccompanied choral music.

41-A, 41-B, 41-C, 41-D Vocal Ensemble Fall, Spring 1 unit
Courses will be taken in alphabetical sequence, beginning with A semester, no matter in which semester enrollment begins.
Prerequisite: Consent of counselor. Enrollment subject to review by instructor.
Parallel: Elective, Cal Poly K
Performance of music particularly adapted to small vocal ensembles.

42-A, 42-B, 42-C, 42-D Band Fall, Spring 2 units
Courses will be taken in alphabetical sequence, beginning with A semester, no matter in which semester enrollment begins.
Prerequisite: Consent of counselor. Enrollment subject to review by instructor.
Parallels: 40-B, UCLA; 76, SDSC
Study and performance of standard band literature. Appearances at college functions are made throughout the year.

43-A, 43-B, 43-C, 43-D Stage Band Fall, Spring 1 unit
Courses will be taken in alphabetical sequence, beginning with A semester, no matter in which semester enrollment begins.
Prerequisite: Consent of counselor. Enrollment subject to review by instructor.
Parallel: 141-142-143, Cal Poly K
Practical band experience. Two rehearsals weekly.

44-A, 44-B, 44-C, 44-D Chamber Orchestra Fall, Spring 1 unit
Courses will be taken in alphabetical sequence, beginning with A semester, no matter in which semester enrollment begins.
Prerequisite: Consent of counselor. Enrollment subject to review by instructor.
Parallels: 61, UCR; 70, SDSC
Study and performance of music for chamber orchestra and instrumental ensembles. Appearances at College functions are made throughout the year.

NURSING
Two complete curricula are offered in nursing: the two year Associate in Arts degree program and the one year vocational nursing program.

New classes are admitted once a year in September. Applications for admission to the college are accepted beginning April 1.

Former students wishing to re-enter or graduate nurses wishing to enroll in a clinical laboratory course should confer with the Division of Nursing by the middle of the preceding semester. Placement of students in the associate degree nursing program will have to be evaluated individually, since all courses offered prior to September, 1964, have been eliminated.
Associate in Arts Degree Program

The two year program fulfills all the requirements for the Associate in Arts degree at Riverside City College and makes the graduate eligible to become licensed as a registered nurse by the State of California. Its primary purpose is to produce graduate nurses well qualified to render direct care to patients. The curriculum combines general education and nursing courses in a complete program enabling the student to obtain employment as a registered nurse without further preparation.

The college has affiliations with Riverside Community Hospital, the General Hospital of Riverside County, Patton State Hospital, clinics, doctors' offices, and other community health agencies.

Requirements:

1. Applicants must be between 17 and 45 years of age. Those over this age limit are considered on an individual basis.
2. Applicants must be a graduate of an accredited high school.
3. Applicants must have completed one year of chemistry in high school or a college chemistry course including laboratory.
4. Applicants must have qualifying scores on college test battery.
5. A medical examination is required.

Expenses:

1. The student furnishes her own uniforms, and the cost is about seventy dollars.
2. The cost of books and supplies approximates $200 for two years.
3. Students are urged to carry some form of health and accident insurance, including hospitalization and liability insurance. Policies are available to college students at reasonable rates.

1 Introduction to Nursing Fall 5 units
Prerequisite: Admission to the program
The role of the nurse in the maintenance and restoration of health. The meaning of the sick role to the individual and to the family. The emphasis is on basic human needs in health and stress, fundamental nursing skills in giving supportive care to individual patients in a variety of settings. Two hours lecture, nine hours laboratory weekly.

2 Nursing in Health and Stress Spring 6 units
Prerequisites: Nursing 1, 10A. Physiology 2A, English 1A, Anthropology 2
Meeting nursing needs of the individual and family during normal stress of the life cycle, including pregnancy. Focuses on the family and the stress inherent in growth and development, including the psycho-social, as well as the physical, needs of each age group. Considers the patient as a member of the family and community. Three hours lecture, nine hours laboratory weekly.

3 Nursing in Severe Stress Fall 8 units
Prerequisites: Physiology 2-B, Psychology 3; Nursing 2, and 10-B; Speech 1-A.
Opportunity to provide supportive care to persons in times of severe and unusual stress. The nurse's role and that of community agencies in promoting independence. Three hours lecture, fifteen hours laboratory weekly.

4 Patterns of Nursing Care Spring 8 units
Prerequisites: Nursing 3 and 12A, Speech 1A.
Consideration of the total principles and skills involved in providing nursing services in organized nursing units, opportunity to plan, render, and direct nursing care of groups of patients. Three hours lecture, fifteen hours laboratory weekly.

10-A, 10-B The Person as a Nurse; Nurse as a Person Year Course

10-A The Person as a Nurse Fall 1 unit
Prerequisite: To be taken concurrently with Nursing 1.
Focuses on the student, her motivation and acceptance of the nursing role. The processes of problem-solving and group interaction are introduced. Two hours class.

10-B The Nurse as a Person Spring 2 units
Prerequisites: Nursing 10-A. To be taken concurrently with Nursing 2.
Continued use of the problem-solving techniques in relation to the human interactions experiences of the students. Three hours class.

12-A, 12-B Values and Problems in Nursing Year Course

12-A Personal and Social Values in Nursing Fall 2 units
Prerequisite: To be taken concurrently with Nursing 3.
Consideration of evolving personal beliefs and values and their relationship to the individual's effectiveness as a nurse and as a member of society. Three hours class.

12-B Nursing Problems Seminar Spring 2 units
Prerequisites: Nursing 12-A. To be taken concurrently with Nursing 4.
Anticipates the problems of the graduate nurse in seeking employment, planning for continued personal growth
and meeting the responsibilities of the nursing practitioner. Three hours class.

20 Special Nursing Techniques Summer 3 units
Prerequisite: Nursing 2 or consent of counselor.
A course designed to prepare nurses to function in such areas as operating, delivery and emergency rooms. Includes principles of aseptic technique, knowledge of operation procedures and supervised experience in the areas of student's special interest. Six weeks summer session. Three hours lecture, eighteen hours laboratory weekly.

21 Team Nursing Summer 3 units
Prerequisite: Nursing 2 or consent of counselor.
Utilizes student's theoretical and clinical background in solving specific nursing care problems in a team relationship. Supervised team nursing experience, in area of student's choice. Three hours lecture, eighteen hours laboratory weekly.

22 Nursing Team Leadership Summer 3 units
Prerequisite: Nursing 4
Utilizes the student's cumulative theoretical and clinical background in transition from student to graduate role. Course built upon content developed in Nursing 4 but with emphasis on leadership role to help students further develop ability to assume responsibilities of team nursing. Six weeks summer session. Three hours lecture, eighteen hours laboratory weekly.

Vocational Nursing

The vocational nursing program is a 12-month course designed to prepare qualified women to become licensed vocational nurses. The curriculum, adopted in September, 1961, provides for patient-centered teaching and conforms to regulations of the California State Board of Vocational Nurse Examiners. Classroom instruction is offered concurrently with clinical practice in order to assist the student in the application of nursing theory to actual nursing situations. Graduates of this program are eligible to write the State Board examination, successful completion of which leads to licensure as a vocational nurse. In order to receive a certificate, a minimum grade average of C in the certificate courses is required.

New classes are admitted once a year in September. Applications for admission begin April 1.

A Requirements:
1. Applicants must be between 17 and 45 years of age. Those over this age limit are considered on an individual basis.
2. Applicants must have tenth grade equivalent or higher. Those under 25 must be high school graduates.
3. Applicants must take college aptitude and vocational tests.
4. A medical examination is required.

B Expenses:
1. The student furnishes her own uniform, costing about $35.
2. The cost of books and supplies approximates $100 for one year.
3. Students are urged to carry some form of health and accident insurance including hospitalization and liability insurance. Policies are available to college students at reasonable rates.

51 Physical Foundations Fall 2 units
Prerequisite: Admission to the program
A study of body functions essential for life, major requirements for personal health and scientific principles from bacteriology and nutrition as a foundation for practice of vocational nursing.

52 Psychological-Social Foundations Fall 2 units
Prerequisite: Admission to the program
A survey of the physical, mental and emotional development of individuals from infancy through old age, the family as a unit and the relationship between health of the individual and the family to community health.

53 Vocational Foundations Fall 2 units
Prerequisite: Admission to the program
The definition, functions, responsibilities and roles of the vocational nurse within the occupation of nursing.

54 Health Deviations Fall 2 units
Prerequisite: Admission to the program
Physical and mental deviations from health as a foundation for the practice of vocational nursing.

56 Fundamentals of Vocational Nursing Fall 3 units
Prerequisites: Nursing 51, 52, 53, 54, or may be taken concurrently.
The art of assisting persons when unable to provide self-care essential for daily living.
57 Fundamentals of Nursing Laboratory  
Fall 6 units  
Prerequisite: Nursing 56, or may be taken concurrently. 
Selected experience in the observation and care of people of all ages in a variety of settings for the concurrent application and practice of learnings from all foundation courses.

60 Vocational Problem Solving  
Spring 2 units  
Prerequisites: Nursing 53, 56, and 57  
Guidance on vocational opportunities and responsibilities of the vocational nurse. Emphasis on actual problems arising as the student learns the practice of nursing.

61 Nursing Care of Families (Six Weeks)  
Spring 5 units  
Prerequisites: Nursing 51, 52, 54, 56, 57  
A study of the family as it experiences special health situations normal to the family but requiring special assistance and medical care. Includes care of mothers and infants, the well children, adolescents, adults, and senior citizens with health problems associated with their age groups. Emphasis on the role of the family in meeting these situations. Eight hours lecture, twenty-one hours laboratory weekly.

62 Nursing Care of Ill Persons (Six Weeks)  
Spring 5 units  
Prerequisites: Nursing 51, 52, 56, 57  
Care of patients with common nursing problems which will help the student to understand and apply principles of nursing care. Opportunity provided for care of patients in all age groups, from various ethnic and social backgrounds, and with the common medical and surgical diagnosis. Eight hours lecture, twenty-one hours laboratory weekly.

63 Care of Patients with Impairment of Vital Functions (Six Weeks)  
Spring 5 units  
Prerequisite: Nursing 62  
Care of patients with impairment of functions vital to maintenance of life. The assisting role of the vocational nurse in complex nursing situations is emphasized. Includes responsibilities and life-saving measures in emergency situations. Eight hours lecture, twenty-one hours laboratory weekly.

64 Care of Patients in States of Helplessness  
Summer 6 units  
(Six weeks Summer Session)  
Prerequisite: Nursing 63  
Focus on the care of patients in health situations charac-

terized by helplessness, as paralysis and unconsciousness. Emphasizes the role of the vocational nurse as the one frequently responsible for personal care, as member of the health team, and as assistant to the professional nurse in acute stages of illness. Six hours lecture, thirty-two hours laboratory weekly.

65 Care of Patients in States of Mental Incompetency  
Summer 6 units  
(Six weeks Summer Session)  
Prerequisite: Nursing 64  
Care of patients with personality, functional, and organic disorders which interfere with normal life activities. Includes study of patients with behavioral disorders, delirium, degenerative changes, alcoholism, and drug addiction. Six hours lecture, thirty-four hours laboratory weekly.

PHILOSOPHY

1 Logic  
Fall, Spring 3 units  
Prerequisite: None  
Parallels: Transferable to UCLA by title; 210, CSCF  
An introduction to the theory and principles of logical method. Topics covered include linguistic analysis, immediate and mediate inference, symbolic notation, and fallacies. Attention is given to both traditional and modern symbolic systems. Lecture, recitations and reports.

6-A, 6-B Introductory Philosophy  
Year Course  
6-A Critical and Speculative  
Fall 3 units  
Prerequisite: None  
Parallels: 17-A, UCR; 211, CSCF  
A presentation of philosophy as the attempt to think reflectively and critically upon everyday problems. Questions are emphasized which arise in discussions concerning education, the arts, religion, and social and natural science. Emphasis is placed on perennial problems and their attempted solution.

6-B Value Disciplines  
Spring 3 units  
Prerequisite: Philosophy 6-A  
Parallels: 17-B, UCR; 212, CSCF  
Continuation of 6-A with emphasis on value disciplines.

10 Introduction to Philosophy  
Spring 3 units  
Prerequisite: None  
Parallels: 201, Cal Poly K; transferable to UCR
An introduction to reflective thought in relation to major issues of our times. Topics covered include meaning, method, the nature of reality and man, religion, ethics, politics and the arts.

20 History of Greek Philosophy Fall 3 units
Prerequisite: Qualifying test scores or successful completion of Philosophy 6-B.
Parallels: 211, CSCF, also meets humanities requirements, CSCF, and for some majors at UCR; elective for other majors at UCR.
History of Greek Philosophy: A survey of the beginning and rise of Western science and philosophy; pre-Socratic era, Socrates, Plato, Aristotle; Greek philosophical influence upon the Roman Empire and Medieval Europe.

21 History of European Philosophy Spring 3 units
Prerequisite: Qualifying test scores or successful completion of Philosophy 6-B.
Parallels: 212, CSCF, also meets humanities requirements, CSCF, and for some majors at UCR; elective for other majors at UCR.
History of Modern European Philosophy (Continuation of Philosophy 20 and may be taken independently): A survey of the Renaissance and the rise of Humanism and of Modern Science; Rationalism, Empiricism, and the rise of the Modern Mind.

PHYSICAL EDUCATION
Four semesters of physical education are required of all men and women under twenty-five years of age except those in “Completed” (four semesters), “Special” (students registered for less than 9 units), and “medical” categories. Students who have physical disabilities or health problems which prevent them from participating in physical education activities must have a physical education exemption card signed by a physician on file in the College office by the end of the first week of the semester.

Sophomore men and freshman and sophomore women have choice of activities. Freshman men are enrolled in a core program designed to introduce skills needed for all-around body development. Included are skills that have carry-over value.

Students receive instruction in the rules and techniques in the various activities. Opportunity is provided for participation in order that students may improve their skills and receive an added degree of enjoyment and pleasure.

Students twenty-one or over may elect their physical education activity.

Uniforms
A regular uniform has been adopted to be worn by participants in physical education classes. Students are requested to supply themselves with the equipment described below before the opening of college.

Uniforms for men: Orange shorts, supporter, reversible orange-black T-shirt, rubber soled athletic shoes, and white athletic socks. Uniforms are available in bookstore. Swim trunks are required for swimming classes.

Uniforms for women: White cotton shorts, blouse, anklets, and white tennis shoes. Black leotards are required for Modern Dance. Swim suits are required for swimming classes. Uniforms and swim suits may be purchased from local sources. Leotards are available in the bookstore.

Lockers
A lock, locker and towels for which student is responsible, will be issued to each student. A $2.00 charge will be assessed for a lost lock.

Intramural Sports
The Intramural Program for men at Riverside City College is sponsored by the Department of Physical Education. The program tries to give every student and faculty member an opportunity to participate in some sport or recreative activity as regularly as his time and interest permit.

Competition is offered in individual and dual activities as well as team sports. The activities in which one may engage are: Badminton, Touch Football, Basketball, Bowling, Handball, Table Tennis, Softball, Tennis, and Volleyball. If student interest warrants, additional activities will be provided.

The Department of Physical Education furnishes the staff, facilities, and equipment.

New students, as yet unaffiliated with any group, are cordially invited to participate in all of the activities by registering in the Intramural office.

Academic Courses
27 Games for the Elementary School (Coeducational) Fall 1 unit
Prerequisite: None
Parallel: 25-A, CSCLB
Participation in physical education activities which are designed for the elementary school child. Three meetings weekly. This course meets the general physical education requirement.
28 Rhythmic Activities for the Elementary School (Coeducational) Spring 1 unit
Prerequisite: None
Parallel: 25-B, CSCLB
Offers participation in creative and free rhythms, fundamentals of rhythmic activities designed for the elementary school child. Three meetings weekly. This course meets the general physical education requirement.

30 First Aid (Coeducational) Fall, Spring 2 units
Prerequisite: None
Parallel: 13, CSCLB
The standard Red Cross course. Designed to teach the individual how to administer first aid. Students completing the course will have an opportunity to pass the tests for the Red Cross First Aid certificate.

31 Theory of Swimming, Diving, Life Saving and Water Safety (Coeducational) Fall, Spring 1 unit
Prerequisite: Senior Life Saving Certificate.
Parallel: Physical Education 24, UCR
This course is designed to drill the competent swimmer in the theory and fundamentals of swimming, diving, life saving and water safety. Upon successful completion of the course, a Water Safety Instructor’s Certificate is awarded. This course meets the general physical education requirement.

32 Introduction to Physical Education (Coeducational) Fall 2 units
Prerequisite: None
Parallel 30, CSCLB
An orientation course on the nature of physical education and the qualifications demanded of successful workers in this field.

44 Principles of Healthful Living (Coeducational) Fall, Spring 3 units
Prerequisite: None
Parallel: 44, UCR
Provides the prospective elementary teacher and physical education major with the fundamentals of healthful living by presenting scientific health information, promoting desirable attitudes and practices.

51 Recreational Leadership (Coeducational) Spring 2 units
Prerequisite: None
Parallel: 126, Cal Poly
An orientation course designed to introduce the principles of leadership and organization in recreation; to provide knowledge in the general field of recreation; and to provide practical experience in supervision and leadership.

52 Sports Officiating (Fall Sports—Men) Fall 2 units
Prerequisite: None
A course designed to introduce the mechanics, techniques, and rules of officiating football, basketball, and water polo.

53 Sports Officiating (Spring Sports—Men) Spring 2 units
Prerequisite: None
A course designed to introduce the mechanics, techniques, and rules of officiating wrestling, baseball, track, tennis, and swimming.

Activities Courses
Physical education classes meet three times a week for one hour or twice a week for one and one-half hours. One unit of credit in Physical Education is given for the three-hour program.

Activities are offered freshman men in core sections, M-1 and M-2.
In general, the M-1 semester will offer volleyball, handball, and gymnastics. In the M-2 semester, students will repeat handball and also receive instruction in tennis and badminton. Students who are beginning swimmers should enroll in swimming instead of a core section first semester. Freshman men who are advanced swimmers can enroll in advanced swimming instead of core.

The activities offered sophomore men include:
M-3—Badminton
M-6—Handball
M-7—Tennis
M-9—Weight Training
M-10—Team Sports
M-11—Tumbling
M-26—Combative Fitness
MW-1—Beginning swimming (coed)
MW-2—Intermediate swimming (coed)
MW-3—Advanced swimming and life saving (coed)
MW-4—Bowling (coed)
MW-5—Golf (coed)
The activities offered freshman and sophomore women include:

W-1—Archery
W-2—Badminton
W-3—Body Mechanics
W-6—Beginning Modern Dance
W-7—Tennis
W-8—W.A.A. (team sports)
W-9—Advanced Modern Dance
MW-1—Beginning swimming (coed)
MW-2—Intermediate swimming (coed)
MW-3—Advanced swimming (coed)
MW-4—Bowling (coed)
MW-5—Golf (coed)
MW-6—Badminton (coed)
MW-8—Fencing (coed)

Varsity sports include:
V-1—Cross country—Mr. Johnson
V-2—Football—Mr. Dohr
V-3—Water polo—Mr. Turner
V-4—Basketball—Mr. Tarkanian
V-5—Baseball—Mr. Fages
V-6—Track—Mr. Johnson
V-7—Golf—Mr. Matulich
V-8—Tennis—Mr. Steponovich
V-9—Swimming—Mr. Turner
V-10—Wrestling—Mr. Birren
V-11—Special Dance—Mrs. Howell

A student who participates in an intercollegiate sport may use that as a substitute for the regular physical education course during the time he participates.

PHYSICAL SCIENCE

1 Introduction to Physical Science

Prerequisite: None. Recommended: Math A
Parallel: 1, SDSC

Fundamental concepts of physics, chemistry, geology and astronomy, and the historical record of scientific discovery.

PHYSICS

2-A, 2-B General Year Course

2-A

Prerequisites: Mathematics A, B, C, D, or high school equivalent.
Parallels: 2-A, UCR; 2-A, SDSC
Meets the requirements for pre-medical, or pre-dental students. Properties of matter, mechanics, heat, wave motion, and sound are covered the first semester. One 3-hour laboratory weekly.

2-B

Prerequisite: Physics 2-A
Parallels: 2-B, UCR; 2-B, SDSC
Light, electricity and magnetism, introductory and atomic and nuclear physics are covered the second semester. One 3-hour laboratory weekly.

4-A, 4-B, 4-C Engineering Physics Three-semester Course

Note: This sequence of courses is designed primarily for students who expect to major in physics, and for students in engineering, chemistry, and architecture. Three lectures and one laboratory period weekly.

4-A Mechanics and Sound

Prerequisites: Mathematics 1-A, or 3-A, and high school physics or Physics 2-A.
Parallels: 4-A, UCB; 4-A, SDSC
One 3-hour laboratory weekly.

4-B Electricity and Magnetism

Prerequisite: Physics 4-A.
Parallels: 4-B, UCB; 4-B, SDSC
One 3-hour laboratory weekly.

4-C Light and Modern Physics

Prerequisite: Physics 4-B
Parallels: 4-C, UCB; 4-C, SDSC
One 3-hour laboratory weekly.
PHYSIOLOGY AND ANATOMY

2-A, 2-B Physiology and Anatomy

Year Course

**2-A**

**Fall 4 units**

Prerequisite: High school Chemistry or Chemistry 2 concurrently. Recommended: a high school biological science course.

Parallels: Meets 4 unit laboratory science requirement at UCR; transferable to SDSC.

A study of the physiological processes in man. The relating of such functions to the muscular, circulatory, respiratory, digestive, nervous, excretory, reproductive and endocrine systems of the body. Two lectures and two 3-hour laboratory periods weekly. One laboratory is devoted to anatomy dissection. Designed for pre-nursing, pre-medical, physical education, and dietetic majors.

**2-B**

**Spring 4 units**

Prerequisite: Physiology and Anatomy 2-A.

Parallels: Meets 4 unit laboratory science requirement at UCR; transferable to SDSC.

Continuation of Physiology and Anatomy 2-A. Two lectures and two 3-hour laboratories weekly.

POLICE SCIENCE

First Aid (Physical Education 30) is required for all Police Science majors.

1 **Introduction to Law Enforcement**

**Fall, Spring 3 units**

Prerequisite: None

Parallels: 101, CSCLA; 11, CSCLB

The philosophy and history of law enforcement; overview of crime and police problems; organization and jurisdiction of local, state, and federal law enforcement agencies; survey of professional career opportunities and qualifications required.

2 **Criminal Law**

**Spring 3 units**

Prerequisite: None

Parallels: 126, CSCLA; 51, CSCLB

The structure, definitions and the most frequently used sections of the Penal Code and other criminal statutes.

3 **Criminal Evidence**

**Fall 3 units**

Prerequisite: None

Parallels: 221, CSCLA; 50, CSCLB

The kinds and degrees of evidence and the rules governing the admissibility of evidence in court.

4 **Administration of Justice**

**Spring 3 units**

Prerequisite: None

Parallels: 222, CSCLA; 61, CSCLB

Review of court systems; procedures from incident to final disposition; principles of constitutional, federal, state and civil laws as they apply to and affect law enforcement.

5 **Criminal Investigation**

**Spring 3 units**

Prerequisite: None

Parallels: 235, CSCLA; 66, CSCLB

Fundamentals of investigation: crime scene search and recording; collection and preservation of physical evidence; scientific aids, modus operandi; sources of information; interviews and interrogation; follow-up and case preparation.

6 **Patrol Procedures**

**Fall 3 units**

Prerequisite: None

Parallels: 238, CSCLA; 71, CSCLB

Responsibilities, techniques and methods of police patrol.

7 **Traffic Control**

**Fall 3 units**

Prerequisite: None

Parallels: 124, CSCLA; 76, CSCLB

Traffic law enforcement, regulation and control; fundamentals of traffic accident investigation; California Vehicle Code.

8 **Juvenile Procedures**

**Spring 3 units**

Prerequisite: None

Parallel: 81, CSCLB

The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures.

9 **Defensive Tactics and Firearms**

**Fall 2 units**

Prerequisite: Open only to students who have completed 12 units of Police Science.

Parallel: 83, CSCLB

Protection against persons armed with dangerous weapons, restraint of prisoners and the mentally ill; moral aspects of firearms; legal provisions, safety precautions, and restrictions in the use of firearms.
11 Police Administration Fall 3 units

Prerequisite: Second year Police Science students or Law Enforcement Personnel.

Principles of law enforcement agency administration. Organization, planning and management, personnel management, training, and public relations. Administrative functions in vice, crime delinquency prevention and control, patrol, crime investigation, traffic, communications, statistics, and records.

12 Corrections and Custody Spring 2 units

Prerequisite: Second year Police Science students or Law Enforcement personnel.

Purpose and procedures of custodial care on local and state levels; methods of handling and caring for prisoners, including rehabilitation techniques.

26 Combative Fitness Fall, Spring 1 unit

Prerequisite: Concurrent enrollment in Occupational Law Enforcement Program.

A discussion on the importance of physical fitness to the individual and the organization to which he belongs. How fitness can improve a sense of well-being, personal appearance, emotions, and the ability to better accomplish his job. Discussion and application of a functional program that will develop the four areas of fitness necessary to reduce the possibility of stress fractures, joint injuries, and muscle separation while engaged in baton techniques. This course meets the general physical education requirement.

51 Occupational Law Enforcement Fall 8 units

Prerequisite: Satisfactory completion of the freshman year and selection for the occupational law enforcement program.

Intensive vocational class for students who wish to prepare for immediate employment as law enforcement officers. The course includes theory and practice in criminal investigation, traffic investigation, delinquency control and crime prevention, problems of physical evidence, police tactics and use of weapons, patrol procedures and criminal evidence.

52 Occupational Law Enforcement Spring 8 units

Prerequisite: None

This course includes criminal investigation, vehicle laws and traffic control, special patrol procedure, narcotics and vice enforcement, and juvenile procedures. 5 hours lecture and 10 hours laboratory weekly.

56-A, 56-B Civil Procedures Year Course

56-A Fall 3 units

Prerequisite: Enrollment is limited to full-time peace officers and other persons required by law to engage in the services of civil process.

Duties of civil officers in the execution of civil process directed to them by the courts of the federal and state governments.

56-B Spring 3 units

Prerequisite: Police Science 56-A

Continuation of Police Science 56-A.

Peace Officers' Basic Training School

This school was established in Riverside under the administration of Riverside City College in the spring of 1953. It is a cooperative venture with the following three agencies participating: (1) Riverside City College, (2) California State Department of Education, (3) Riverside County Sheriff's Department.

The Sheriff's Department furnishes facilities which include a barracks, dining hall, classrooms, rifle and pistol range. The State Department of Education serves as consultant.

College credit is granted for the course (Police Science 60, Peace Officers' Basic Training). A certificate of completion is awarded when a student finishes the course. Transcripts of record are issued under the same conditions as described elsewhere in the catalog.

The course is offered three times each year, 40 hours a week for six-week periods. This school serves eleven counties in Southern California.

The following individuals may enroll:

1. Officers of less than three years' experience;
2. Officers of more than three years' experience who have not completed training at a basic school;
3. Eligibles who have a letter of recommendation from their prospective chief or sheriff;
4. Experienced officers who are to conduct training programs in their own department.

For full information regarding the Riverside City College Southern California Peace Officers' program, address communications to the Police Science Coordinator.

60 Peace Officers' Basic Training Fall, Spring 8 units

Prerequisite: Regular, full-time employment in law enforcement.
Intensive basic instruction designed for peace officers in the initial stage of their law enforcement career.

61 Police Supervision  
**Fall, Spring 3 units**
Prerequisite: First line supervisor (sergeant) currently employed full time.
A basic course covering in general terms the total responsibilities of a police supervisor such as organization, duties and responsibilities, human relations, grievances, training, rating, promotion, making duty assignments, and the supervisor's relationship to police management.

POLITICAL SCIENCE

1 American Government  
**Fall 3 units**
Prerequisite: Qualifying test scores
Parallels: 1, UCB; 50, CSCLB. Meets political institution part of state requirement in American history and political institutions.
The principals and problems of government, with emphasis on national government in the United States. In considering state and local governments, attention is given to organization and practice in California.

2 Comparative Government  
**Spring 3 units**
Prerequisite: Qualifying test scores.
Parallels: 2, UCB; 60, CSCLB
A comparative study of the governments of Great Britain, France, Germany, Russia, and Japan.

3 American Political Institutions  
**Fall, Spring 2 units**
Prerequisite: Qualifying test scores. Not open to students enrolled in Political Science 1.
Parallels: Transferable to UCR and meets political institutions part of state requirement in American history and political institutions; Amer. Civ. 302, Cal Poly K
A general survey of the principles and practices of American government, with emphasis on the federal Constitution and the government of California and its principle subdivisions.

PRINTING  
See Graphic Arts, pages 105-108

PSYCHOLOGY

1 General Psychology  
**Fall, Spring 3 units**
Prerequisite: Qualifying test scores.

Parallels: 1-A, UCB; 101, CSCF; 1, CSCSD
Historical and philosophical antecedents of contemporary psychology; the scientific study of behavior as systemized in learning, motivation, emotion, personality, intelligence, and thought.

2 Elementary Physiological Psychology  
**Fall, Spring 3 units**
Prerequisite: Qualifying test scores.
Parallels: 1-B, UCB; 5, SDSC
The scientific study of behavior in relationship to the nervous, muscular, and glandular systems, and the sensory apparatus; included are topics in inheritance, maturation, and deviations.

3 Psychology of Personality  
**Fall, Spring 3 units**
Prerequisite: None. Not open to students who have completed Psychology 1 or 2 with a grade of C or better.
Parallel: Elective, Cal Poly K
Theories of personality with emphasis upon application as they involve personal growth and adjustment.

7 Child and Adolescent Psychology  
**Fall, Spring 2 units**
Prerequisite: None.
Parallels: 13, UCSB; Home Economics 7, CSCLA
A study of pre-natal growth, the birth, and child development through the years of adolescence. Emphasis is made on physical, mental, social and emotional development. Includes nursery school observation privileges.

49 Orientation to College  
**Fall, Spring 1 unit**
Prerequisite: None.
Parallel: Elective, Cal Poly K
Orientation to college life with emphasis on helping the student adjust to the demands of college study and improve his learning skills. Attention is given to effective techniques of reading, listening, taking useful notes, planning a time schedule, learning to concentrate and remember, preparing for examinations, and using the Library. Some discussion of occupational planning is included.

60 Leadership  
**Fall 1 unit**
Prerequisite: Recommended only for student body and club officers. Required for all elected A.S.B. Officers.
Parallel: 231, Cal Poly K
Parliamentary procedure and its application to group situations.
Leadership  Spring  1 unit
Prerequisite: Psychology 60 or permission of the counselor.
Enrollment subject to review by instructor.
Parallel: Soc. Sc. 252, Cal Poly K
Principles and attitudes necessary for group-centered leadership.

RUSSIAN

1  Elementary Russian  Fall  4 units
Prerequisite: None
Parallels: Russian 1-3 or equivalent meets twelfth unit level-degree requirement for UCR; 101, CSCF
Study of Russian grammar, including alphabet, pronunciation, conversation, composition, and reading of simple literary Russian. An additional one-hour period for laboratory work is required weekly.

2  Elementary Russian  Spring  4 units
Prerequisite: Russian 1, or two years of high school Russian with at least a C average.
Parallel: 102, CSCF
Further study of Russian grammar, pronunciation, conversation, composition and reading of simple literary Russian. An additional one-hour period of laboratory work is required weekly.

3  Intermediate Russian  Fall  4 units
Prerequisite: Russian 2, or three years of high school Russian with at least a C average.
Parallel: 203, CSCF
Further study of correct grammatical and idiomatic usage of Russian, reading of fairly difficult Russian literature.

4  Intermediate Russian  Spring  4 units
Prerequisite: Russian 3, or four years of high school Russian with at least a C average.
Parallel: 203, CSCF
Review of correct grammatical and idiomatic usage of Russian, and further reading of fairly difficult Russian literature. An additional one-hour period of laboratory work is required weekly.

SOCIOMETRY

1  Introduction to Sociology  Fall, Spring  3 units
Prerequisite: None
Parallels: 1-A, UCLA; 201, CSCF
A survey of the basic concepts and theories relating to the study of man as a participant in the group life; analysis of culture, social institutions, personality development, collective behavior, and processes of social interaction.

2  American Social Problems  Fall, Spring  3 units
Prerequisite: None
Parallels: 1-B, UCLA; 202, CSCF
Identification and analysis of major social problems confronting 20th Century America; emphasizing urban and rural transformations; family life; minorities; criminal and delinquent behavior; and other topics.

12  Marriage and Family Relations  Fall, Spring  3 units
Prerequisite: Sociology 12
Parallel: 271, CSCF
A brief history of the family designed to develop a wholesome approach to marriage and family relations. Discussion develops the principles of courtship, engagement, marriage, and the first few years of married life. Problems relating to the economic and social status of the individual members of the family will be discussed.

13  Marriage and Family Relations  Fall, Spring  3 units
Prerequisite: Sociology 12
Parallel: 271, CSCF
Problems of family management and individual adjustments in marriage in the areas of economics, religion, health, social living, and sex.

SPANISH

1  Elementary Spanish  Fall, Spring  4 units
Prerequisite: None
Parallels: 1, UCLA; 101, CSCF
The essentials of Spanish grammar with careful drill on pronunciation, reading and writing, and dictating; translation of short stories and plays, with conversation based on Spanish texts. Collateral reading, with discussion in Spanish by the class. An additional one-hour period for laboratory work is required weekly.
2 Elementary Spanish  Fall, Spring  4 units
Prerequisite: Spanish 1, or two years of high school Spanish with at least a C average.
Parallels: 2, UCLA; 102, CSCF
Further study of Spanish grammar and idiomatic usage. Drill on pronunciation, reading and writing and dictation. Translation of short stories and plays, with conversation based on Spanish texts. Collateral reading, with discussion in Spanish. An additional one hour period of laboratory work is required weekly.

3 Intermediate Spanish  Fall, Spring  4 units
Prerequisite: Spanish 2, or three years of high school Spanish with at least a C average.
Parallels: 3, UCLA; 203, CSCF
Reading of Spanish novels, plays, short stories, and periodicals, with oral and written exercises based upon class work. Reports on collateral reading. Further study of Spanish grammar and syntax. Course is conducted largely in Spanish. An additional one hour period for laboratory work is required weekly.

4 Intermediate Spanish  Spring  4 units
Prerequisite: Spanish 3, or four years of high school Spanish with at least a C average.
Parallels: 4, UCLA; 204, CSCF
Further study of Spanish grammar and syntax. Reading of Spanish novels, short stories, plays and periodicals, with oral and written exercises based upon class work. Reports on collateral reading. Course is conducted in Spanish.

5 Advanced Composition and Conversation  Spring  4 units
(Formerly 11-A, 11-B; 2 units each semester)
Prerequisite: Spanish 4, or approval of counselor.
Parallel: Elective, UCR; 10, 11, SDSC
A review of grammar, composition, and conversational practices. Individual projects. This course is designed to meet the requirements of two classes of students: (1) those desiring further preparation for courses in the university; (2) those desiring greater facility in the practical use of the language.

51 Conversational Spanish  Fall, Spring  2 units
Prerequisite: None.
A non-grammatical approach to reading and speaking Spanish with emphasis on conversation. A beginning course.

52 Conversational Spanish  Fall, Spring  2 units
Prerequisite: Spanish 51
Instruction in the reading and speaking of Spanish, with an emphasis on conversation. The approach is non-gramatical.

SPEECH
1-A, 1-B Public Speaking  Year Course
1-A  Fall, Spring  3 units
Prerequisite: English 1-A, or Speech 51 with a grade of B or higher.
Parallels: 1, UCLA; 3, SDSC
Extemporaneous and impromptu public speaking, discussion techniques, rhetorical principles; some writing required.
1-B  Spring  3 units
Prerequisite: Speech 1-A
Parallel: 2, UCLA
Continuation of Speech 1-A.

3 Argumentation and Debate  Fall  3 units
Prerequisite: Speech 1-A or consent of counselor.
Parallels: 10-A, UCB; 60-A, SDSC
This course is designed to train students in logical thinking and effective presentation. It serves as a training ground for inter-collegiate forensic contests, but participation in such events is optional.

4 Argumentation and Debate  Spring  3 units
Prerequisite: Speech 3 or consent of instructor.
Parallels: 10-B, UCB; 60-B, SDSC
Continued study of research, analysis, core construction, speech composition and rebuttal techniques. Emphasis on forms of discussion and debate.

51 Beginning Speech  Fall, Spring  2 units
Prerequisite: None. Not open to students enrolled in Speech 1-A.
This is a practical approach to problems of speaking before groups in conference-type meetings. Attention is given to organization of material, development of ideas, techniques of presentation. Consideration is given to various types of practical speech situations.

**SUPERVISORY TRAINING**

51 **Elements of Supervision**  
Fall, Spring  2 units  
Prerequisite: None  
A basic introductory course covering in general terms the total responsibilities of a supervisor in industry, such as organization, duties and responsibilities, human relations, grievances, training, rating, promotion, quality-quantity control and management-employee relations.

52 **Basic Psychology for Supervisors**  
Fall, Spring  2 units  
Prerequisite: None  
Course to assist the supervisor in understanding the people with whom he works, with emphasis on the psychological aspects, perceptions, learning processes, emotions, attitudes and personalities.

53 **Human Relations**  
Fall, Spring  3 units  
Prerequisite: None. Supervisory Training 52 is recommended.  
Practical application of basic psychology in building better employer-employee relationships by studying human relation techniques.

54 **Labor-Management Relations**  
Fall, Spring  2 units  
Prerequisite: None. Supervisory Training 51 is recommended.  
The history and development of the labor movement. Development of the National Labor Relations Acts, the Wagner Act, the Taft-Hartley Act. The supervisor's responsibility for good labor relations. The union contract and grievance procedure.

55 **Organization and Management**  
Fall  3 units  
Prerequisite: None. Supervisory Training 51 is recommended.  
The supervisor's responsibility for planning, organizing, directing, controlling, and co-coordinating. Teaches the supervisor these basic functions of an organization.

56 **Supervisor's Responsibility for Personnel Management**  
Fall, Spring  2 units  
Prerequisite: None. Supervisory Training 51, 52, and 53 are recommended.

57 **Oral Communications for Supervisors**  
Fall, Spring  3 units  
Prerequisite: None  
Effective speaking and listening. Kinds of supervisory communications. Saying what we mean. Oral and written communications. Understanding what is communicated intent and effect. Planning a meeting; the agenda. Conference leading techniques.

58 **Industrial Economics**  
Fall  2 units  
Prerequisite: None  
Significant economic facts. Development of a critical attitude toward industrial economics. Institutions and practices that determine our social environment. Management-supervisory employee relationships to economy and local industry.

59 **Written Communications for Supervisors**  
Spring  3 units  
Prerequisite: None  

**THEATER ARTS**

2 **Introduction to Drama**  
Spring  2 units  
Prerequisite: None. Required of all drama majors or minors.  
Parallel: 5, SDSC  
Lectures and discussions presenting the basic philosophy underlying the various areas of drama.

7 **Oral Interpretation**  
Fall  3 units  
Prerequisite: None.  
Training in oral reading with emphasis on voice and diction, pronunciation and vocabulary.

8 **Oral Interpretation**  
Spring  3 units  
Prerequisite: None.
Performance training in oral reading of prose, poetry and drama. Practice in speaking and reading with training in principles for effective delivery.

10 Principles and Theory of Acting  
Fall 2 units
Prerequisite: None.
Parallels: 20-A, UCLA; 55-A, SDSC
Stage techniques, characterization, interpretation. Required public performance.

11 Principles and Theory of Acting  
Spring 2 units
Prerequisite: None.
Parallels: 20-B, UCLA; 55-B, SDSC
Continuation of Theater Arts 10, but open to new students. Includes play analysis, interpretation, movement, voice and diction for the stage. Required public performance.

Fall, Spring 1 unit
Courses will be taken in alphabetical sequence, beginning with A semester, no matter in which semester enrollment begins.
Prerequisite: None
Parallel: 244, Cal Poly K
Theory of stage design, set construction, stage lighting; practical work in connection with dramatic or operatic productions. One lecture and one 3-hour laboratory period per week.

60-A, 60-B, 60-C, 60-D Play Production  
Fall, Spring 1 unit
Courses will be taken in alphabetical sequence, beginning with A semester, no matter in which semester enrollment begins.
Prerequisite: None
Parallel: 244, Cal Poly K
Participation in stage productions. One meeting per week plus participation in college plays.

ZOOLOGY

1 General Zoology  
Fall, Spring 4 units
Prerequisite: None
Parallels: 1-A, UCB; Transferable to SDSC
Introduction to the principles of zoology with special reference to the structure, classification and evolution of invertebrates. Two lectures and two 3-hour laboratory periods weekly.

2 General Zoology  
Fall, Spring 4 units
Prerequisite: Zoology 1 or Biology 1
Parallels: 1-B, UCB; Transferable to SDSC
An introduction to vertebrate zoology. The structure and function of vertebrates with special emphasis upon the early development stages. Two lectures with two 3-hour laboratory periods weekly.
Faculty 1964-65

ANDRUS, RICHARD  Counseling
B.A., Long Beach State College; M.S., Brigham Young University; graduate study, University of Oregon, University of Southern California, State College, Los Angeles. At Riverside City College since 1962.

ARTHUR, DONALD B.  English
A.A., La Salle-Peru-Oglesby Junior College; B.Mus., M.Mus.Ed., VanderCook College of Music; graduate study at Bradley University, Illinois Wesleyan University, University of Illinois, Northern Illinois University, and Illinois State Normal University. At Riverside City College since 1962.

BACH, HARRY  College Librarian
B.A., B.L.S., University of California, Berkeley; graduate study at State University of Iowa, University of California, Berkeley and Riverside. At Riverside City College since 1962.

BAILEY, JO ANN  Catalog/Reference Librarian
B.S., University of Texas; M.A., University of Denver; graduate study at University of California, Riverside, and University of Redlands. At Riverside City College since 1964.

BARRICELLI, NORMA  English
B.A. (Cum Laude), Radcliffe College; A.M.T., Harvard University; graduate study at University of Florence, Italy. At Riverside City College since 1964.

BENJAMIN, HILDA J.  English
B.S., Ed., Georgia Southern College; M.S.Ed., Mercer University. At Riverside City College since 1962.

BERNYK, GEORGE S.  Cosmetology
Graduate of Bartmore Beauty College. California Teacher Training, Bartmore Beauty College, Santa Ana, California; Hair Styling at Marinello College of Cosmetology, Los Angeles. Additional study at Georgetown University, Washington, D.C., Maryland University, and University of California, Los Angeles. At Riverside City College since 1963.

BIRREN, DONALD A.  Physical Education, Wrestling
B.S., University of California, Los Angeles; graduate study at California State College, Long Beach, and University of Southern California. At Riverside City College since 1960.

BIXLER, HILDA  Nursing
Diploma in Nursing, Massillon (Ohio) City Hospital School of Nursing; B.S. in Nursing, Goshen College; M.S., University of California, Los Angeles; graduate work at Western Reserve University. At Riverside City College since 1959.
BLACK, PHILIP S. English, Speech
B.A., M.A., University of Southern California. At Riverside City College since 1946.

BLACKMUN, RUPERT B. Automotive Technology
Undergraduate study at University of Arkansas; B.A., M.A., San Jose State College. On leave 1964-65. At Riverside City College since 1957.

BLAKER, WILLIAM History
B.A., University of California, Santa Barbara; M.A., California State College, Los Angeles; graduate study at University of California, Los Angeles. At Riverside City College since 1963.

BLANCHARD, JOHN B. Spanish
B.A., McGill University; attended University of Buenos Aires; M.A., Middlebury College and University of Madrid; graduate study at Amherst College, Lafayette College, Georgetown University, University of California, Los Angeles, University of California, Riverside, and University of Guadalajara. At Riverside City College since 1960.

BRADSHAW, RALPH H. President
B.A., M.A., Washington University (St. Louis); graduate study at Claremont Graduate School. At Riverside City College since 1946.

BRAUTI, T. MARTIN Chemistry, Mathematics
B.A., Willamette University; M.S., University of Southern California; graduate study at Oregon State College, and University of California, Riverside. At Riverside City College since 1946.

BROYLES, DAVID B. Political Science
B.A. (Cum Laude), University of Chicago; B.A. (Cum Laude), University of Florida; M.A., University of California, Los Angeles; graduate study at University of California, Los Angeles. At Riverside City College since 1963.

BUCKNELL, LEROY Chairman of Business Division, Placement, Housing
B.A., San Jose State College; M.S., University of Southern California; graduate study at University of California, Riverside, Claremont Graduate School, University of Redlands. At Riverside City College since 1950.

BURTON, HOWARD A. English

CARLSON, H. DEAN Business
B.S., Valley City (N.D.) State Teachers College; M.A., University of North Dakota; graduate study at University of California, Riverside and Berkeley. At Riverside City College since 1962.

CARY, THELMA HAYES (Mrs.) Nursing
B.S.N., Dillard University; M.P.H., University of Michigan. At Riverside City College since 1964.

CHAFFINS, FRANCES (Mrs.) Counseling
B.A., Berea College, Berea, Kentucky; graduate study at University of California, Los Angeles, and University of Redlands. At Riverside City College since 1963.

COOPER, LAWSON P. Art
B.A., Pomona College; M.A., Claremont Graduate School; graduate study at Bureau of University Travel, Harvard University. At Riverside City College since 1937.

COOPER, RUTH Botany
B.A., University of California, Berkeley; graduate study at University of California, Los Angeles and Riverside, University of Wyoming, Harvard University, Pomona College, University of Redlands, and Stanford University Station of Hopkins Marine. At Riverside City College since 1931.

DAVIS, VERNON W. Instructor for the Deaf
B.A., Temple University; M.S.Ed., Gallaudet College; graduate study at San Francisco State College, San Jose State College and the University of Maine. At Riverside City College since 1964.

De FRANCISCO, NATHAN Physical Education
B.A., University of California, Los Angeles; graduate study at University of California, Los Angeles, and Claremont Graduate School. At Riverside City College since 1950.

DENHAM, PHILIP R. Physics, Engineering, Mathematics
B.S., M.S., University of Colorado. At Riverside City College since 1956.

DIETRICH, ARTHUR B. Automotive Technology
Ph.B., University of Wisconsin; B.S., M.S., Stont State College, Wisconsin. At Riverside City College since 1964.

DIXON, ROBERT T. Physics, Astronomy, Data Processing
B.S., Seattle Pacific College; M.S., University of Wisconsin; graduate study at University of California, Los Angeles, and University of Southern California. At Riverside City College since 1964.

DOHR, ROBERT J. Physical Education, Football
B.S., La Crosse State College; M.S., University of Wisconsin; graduate study at University of Redlands, Pepperdine College, and California State College, Los Angeles. At Riverside City College since 1957.

DONALDSON, MARIE M. (Mrs.) Nursing
Diploma in Nursing, Thomas P. Dee Memorial Hospital School
of Nursing (Ogden, Utah); B.S., University of Utah; M.A., Stanford University. At Riverside City College since 1960.

DUBBE, GERTRUDE  Nursing  B.S., M.Ed., University of Minnesota. Diploma in Nursing, Ancker Hospital, St. Paul, Minnesota; graduate study at Margaret Hague Maternity Hospital, Jersey City. At Riverside City College since 1960.

DUNCAN, JAMES K.  Dean of Extended Day and Summer Session  B.A., Hastings College; M.Ed., Marquette University; graduate study at Claremont Graduate School. At Riverside City College since 1953.

DYER, D. ROBERT C.  Speech, Theater Arts  B.A., Park College, Parkville, Missouri; B.T.A., Pasadena Playhouse College of Theater Arts; graduate study at Pasadena Playhouse College, California State College, Los Angeles, University of California, Los Angeles, and Claremont Graduate School. At Riverside City College since 1964.

EVERTT, STANLEY W.  Police Science  B.A., University of California, Berkeley; M.C., University of California, Berkeley. At Riverside City College since 1959.

FAGES, AL  Physical Education, Baseball  B.A., University of Redlands; graduate study at University of Nevada, California State Polytechnic College (San Luis Obispo), University of Redlands, California State College, Los Angeles California State College, San Diego. At Riverside City College since 1961.

FRASER, R. W.  Business  B.S., University of Denver; M.Ed., University of California, Los Angeles; graduate study at University of Denver, University of Southern California, University of California, Los Angeles, Claremont Graduate School, and Stanford University. At Riverside City College since 1959.

FREJAVILLE, EVE (Mrs.)  French  Baccalauréat, the Sorbonne (Paris, France); Ph.D., University of Havana (Cuba); graduate study at the Sorbonne, and University of California, Los Angeles. At Riverside City College since 1964.

GLADDEN, GARNETT L.E.  Humanities, Philosophy, Psychology  A.A., Riverside City College; A.B., University of California, Berkeley; M.A. Claremont Graduate School; graduate study at University of California, Berkeley, Los Angeles and Riverside, and Los Angeles State College. At Riverside City College since 1946.

GRORUD, ALBERT A.  Physics, Mathematics  B.S. (Cum Laude), Wisconsin State College; M.S., University of Wisconsin; graduate study at Case Institute of Technology, University of California, Los Angeles, Claremont Graduate School, New Mexico State University. At Riverside City College since 1958.

GUIN, JOHN A.  Data Processing, Music  A.A., Riverside City College; B.Mus., University of Redlands; M.Mus., University of Redlands; graduate study at University of Southern California and at Redlands University. At Riverside City College since 1957.

HANSEN, ALLEN  Mathematics  B.S., University of Minnesota; M.A., California State College, Long Beach; graduate study, Claremont Graduate School, California State College, San Diego, and University of California, Los Angeles. At Riverside City College since 1962.

HARRY, OWEN K.  Art  B.A. (Cum Laude), M.A., Suffolk University; graduate study at Harvard University, Boston University, University of California, California State College, Los Angeles. At Riverside City College since 1964.

HARRY, OWEN K.  Mathematics  B.S., Rhode Island State College; graduate study at Claremont Graduate School, Lehigh University, Redlands University, and University of California, Riverside. At Riverside City College since 1946.

HESS, CHESTER E.  Chairman of English Division, Speech  B.A., San Jose State College; M.A., University of Redlands; graduate study at University of California, Los Angeles, and University of Southern California. At Riverside City College since 1950.

HORSTON, JOHN R.  Humanities, History  A.A., Long Beach City College; B.A. (Magna Cum Laude), M.A., California State College, Long Beach. At Riverside City College since 1956.

HUNT, GLENN E.  Physical Education  B.S., North Texas State College; M.Ed., East Texas State College; graduate study at East Texas State Teachers College, Duke University, and University of California, Riverside. At Riverside City College since 1955.
State University, University of Redlands, University of Southern California, University of California, Riverside, Agricultural and Mechanical College of Texas, and Oregon State University. At Riverside City College since 1958.

HUNT, WILBERT F. English, Speech
B.S., New York University; M.A., Columbia University; graduate study at New York University, Peabody College, University of Southern California, University of California, Berkeley, University of Kentucky, Claremont Graduate School. At Riverside City College since 1958.

INFANTE, EDNA (Mrs.) French, Spanish
B.A. and M.A., University of Idaho; Ph.D., University of Madrid; graduate study at Mills College, University of California, Berkeley, and Johns Hopkins University. At Riverside City College since 1963.

ISSITT, WILLIAM T. Cosmetology
Graduate of Templeman School of Cosmetology, Kansas City, Missouri. Teacher training at Riverside City College. At Riverside City College since 1964.

JOHNSON, ARTHUR Distributive Education
B.S., Northwestern University; M.B.A., University of Southern California; graduate study at University of California, Berkeley, and Claremont Graduate School. At Riverside City College since 1964.

JOHNSON, CECIL E. Zoology, Biology
A.A., Compton College; B.S., University of Southern California; M.A., California State College, Los Angeles; graduate study at Hopkin's Marine Station, Stanford University, University of California, and University of Redlands. At Riverside City College since 1952.

JOHNSON, THOMAS MARK Director of Athletics and Chairman of Physical Education, Track
B.S., Kansas State Teachers College; M.S., University of Iowa; graduate study at University of Redlands, At Riverside City College since 1960.

JOHNSON, THOMAS MEIDELL Humanities, English
B.A., Doane College; M.A., University of Redlands; graduate study at Claremont Graduate School. At Riverside City College since 1958.

JUDD, IRMA S. (Mrs.) Cosmetology
Graduate of Ex-cel-sis School of Beauty Culture, Salt Lake City, Utah. California Teacher Training, Sullivan Beauty College, Los Angeles. Roberta Tate Hairstyling. Vocational graduate, University of California, Los Angeles. At Riverside City College since 1949.

JURGEN, HENRIETTA (Mrs.) Nursing
B.A., Elmhurst College; M.A., University of Chicago. At Riverside City College since 1960.

KIRKPATRICK, ALLAN O. Sociology
B.S., M.S., Indiana University; graduate study at Missouri State Teachers College, University of California, Riverside, and Butler University. At Riverside City College since 1961.

KNIGHT, ARTHUR WINFIELD Journalism
B.A., M.A., San Francisco State College. At Riverside City College since 1964.

KNOPF, ARTHUR C. Journalism, Political Science, Director of Information Services
B.A., Carleton College; M.S., University of Southern California; graduate study at University of California, Los Angeles, University of Minnesota, and Claremont Graduate School. At Riverside City College since 1950.

KRATT, JOHN Police Science
B.S., Pepperdine College. At Riverside City College since 1963.

KREBS, LEE (Mrs.) Business
B.S., Oklahoma Baptist University; M.Ed., Midwestern University; graduate study, University of California, Riverside. At Riverside City College since 1960.

KRIVANEK, KENNETH German
A.A., Riverside City College; B.A., Wabash College; M.A., University of California, Los Angeles; graduate study at Claremont Graduate School, and the Goethe-Institute, Munich, Germany. At Riverside City College since 1960.

KROGER, ROBERT S. Physics, Engineering, Mathematics
A.A., Pomona Jr. College (now Mt. San Antonio College); B.A., (With Distinction), Stanford University; E.M., Stanford University; graduate study at Claremont Graduate School. At Riverside City College since 1955.

LARSON, LAWRENCE Chairman of Physical Science Division, Engineering, Mathematics
B.A., Minot (N.D.) State College; M.Ed., University of Montana; graduate study at University of Southern California; University of California, Berkeley, and Los Angeles, and University of Redlands. At Riverside City College since 1949.

LEECH, EVA MAE (Mrs.) Nursing
B.S., Loma Linda University. Diploma in Nursing, St. Helena Sanitarium and Hospital, Sanitarium, California; graduate study at Loma Linda University. At Riverside City College since 1964.
LOERING, ALBERT E. Business
A.A. (With Honors) Riverside City College; B.A., M.A., University of Redlands; graduate study at Boston University, University of Hawaii, and University of California, Riverside. At Riverside City College since 1958.

LOERING, W. ELIZABETH (Mrs.) Chemistry
Long Beach City College, University of California, Los Angeles, B.S., California State College, Long Beach, M.S., California State College, Long Beach. At Riverside City College since 1964.

LOWE, FREDERICK A. Zoology, Biology
B.A., University of California, Santa Barbara; graduate study at University of California, Los Angeles, University of California, Riverside, and Hopkins’s Marine Station, Stanford University. At Riverside City College since 1958.

MacCUIISH, DAVID E. Speech, English
B.A., New Mexico, M.A., Claremont Graduate School; graduate study at University of Pennsylvania. At Riverside City College since 1958.

MACKENZIE, MAURICE RUSSELL
Chairman of Social Science Division, Economics, Political Science
B.S. (Cum Laude), Harvard University, Ed.M., Harvard University; graduate study at University of Chicago, University of Southern California, and Columbia University. At Riverside City College since 1926.

MATHEWS, HANNAH M. Nursing
B.S., Western Reserve University, Diploma in Nursing, Aultman Hospital School of Nursing, Canton, Ohio. At Riverside City College since 1959.

MATULICH, JOHN M. Associate Dean of Admissions, Golf
A.A., B.S., M.S., University of California, Los Angeles; graduate study at Redlands University and University of California, Los Angeles. At Riverside City College since 1955.

McGARIGLE, WILLIAM J. English
A.A., El Camino College, B.A., M.A., California State College at Long Beach. At Riverside City College since 1964.

McGAUGHEY, LILLIAN RUTH Nursing
A.A., Northeastern Oklahoma A&M, Diploma, Orange County General Hospital School of Nursing, B.S., University of Colorado. At Riverside City College since 1961.

McKUSICK, ROSA A. Catalog Librarian
B.A., Whittier College, M.A., Columbia University, Certificate in Librarianship, University of California, Berkeley. At Riverside City College since 1951.

MERRICK, MARY JANE (Mrs.) Assistant to the Dean of Student Activities
A.A., Riverside City College, B.A., University of California, Santa Barbara; graduate study at University of California, Riverside and University of Redlands. At Riverside City College since 1957.

METCALF, LEONARD C. Dean of Student Activities, and Dean of Men
B.A., Houghton College, M.S., Syracuse University; graduate study at University of California, Berkeley, and Redlands University. At Riverside City College since 1956.

MILLER, JOE B. Health Science, Speech
B.A., University of Washington, M.A., California State College, Long Beach; graduate study at Claremont Graduate School, California State College, Long Beach, University of Washington, University of California, Riverside. At Riverside City College since 1957.

MITCHELL, WILLIAM W. Art
B.F.A., University of Denver, M.A., Claremont College. At Riverside City College since 1963.

MOHAN, CLIFFORD Instructor for the Deaf
B.S., Eastern Michigan University, M.A., University of Michigan; graduate study at Western Reserve University and Michigan State University. At Riverside City College since 1961.

MYERS, DONALD W. Microbiology, Health Science
B.S., Indiana State, M.S., University of Wisconsin; graduate study at University of Southern California, University of California, Riverside, California State College, Los Angeles, and Redlands University. At Riverside City College since 1962.

NAGELE, MARGARET F. Chairman of Nursing Division
B.A., Gettysburg College, Diploma in Nursing, The Johns Hopkins Hospital School of Nursing, M.S., University of California, Los Angeles; graduate study at University of Pennsylvania. At Riverside City College since 1959.

NELSON, LOIS (Mrs.) College Nurse
R.N., Washington, D.C. Sanitarium and Hospital; B.Sc., Pacific Union College; graduate work, University of California, Riverside and Berkeley, and La Verne College. At Riverside City College since 1964.

NEWSTEAD, JOHN E. Business
B.S., State University of New York, M.A., University of Redlands; graduate study at Syracuse University and University of California. At Riverside City College since 1947.
NOBLE, ORLAND W.
President Emeritus
B.P.E., George Williams College, B.S., M.S., University of Southern California; graduate work at Whittier College, Redlands University, University of Southern California, University of California, Berkeley. At Riverside City College since 1943. Retired, 1963. Deceased, December 4, 1964.

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Index

Accounting
Courses 78, 80-81, 84
Curricular pattern 49

Accreditation
10

Adding courses 32

Address, change 34

Administration Building 12

Administrative staff Inside front cover

Admission
Day students 19-21
Extended Day 27-29

Agricultural Science
Curricular pattern 57

Anatomy (see Physiology)

Anthropology courses 71-72

Application for admission 19

Architecture courses 72

Art
Courses 72-76
Curricular patterns 49, 57
Facilities 13

Associate in Arts degree 29-30

Associated Student Body
Dance programs 46
Dramatic events 46
Film series 46
Forensics 46
Government 43
Membership 23
Musical events 46
Organizations
Honorary 44
Professional 44
Service-Society 44
Publications 46
Social events 46

Astronomy courses 76

Athletics 45

Attendance 34

Auditing classes 33

Auditoriums 13

Automotive Technology
Courses 76-77
Curricular pattern 50
Facilities 13
Awards 42-43

Biology
Courses 78
Facilities 15

Board of Trustees
Inside front cover

Books and equipment 23
Bookstore 38

Botany
Courses 78
Curricular pattern 58

Business
Courses 78-88
Curricular patterns
Administration 58
Clerical 50
Data Processing 50
General 51
Industrial Supervision 54
Real Estate 55-56
Secretarial Training 56

Cafeteria 38
Calendar 4-6
California Constitution Requirements 29
Certificate programs 29
Chemistry
Courses 88-89
Curricular pattern 58
Chimes 16
Classification of students 30
College Year 19
Community Services 12
Cosmetology
Courses 89-91
Curricular pattern 51
Facilities 13
Counseling Center 37
Counseling examinations 20-21
Curricular Patterns 49-68
Cutter Pool 13

Data Processing Center 15

Deaf Students, Program for 27

Dean of Student Activities 37

Dental Hygiene
Curricular pattern 59

Dentistry
Curricular pattern 59

Discipline 46

Distributive Careers
Curricular pattern 51

Drafting
Curricular pattern 52

Dropping courses 33

Economics courses 91-92
Curricular pattern 59

Education course 92
(see also Teaching)

Electronics
Courses 92-96
Curricular pattern 52
Facilities 14

Engineering
Courses 96-98
Curricular pattern 60

Engineering Aide
Curricular pattern 52

English
Courses 98-102
Curricular pattern 60

Expenses 23

Extended Day
Bulletin 28
Counseling 28-29
Counseling examinations 28
Enrollment 27-29
Test permit 28

Faculty 153-165

Final examination 32

Fire Science courses 102

Foreign language laboratory 15

Forest Management
Curricular pattern 60

French courses 102-103

General Education Requirements
University of California,
College of Letters and Science 25-26
California State Colleges 26-27

Geography courses 103

Geology courses 104

German courses 104-105

Grade points 31

Grades, mid-term 32

Grading system 31-32

Graduation requirements 29-30

Graphic Arts
Courses 105-108
Curricular pattern 53
Facilities 14

Gymnasiums 15

Health Science course 108

Health requirements 20

Health services 37

History
Courses 108-109
Curricular pattern 61

Home Economics
Courses 109-111
Curricular patterns 53-61

Housing Office 37

Humanities 111-112

Industrial Arts
Curricular pattern 62

Industrial Supervision
Curricular pattern 53-54

Intramural sports 147

Italian courses 112

Journalism
Courses 112-114
Curricular patterns 62
Facilities 15
Law  
Curricular patterns 62, 63  
Library 15  
Loans 38  

Mathematics  
Courses 114-118  
Curricular pattern 63  
Medical Technology  
Curricular pattern 63  
Medicine  
Curricular pattern 64  
Microbiology  
Course 118  
Curricular pattern 64  
Music  
Courses 118-123  
Curricular pattern 64  
Facilities 16  

Nursing  
Offices and laboratories 14  
Registered Courses 123-129  
Curricular pattern 54, 65  
Vocational Courses 126-129  
Curricular pattern 55  

Occupational Law Enforcement  
Curricular pattern 55  
Occupational-Technical  
Curricular 49-56  
Organizations, Student 44  
Out-of-Country Students 19, 23  
Out-of-State Students 19, 23  

Parallel Courses 71  
Peace Officers' Basic Training School 139  
Permits to take tests 20  
Pharmacy  
Curricular pattern 65  
Philosophy courses 129-130  
Photography courses 113  

Physical Education  
Courses 130-134  
Curricular pattern 65  
Facilities 15  
Physical Science  
Course 134  
Physical Therapy  
Curricular pattern 66  
Physics  
Courses 135  
Curricular pattern 65  
Laboratories 16  
Physiology courses 136  
Placement Office 37  
Podiatry  
Curricular pattern 66  
Police Science  
Courses 136-140  
Curricular patterns 55, 67  
Facilities 15  
Political Science courses 140  
Prerequisite courses, grade required in 82  
Printing (see Graphic Arts)  
Probation 33-54  
Program, change of 32  
Programming 24  
Psychology  
Courses 140-142  
Curricular pattern 67  

Reading laboratory 16  
Real Estate  
Courses 86-87  
Curricular pattern 55  
Registration  
Application, dates for filing 19  
Counseling 23  
Late registration 23  
Who may attend 19  
Repeated courses 32  
Residence defined 19  
Riverside City College  
Bulletins 170  
College year 19  
History 10  

Riverside City College (Cont'd)  
Objectives and purposes of 9  
Philosophy of 9  
Russian courses 142  

Scholarships 42  
Scholastic Honors at Graduation 30  
Social Welfare  
Curricular pattern 67  
Sociology  
Courses 143  
Curricular pattern 68  
Spanish courses 143-145  
Speech courses 145-146  
Strong Vocational Interest Blanks 23  
Student services 37  
Study list regulations 31  
Summer sessions 19  
Supervisory Training Courses 146-147  
Swimming pool 13  

Teaching, curricular patterns  
Elementary 68  
Secondary 68  
Junior College 68  

Test permits 20  
Tests  
English Qualifying 20  
General College Aptitude 20  
Permits 20  
Schedule of 22  
Strong Vocational Interest Blanks 23  
Theater Arts  
Courses 147-148  
Curricular pattern 57  
Tigers Den 38  
Transcripts 19, 34  
Transfer to  
University of California 24-26  
California State Colleges 26-27  
Transfer curricular 57-68  

Veterans' education 27  
Vocational Rehabilitation 27  

Withdrawal from college 31-32  

Zoology courses 148
RIVERSIDE CITY COLLEGE BULLETINS

College Catalog - - - - - - - - - April
Books and Materials required in Courses of Instruction - - - - September and January
Schedule of Classes - - - - July and December
Extended Day Class Schedule - - July and December
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