Opportunities Await You
at
Glendale College
"The towering oak and olive encircle her with green."
"We love her trails of yellow, her roofs of brightest red."
Aviation, both ground school and flight training, attracts students to Glendale College.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calendar</td>
<td>10</td>
</tr>
<tr>
<td>Registration Schedule</td>
<td>11</td>
</tr>
<tr>
<td>College Year</td>
<td>12</td>
</tr>
<tr>
<td>Administration</td>
<td>13</td>
</tr>
<tr>
<td>Faculty</td>
<td>14</td>
</tr>
<tr>
<td>Schedule of Classes</td>
<td>23</td>
</tr>
<tr>
<td>General Information</td>
<td>24</td>
</tr>
<tr>
<td>Location</td>
<td>24</td>
</tr>
<tr>
<td>Buildings and Facilities</td>
<td>24</td>
</tr>
<tr>
<td>Purpose</td>
<td>25</td>
</tr>
<tr>
<td>Veteran Education</td>
<td>26</td>
</tr>
<tr>
<td>Specialized Training</td>
<td>28</td>
</tr>
<tr>
<td>Extended Day and Evening Classes</td>
<td>28</td>
</tr>
<tr>
<td>Summer Term</td>
<td>28</td>
</tr>
<tr>
<td>Administration Office</td>
<td>29</td>
</tr>
<tr>
<td>Student Welfare</td>
<td>29</td>
</tr>
<tr>
<td>Admission and Registration</td>
<td>32</td>
</tr>
<tr>
<td>Entrance Requirements</td>
<td>32</td>
</tr>
<tr>
<td>Registration</td>
<td>33</td>
</tr>
<tr>
<td>Costs</td>
<td>33</td>
</tr>
<tr>
<td>Counseling</td>
<td>34</td>
</tr>
<tr>
<td>Eligibility for Courses</td>
<td>35</td>
</tr>
<tr>
<td>Transfers to the University of California</td>
<td>35</td>
</tr>
<tr>
<td>Regulations</td>
<td>38</td>
</tr>
<tr>
<td>Grades and Scholarships</td>
<td>38</td>
</tr>
<tr>
<td>Attendance</td>
<td>40</td>
</tr>
<tr>
<td>Examinations</td>
<td>41</td>
</tr>
<tr>
<td>Graduation Requirements</td>
<td>43</td>
</tr>
<tr>
<td>Semi-professional Curricula</td>
<td>44</td>
</tr>
<tr>
<td>Transfer Curricula</td>
<td>57</td>
</tr>
<tr>
<td>Courses and Their Content</td>
<td>81</td>
</tr>
<tr>
<td>Appendix</td>
<td>120</td>
</tr>
<tr>
<td>Index</td>
<td>130</td>
</tr>
</tbody>
</table>
CALENDAR 1947-1948

FIRST SEMESTER

August 1, 23 — Pre-registration Examinations—8:00 A.M.
September 2, 10 — Pre-registration Examinations—8:00 A.M.
August 18 - Sept. 12 — Registration According to Schedule
September 12 — Freshman Day— 9:00 A.M.
(All new students are expected to attend.) Attendance will be checked.
September 15 — Class Instruction Begins
September 24, 25, 26 — File Permanent Programs
November 11 — Armistice Day—Holiday
November 14 — Mid-Term Grade Reports
November 24 — Last Day to Drop Class Without “F” Grade

November 27-28 — Thanksgiving Vacation
December 22 - Jan. 2 — Christmas Vacation
January 21 — Last Day of Class Instruction
January 22 — Final Examinations Begin
January 30 — End of Semester

SECOND SEMESTER

December 6 — Pre-Registration Examinations—8:00 A.M.
December 8 - Jan. 30 — Registration According to Schedule
January 17, 29 — Pre-registration Examinations—8:00 A.M.
January 30 — Freshman Day— 9:00 A.M.
(All new students are expected at attend.) Attendance will be checked.

February 2 — Class Instruction Begins
February 11, 13 — File Permanent Programs
February 12 — Lincoln’s Birthday—Holiday
February 23 — Washington’s Birthday—Holiday
March 22-26 — Spring Vacation
April 9 — Mid-Term Grade Reports
April 19 — Last Day to Drop Class Without “F” Grade

May 31 — Memorial Day—Holiday
June 9 — Last Day of Class Instruction
June 10 — Final Examinations Begin
June 18 — End of Semester
REGISTRATION SCHEDULE

FIRST SEMESTER

August 18, 19, 20, 21, 22, 23, 25, 26 8:00 a.m.—4:30 p.m.
Registration of former Glendale College students

August 27, 28, 29, September 2 8:00 a.m.—4:30 p.m.
Registration of new students who are veterans and who
formerly attended high school in Glendale.

September 3, 4, 5, 6, 8 8:00 a.m.—4:30 p.m.
Registration of new students who are not veterans and who
graduated from high school in Glendale.

September 10, 11 8:00 a.m.—4:30 p.m.
Registration of all others legally entitled to attend Glendale
College.

SECOND SEMESTER

December 8 through January 30

Registration will be in accordance with schedule to be
announced later. Schedule will give group preference as
indicated for first semester.

Note: Although Glendale College will operate on an extended
schedule and will endeavor to care for the junior college needs
of all the people of the community, it will be difficult to meet
the desires of all with regard to classes and time schedules. Pros-
pective students are, therefore, urged to conform to the above
calendar, to take examinations according to schedule, and to
consult counselors at the earliest possible date. Preference will
be given to those who come first.
## COLLEGE YEAR

### JULY 1947

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### JANUARY 1948

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
</tr>
</tbody>
</table>

### AUGUST 1947

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### FEBRUARY 1948

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SEPTEMBER 1947

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MARCH 1948

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### OCTOBER 1947

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
</tr>
</tbody>
</table>

### APRIL 1948

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

### NOVEMBER 1947

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MAY 1948

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DECEMBER 1947

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
</tr>
<tr>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### JUNE 1948

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GLENDALE COLLEGE ADMINISTRATION

BOARD OF EDUCATION

Mrs. Alice R. Brennan, President
Mrs. Ruth E. Buchanan, Vice President
Clency H. Hasbrouck, Lincoln Heyes, Dr. Arthur L. Hudson
Willard S. Ford, Superintendent of Schools
Normal C. Hayhurst, Deputy Supt. John T. Cate, Assistant Supt.

COLLEGE STAFF

Basil H. Peterson . . . . . . . Director
Elmer T. Worthy . . . . . . . Dean of Men
Elizabeth A. Rowley . . . . . . Dean of Women
Edward H. Nix . . . . . . . Dean of Guidance
Clara Brees, Lois H. Flint, Leroy T. Herndon, Jr.,
Sherman G. Miller, Lois J. Swanson, Park L. Turrill,
Eugene Wolfe. . . . . . . . Counselors
Margaret R. Anderson . . . . . . Secretary to the Director
Margaret F. McElroy . . . . . . Recorder

CONSULTATION SERVICE

General college interests, public relations,
matters of policy . . . . Basil H. Peterson, Director
Social program, activities of women,
housing for women . Elizabeth A. Rowley, Dean of Women
Student clubs, activities of men . Elmer T. Worthy, Dean of Men
Student and veteran counseling Edward H Nix, Dean of Guidance
Employment . . . . Eugene Wolfe, Placement Officer
Records, transcripts . . . Margaret F. McElroy, Recorder

VETERANS GUIDANCE CENTER

Ralph H. Carter, Russell T. Cripe,
Frank P. Lauridsen . . . . . . Vocational Counselors
Florence B. Brawer . . . . . . Psychometrist
FACULTY

ABEL, C. JEANETTE . . . . . . . . . . . . Art
Graduate, San Francisco Institute of Art, and California School of Design and Fine Arts. Special courses at the Chouinard Art Institute, Los Angeles Art Center, Oakland Arts and Crafts School, University of California, Columbia University. Formerly Teacher, Visalia and Glendale schools. Painter-Sculptress. Glendale College since 1938.

ADAMS, ERCIL WESLEY . . . . . . . . . . . . English
A.B., University of Southern California. Graduate study, University of Southern California. Formerly Teacher, Glendale and Herbert Hoover High Schools, Glendale. Glendale College since 1946.

ALLEN, GERALD NATHAN . . . . . . . . . . . . English
A.B., M.A., Occidental College. Graduate study, Stanford University and University of Southern California. Formerly Teacher, Santa Ana schools and Glendale High School. Glendale College since 1928.

APSIT, MARGER . . . . . . . . . . . . . . . . Physical Education

BLOOMFIELD, EMILY MARY . . . . . . . . . . . . Chemistry
A.B., M.A., University of Southern California. Formerly Assistant in Nutrition Research, Institute of Child Research, Teachers College, Columbia University; Assistant Professor, College of Dentistry, University of Southern California. Glendale College since 1946.

BRADBURY, ROSCOE C. . . . . . . . . . . . . . Mathematics
A.B., M.A., University of Southern California. Graduate study, University of Southern California. Mathematics Instructor and Supervisor; Santa Ana Army Air Base, Assistant Director Ground Training, Stockton Field; Head Navigation Department, Minter Field, Bakersfield, California. Glendale College since 1946.

BREES, CLARA . . . . . . . . . . . . . . . . Counselor, Mathematics
A.B., University of Minnesota; M.S., University of Southern California. Graduate study, Stanford University. Formerly Teacher, Hot Springs High School, South Dakota; Instructor, University of California at Los Angeles; Teacher and Counselor, Glendale High School. Glendale College since 1945.

BREWSTER, HAROLD . . . . . . . . . . . . . Radio Production, Speech
A.B., M.A., Ph.D., University of Southern California. Formerly Teacher, Herbert Hoover High School, Glendale; Instructor, Chico State College, Summer Session, and Fresno State College, Summer Session, California. Glendale College since 1945.
Bridgman, Donald  . . . .  English, Social Science

A.B., Chapman College; M.S., University of Southern California. Graduate study, University of Southern California. Formerly Teacher, Inglewood schools. U.S. Navy, World War II. Glendale College since 1946.

Cahoon, Gene  . . . .  Aviation Mechanics


Carney, Richard E.  . . . .  English, Social Science


Champlin, Winifred E.  . . . .  Hygiene, Physical Education

B.S., University of Washington; M.A., University of Southern California. Graduate study, University of California, and University of Nevada. Formerly Teacher, Paso Robles High School and Glendale High School; Teaching Fellow, University of California; Instructor, University of Nevada. Glendale College since 1929.

Cochrane, Harold B.  . . . .  Chemistry


Dodson, James L.  . . . .  Social Science

A.B., Colorado College; M.A., Princeton University; Ph.D., University of Colorado. Graduate study, University of Southern California. Formerly Assistant Professor, Texas A. and M. College; Instructor, San Bernardino Valley College. Glendale College since 1946.

Elliot, Abraham F.  . . . .  Hygiene, Physical Education

A.B., Occidental College. Formerly Teacher, Glendale High School; Instructor, Navy V-5, Glendale College, Prescott, Arizona. Glendale College since 1945.

Elliot, Mildred  . . . .  English, Social Science

A.B., Occidental College; M.A., University of Southern California. Graduate study, University of Iowa. Formerly Teacher, Sioux City, Iowa, and South Pasadena. Glendale College since 1947.

Fischer, Egbert D.  . . . .  Physics, Mathematics

A.B., Sam Houston State Teachers College; M.A., University of Texas. Formerly Teacher, Corpus Christi, Texas; Instructor, Corpus Christi Junior College. U.S. Navy, 1944-46. Glendale College since 1946.
FLINT, LOIS H. . . . . . Counselor, Psychology

A.B., M.A., Syracuse University. Graduate study, Vassar College, New York University; Columbia University, and Stanford University. Formerly Assistant Instructor and Dean of Women, Syracuse University; Assistant Professor, Illinois Wesleyan University. Glendale College since 1938.

FOX, MARGUERITE V. . . . . . French, Spanish

A.B., DePauw University; Certificate of French, University of Bordeaux, France. Graduate study, University of Southern California. Formerly Teacher, Monmouth High School, Illinois; Instructor, Missouri State Teachers College. Glendale College since 1927.

HADEN, HARLEY J. . . . . . Mathematics, Physics

A.B., Occidental College; M.A., University of Southern California. Formerly Teacher, Calipatria High School and Herbert Hoover High School, Glendale. Radar and V.H.F. Radio Officer, U.S. Army Air Forces. Glendale College since 1945.

HARRINGTON, CHARLES H. . . Mathematics, Photography

A.B., M.A., Stanford University. Formerly Instructor, Stanford University. Glendale College since 1930.

HAWKES, ERNEST W. . . . . . Biological Science

A.B., Dakota Wesleyan University; M.A., Ph.D., University of Pennsylvania. Formerly Instructor, University of Pennsylvania and University of Pittsburgh; University Fellow, Columbia University; Research Fellow, Wistar Institute of Anatomy; Coordinator, United States Veterans’ Bureau; Member, Canadian Geological Survey and United States Research Council; Staff of Surgeon-General, World War I. Glendale College since 1928.

HERNDON, LEROY TRAVERS, JR. . . . Counselor, Spanish

A.B., M.A., Stanford University. Graduate study, University of California, University of Mexico, and Stanford University. Formerly Teacher, Orosi High School; Instructor, Central School of Modern Languages, Barcelona, Spain, and Sacramento Junior College. A.U.S. 1942–45. Glendale College since 1930.

HOLLAND, LELAND W. . . . . . Mathematics, Physics

A.B., M.A., University of Southern California. Graduate study, Teachers College, Columbia University. Formerly Teacher, San Diego and Riverside High Schools; Instructor, Riverside Junior College, William Nast Academy at Kiukiang, China, and Pasadena Junior College; Teaching Fellow, University of Southern California; Research Associate, California Institute of Technology. Glendale College since 1947.
HUBER, FREDERICK R. . . . . . . English
   A.B., University of California at Los Angeles; M.A., University of Southern California. Formerly Teacher, Fresno High School. Special Education Service Officer, U.S. Army. Glendale College since 1948.

JOHNS, RALPH LESLIE . . . Philosophy, Psychology
   A.B., M.A., University of California; B.D., Pacific School of Religion. Graduate study, University of Southern California, Stanford University, and Indiana University. Formerly Assistant Superintendent, San Francisco Schools; Director, Golden Gate College; Member, Los Angeles Schools Bureau Psychology and Research. Glendale College since 1928.

KENNEDY, GWEN M. . . . . . . . . Commerce
   B.S., M.S., University of Southern California. Formerly Teacher, Herbert Hoover High School, Glendale. Glendale College since 1937.

KERR, WILLIAM C. D. . . . . . French, Portuguese, Spanish
   A.B., University of North Carolina. Graduate study, Harvard University, Columbia University, University of Mexico, and in Europe. Formerly Instructor, Armour Technological School, Columbia University; Assistant Professor, University of Richmond and University of North Carolina; Lecturer, Columbia University, University of Paris, and University of California; Interpreter Service, A.E.F., France. Glendale College since 1929.

KIEFLE, JOHN E. . . . . . . . . . Social Science
   A.B., Central Wesleyan College; M.A., University of Southern California. Graduate study, University of California, University of Southern California, and Northwestern University. Formerly Teacher, Colton High School and Glendale High School; Lecturer, University of Southern California. Glendale College since 1931.

KITCHE, LORAN W. . . . . . . Biological Science
   B.S., University of Idaho; M.S., University of Southern California. Formerly Teacher, Glendale and Herbert Hoover High Schools, Glendale. Glendale College since 1938.

KLOTZ, DOROTHY E. . . . Commerce, Geography
   B.S., A.B., Ohio State University; M.S., University of Southern California; Diploma, Bliss College. Glendale College since 1933.

KRAUSE, ARTHUR . . . . . . . . . Commerce, Hygiene
   B.Ed., Whitewater, Wisconsin, State Teachers College; M.A., University of Iowa. Graduate study, University of Chicago, New York University School of Retailing, and University of California. Formerly Teacher, Proviso Township High School, Maywood, Illinois; Instructor, Wilson Junior College, Chicago, Illinois, and University of Indiana Extension Division, East Chicago, Indiana; Management Analyst, Chicago Quartermaster Depot, Glendale College since 1945.
KREIDER, JOHN S. . . . . . Social Science

LAUSMAN, ELLA E. . . . . . Mathematics
A.B., Western Michigan College of Education; A.M., University of Michigan. Graduate study, University of Michigan. Formerly Teacher, Howell and Lincoln High Schools, Michigan; Instructor and Principal, Freshman College, Benton Harbor; Instructor, Western Michigan College. Glendale College since 1946.

MCLAKEY, FRANK L. . . . . . Aviation Mechanics
Formerly Superintendent Engine Overhaul, Chicago and Southern Air Lines and Western Air Lines; Teacher, Long Beach City College. Glendale College since 1917.

MCLANE, LUCILLE . . . . . Physical Education
B.S., University of California at Los Angeles. Graduate study, University of Southern California. Formerly Teacher, Herbert Hoover High School, Glendale. Glendale College since 1946.

MCLAUGHLIN, J. HOBART . . . . . Music

MANE, FLORENZE K. . . . . . Commerce
A.B., University of California; M.A., Columbia University. Glendale College since 1951.

MANETTA, LAURA . . . . . French, Spanish
A.B., University of California; M.A., University of Southern California; Certificate, University of Paris (Sorbonne). Formerly Teacher, Glendale High School. Glendale College since 1946.

MESERVE, CLEMENT D. . . Geology, Mathematics, Paleontology
A.B., Yale College; M.A., University of California. Formerly Teacher Franklin High School; Instructor, Chaffey Junior College and University of California at Los Angeles; Teaching Fellow, California Institute of Technology; Oil Field Inspector and Petroleum Engineer, California State Mining Bureau; United States Geological Survey. Glendale College since 1928.
MILLER, SHERMAN C. Commerce, Counselor

NICHOLS, CHARLES LESLIE Engineering, Mathematics
B.S., Franklin College; M.S., University of Nebraska. Formerly Teacher, Lincoln, Nebraska, High School; Instructor, Citrus Junior College and New Mexico School of Mines; Engineer, City of Azusa, Glendale College since 1929.

NIX, EDWARD H. Dean of Guidance, Psychology
A.B., Humboldt State College, California; M.A., Stanford University. Formerly Teacher, Eureka High School; Co-ordinator of Secondary Education, Kern County; Instructor, Fresno State College; President, Board of Directors, Henrietta Weil Child Guidance Clinic. Glendale College since 1947.

NOBLE, LOYD S. Commerce, Law
A.B., Simpson College; L.L.B., University of Southern California, Graduate study, University of California. Formerly Instructor, Business College, Des Moines, Iowa, and Armstrong College of Business Administration, Berkeley; Teacher, Santa Ana High School. U.S.M.C.R., 1943-46. Glendale College since 1927.

PAINE, ROBERT English, Spanish
A.B., M.A., Occidental College. Graduate study, University of Mexico. Formerly Teacher, Riverside High School. Glendale College since 1946.

PATTISON, IRENE MADDOCKS Music
B.M., College of the Pacific; M.M., University of Southern California. Formerly Supervisor of Music, Globe, Arizona, and Paso Robles Schools. Glendale College since 1928.

PETerson, BASIL H. Director
A.B., M.A., Ph.D., University of California. Formerly Instructor and Athletic Coach, Bakersfield High School and Junior College, and Piedmont High School; Principal, Mt. Shasta High School; Assistant to Dean and Lecturer in Education, University of California, Davis; Assistant Business Manager, Radiation Laboratory, University of California. Glendale College since 1943.

PLACE, DERRILL English, Journalism
A.B., Wabash College; M.A., Ohio State University. Formerly Instructor, Valparaiso University. Glendale College since 1937.
PRILL, WALTER C. . . . Drama, English, Speech

RAMBO, ANNE . . . . Aviation, Social Science

RAMONT, ESTHER . . . . Librarian
A.B., University of Southern California; Library Credential, University of California. Formerly Cataloger and Reference Librarian, McHenry Public Library, Modesto; Librarian, Modesto High School and Junior College; Summer Session Librarian, Santa Barbara State College. Glendale College since 1929.

ROWLEY, ELIZABETH . . . Dean of Women, Psychology
A.B., Western College for Women; M.S., University of Southern California. Formerly Instructor in Ohio and Glendale, California Schools. Glendale College since 1944.

RYAN, THOMAS S. . . . Aviation, Engineering Drawing
B.S., M.S., University of Southern California. Formerly Instructor, Burbank High School and Herbert Hoover High School, Glendale. U.S. Naval Aviator, 1942-46. Glendale College since 1939.

SALTHNESS, ARTHUR E. . . . Commerce, Social Science

SHively, JOHN JR. . . . Machine Shop, Sheet Metal Shop
A.B., Whittier College. Graduate study, Whittier College, University of Southern California, University of California at Los Angeles, and Santa Barbara State College. Formerly Teacher, Montebello. Glendale College since 1946.

SMITH, ALBERT IRVING . . . Architecture, Art
SMITH, ELTON . . . . . . Aviation, Mathematics

SPAGNOLI, DONALD VERNE . . . . . Economics, Mathematics, Social Science
A.B., M.A., University of California. Graduate study, University of Mexico. Formerly Teacher, El Dorado County High School. Glendale College since 1928.

SPENCER, DORIS G. . . . . . Architecture, Art, Engineering Drawing
B.S., M.S., University of California. Special courses at California School of Fine Arts, San Francisco, and California School of Arts and Crafts, Oakland. Formerly Teacher, Turlock, Centerville, Oakland, and Glendale High Schools. Glendale College since 1947.

SPERRY, GEORGE S. . . . . . Physical Education
A.B., College of Pacific. Graduate study, Stanford University, University of Southern California, and University of California. Formerly Athletic Director, Chico State College and Taft Union High School. Teacher and Coach, Glendale High School. Glendale College since 1944.

STEEL, HELEN COX . . . . . Hygiene, Physical Education
B.S., M.S., University of Southern California. Formerly Teacher, Glendale High School. Glendale College since 1931.

SWANSON, LOIS J. . . . . . Counselor, Home Arts
A.B., Morningside College; M.A., Ph.D., University of Iowa. Formerly Research Fellow, University of Iowa; School Psychologist, Sioux City, Iowa; Instructor, Syracuse University; Co-ordinator of Curriculum and Guidance, Burbank High School. Glendale College since 1946.

TENISON, SAM ALFRED . . . . . Physical Education
B.S., James Millikin University. Graduate study, Springfield College and University of Southern California. Formerly Teacher and Coach, Butte High School; Instructor, Wisconsin State Normal and California Institute of Technology. Glendale College since 1928.

THOMTE, KARL A. . . . . . . Aviation Mechanics
Formerly Experimental Mechanic, Boeing Aircraft Corporation; Flight Inspector, Lockheed Aircraft Corporation; A. and E. Mechanic with C.A.A. Glendale College since 1946.

TURRILL, PARK L. . . . . . Chemistry, Counselor
A.B., B.S., University of Redlands; M.S., University of California. Graduate study, California Institute of Technology. Consulting Chemist and Chemical Engineer. Glendale College since 1927.
Ueland, Emma M.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Home Arts


Wiebe, Herman H.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  German

A.B., University of Nebraska; M.A., University of Wisconsin. Graduate study, University of Illinois, University of California at Los Angeles, and University of Southern California. Formerly Teacher, Glendale and Herbert Hoover High Schools, Glendale. Head of German Department, Bethel College; Instructor, University of Illinois, University of California at Los Angeles Summer Session, University of Southern California Summer Session, and University of Nebraska Summer Session. Glendale College since 1931.

Wolfe, Eugene  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Counselor, Hygiene

A.B., M.A., University of Southern California. Formerly Teacher, Oklahoma schools, and Glendale High School; Vice-principal, Glendale High School; Principal, Woodrow Wilson Junior High School, Glendale. Glendale College since 1939.

Woodrow, Ella M.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Art, Home Arts

Special courses at Madam Sorrell School of Design, New York, University of California, University of California at Los Angeles, and Simmons University, Abilene, Texas. Formerly Teacher, Downey Union High School and Frank Wiggins Trade School. Glendale College since 1946.

Worthy, Elmer T.  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  .  Dean of Men, Psychology

A.B., J.D., Stanford University; M.A., University of Southern California. Formerly Instructor and Debate Coach, Santa Ana High School, Santa Ana Junior College, and Glendale High School. United States Army, World War I. Glendale College since 1927.


**SCHEDULE OF CLASSES**

College courses require much study, library research, and reading in addition to regular class work. To allow ample time for study and preparation, the typical student program will not contain a full schedule of classes through the college day, nor will the program be the same every day of the college week. It is the responsibility of each student to use his free periods for study. See “Unit of Work,” page 38.

*Day and Evening Classes.* In order to provide for the large number of students which it is anticipated will desire to enroll at Glendale College, classes will be scheduled Monday through Friday during the day and on Tuesday and Thursday evenings. Although students may attend both day and evening classes it is considered desirable to enroll for a schedule of courses which is as compact as possible.

**Time Schedule of Day Classes**

*Monday through Friday*

<table>
<thead>
<tr>
<th>Period</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>8:05-9:00 A.M.</td>
</tr>
<tr>
<td>II</td>
<td>9:05-10:00 A.M.</td>
</tr>
<tr>
<td>III</td>
<td>10:05-11:00 A.M.</td>
</tr>
<tr>
<td>IV</td>
<td>11:05-12:00 M.</td>
</tr>
<tr>
<td>V</td>
<td>12:05-1:00 P.M.</td>
</tr>
<tr>
<td>VI</td>
<td>1:05-2:00 P.M.</td>
</tr>
<tr>
<td>VII</td>
<td>2:05-3:00 P.M.</td>
</tr>
<tr>
<td>VIII</td>
<td>3:05-4:00 P.M.</td>
</tr>
<tr>
<td>IX</td>
<td>4:05-5:00 P.M.</td>
</tr>
</tbody>
</table>

**Time Schedule of Evening Classes**

*Tuesday and Thursday*

<table>
<thead>
<tr>
<th>Period</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>XI</td>
<td>6:05-7:00 P.M.</td>
</tr>
<tr>
<td>XII</td>
<td>7:05-8:00 P.M.</td>
</tr>
<tr>
<td>XIII</td>
<td>8:05-9:00 P.M.</td>
</tr>
<tr>
<td>XIV</td>
<td>9:05-10:00 P.M.</td>
</tr>
</tbody>
</table>

Note: A limited number of classes in Aviation Mechanics and Machine Shop will be offered on Monday, Wednesday and Friday evenings.

**Time Schedule of Summer Classes**

The schedule for summer classes will be announced at the beginning of the session.
GENERAL INFORMATION

Location

The Glendale College, established in March, 1927, is a unit of the Glendale Unified School District, and is located at 1500 North Verdugo Road, Glendale 8, California. Glendale, a city of one hundred thousand persons, is adjacent to the city of Los Angeles in Southern California.

Buildings and Facilities

Two main buildings on the campus are occupied by class rooms, offices, and laboratories which are excellently equipped for college work. Two others house technological instruction in aviation, sheetmetal and machine manufacturing. In addition, there are two locker and shower buildings, a Student Union building and a music building. During 1946 there were added to the campus a small building which is being used as the Student Bookstore and eight surplus military housing units. Six of the temporary buildings are being used as classrooms, one is an additional locker-shower room for men, and the other an auxiliary cafeteria.

Recently the Board of Education purchased a tract of land including seventeen and one-half acres adjoining the present college site. With this new addition the campus totals forty-two and one-half acres, providing ample space for all college activities and for the erection of additional buildings. In June, 1945, the issuance of school bonds was approved by the voters of Glendale for the construction of new buildings at the college. In the near future a Music-Speech Arts-Auditorium building and a gymnasium for men will be built.

During regular session the college library is open Monday through Friday from 7:45 a.m. to 5 p.m. and on Tuesday and Thursday evenings from 6 p.m. to 9 p.m. The library contains approximately 12,500 books and bound magazines and receives regularly 205 periodicals and daily and weekly newspapers in addition to government documents and indexes to magazines and current publications.

For recreation, there are outdoor basketball, badminton, and handball courts; a football field; concrete-surfaced tennis courts; an archery range; a turf hockey field; and the Corral with its outdoor fireplace which is popular for club meetings.
Purpose

The Glendale College is organized to offer educational services designed to meet the needs of all mature citizens of the community. The following general types of educational services are provided:

Semi-professional Training for an Occupation

Two-year and one-year programs of study are offered in a number of occupational fields. Students completing such programs should be qualified to enter occupational life without additional college instruction. (See page 44 for detailed descriptions of the various curricula.)

Lower Division University Curricula

Courses are offered which are equivalent to those offered in the freshman and sophomore years at the University of California and other colleges and universities in the United States. (See page 57). A student with a satisfactory high school and junior college record will receive full credit for all work done in Glendale College provided he has met the specific requirements of the college or university to which he transfers. The University of California usually will not accept more than 70 units of junior college work for transfer.

Opportunities to Make Up High School Deficiencies

A student with a poor high school record who wishes to enter upon a program leading to advanced standing at a four-year college or university may take advantage of opportunities to make up his high school deficiencies. Such a student will often need more than four semesters in junior college to complete the Lower Division requirements. The program should be planned with the written advice of the registrar of the institution to which the student expects to transfer.

Opportunities for Cultural Study

Students wishing to pursue a program of general cultural education will find a broad schedule at Glendale College. Older as well as young citizens of the community will find offerings in English, art, music, philosophy, psychology, history, foreign language, mathematics, physical and biological science, political science, and economics. Instruction in many of these fields is available in the evening as well as during the day.
War Veteran Training

Instruction is offered to qualify war veterans for high school graduation, for entering industry, and for advanced study in a four-year college or university.

Veteran Education

War veterans are invited to avail themselves of the free guidance service and the educational training offered by Glendale College and the Veterans Guidance Center. Returned service men are helped and encouraged to secure the training necessary to realize their vocational aims. In order that this may be achieved, Glendale College cooperates with the Veterans Administration and with the California State Bureau of Vocational Rehabilitation.

Certain veterans are eligible to get free education under the G. I. Bill of Rights (Public Law 546), others to obtain free education under Vocational Rehabilitation (Public Law 16), and still others may find it advantageous to attend college under the California State Program of Vocational Rehabilitation.

All veterans should thoroughly investigate various possibilities for aid and file an application for benefits just as soon as possible after discharge. Summaries of provisions of the various laws may be obtained from the Dean of Guidance, room 101, who may also be consulted for the latest information about laws and correct procedure to follow in each case.

How to Apply

1. Under the G. I. Bill (Public Law 546)

File with the Veterans Administration an application for authorization to enroll at Glendale College under terms of the G. I. Bill. Forms are available at the Veterans Administration Office, 1041 South Broadway, Los Angeles 15.

2. Under Federal Vocational Rehabilitation (Public Law 16)

Make application directly to the Veterans Administration, 1041 South Broadway, Los Angeles 15, California. Those wishing to qualify under this program must complete all arrangements with the Veterans Administration before applying for admission to Glendale College.
3. Under California Veterans Education Institute

Make application at State Building, 217 West First Street, Los Angeles 13, California.

4. Under State Vocational Rehabilitation

Make application directly to the California State Bureau of Vocational Rehabilitation, 357 South Hill Street, Los Angeles 13, California.

Credit for Military Training

Glendale College will recognize and grant credit to veterans for educational training completed in the armed forces provided such credit is not a duplication of work taken previously. Work completed through the United States Armed Forces Institute will be accepted. In order to receive credit for military training, veterans must petition for such credit and present authentic military service and training records including copy of discharge papers.

Applicants desiring credit for military training, who have had no previous college work or whose previous college record is below "C" average, will be required to prove their capability of doing college work (by at least one semester of residence work) before credit for military service is granted. Credit earned for military training will count toward satisfying requirements for the degree of Associate in Arts. However, under no circumstances will Glendale College graduate any veteran who has not completed at least one full semester of work as a resident student.

Completion of High School Graduation

Discharged veterans who are not high school graduates may enter Glendale College and complete the necessary requirements for high school graduation. A diploma will be awarded either by the high school of previous attendance or by one of the local Glendale high schools. A three unit course completed in college is considered the equivalent of a one unit (one year) course in high school. Students may not use credit earned in Glendale College for both high school and junior college graduation.

If a veteran attended Glendale schools or is a resident of Glendale, he may receive a diploma of high school graduation upon passing the General Educational Development Tests. In addition, he must pass either courses or examinations on the
United States Constitution and in United States history. The G. E. D. tests are administered by the Glendale Evening High School, Office 140, 1440 East Broadway. For further information consult the Dean of Guidance.

Specialized Training

Aviation Education

Aviation education is considered to be essential to the national and international postwar world. Glendale College maintains a complete training program in the field of aviation. Instruction is available for those desiring to learn to fly for either military or commercial purposes, and to qualify for engine ("E") and airframe ("A") aviation mechanics licenses. Instruction may also be obtained by those desiring to work for airline industries.

Nurse’s Training

According to the National Nursing Council, the termination of the war has in no way lessened the demand for trained nurses. If anything, a combination of post-war conditions has accentuated such a demand. Glendale College offers one year and two year pre-nursing programs which completely meet the entrance requirements of hospitals and universities.

Extended Day and Evening Classes

Late afternoon and evening classes have been designed to meet the college educational needs of the youth and the adults of the community. Veterans and others desiring to work during the day, either full or part time, may find it advantageous to attend evening classes. Although a basic schedule of classes has been planned for the evenings, it is not possible to offer as broad a program as that scheduled during the day.

Summer Term

Glendale College has operated summer terms for the past five years. The sixth summer term will open June 23 and close August 1, 1947. Students enrolling for work may complete 4 to 6 units of college credit during the six weeks. Courses will be offered in fields in which there is sufficient demand. Summer term circulars may be obtained by calling Citrus 2-6861.
Office of Administration

All problems of registration, attendance, academic status, change of program, and graduation should be referred to the Main Office, room 100.

Student Health

The Glendale Unified School District maintains an examining physician who has office hours at the College one day a week, and a registered nurse who has office hours at the College two days a week. During the first month after enrollment a medical examination is given every student, and health records are filed in the Physical Education Department. If the student health record indicates a need, further examinations are given. Private consultation with the examining physician is arranged if serious defects are indicated. Upon the recommendation of the physical education instructor, clinic services for free diagnostic examination are available to any student. For the use of both students and faculty, first-aid materials are dispensed in the women's gymnasium.

Scholarships

Scholarships are available each semester for both men and women students. A student who has completed at least twelve (12) units with a "B" average is eligible for the scholarships given by the Patrons' Club. Selection is made by the faculty Scholarship Committee on the basis of academic record, student need, character, and service in the College.

This year a Zonta Club scholarship for study in the Summer Session of the University of Mexico is available to a qualified Glendale College woman student. To meet eligibility requirements one (1) must be of less than graduate status; (2) must be in attendance at Glendale College at the time of application and award; (3) must have completed a minimum of 15 units at Glendale College at the time of application, with a minimum grade point average of 1.8 (based on units for which a final grade is given); (4) must have completed at the time of application a minimum of three years of Spanish in high school or the second course in Spanish (Spanish 2) at Glendale College; (5) must be between 18 and 25 years of age. Final selection is made by the faculty Scholarship Committee on the basis of academic record, character, and service to the college.
Students desiring information about scholarships or loans should consult the Chairman of the Scholarship Committee or one of the Deans.

**Student Employment**

A student employment office is located in room 111, Office 3, where students may confer with the Placement Officer regarding part-time and full-time work.

**Student Union and Bookstore**

The Student Union consists of the bookstore and two fountain-cafeteria units. They are operated by the Associated Student Body under the supervision of separate managers and paid student assistants. Books and supplies are sold at moderate prices. Service to the student body rather than profit is the main objective.

**Student Organizations and Activities**

The Associated Students of Glendale College is the official student body organization. Numerous opportunities are provided students to participate in activities of the Associated Student Body. An extensive social program, an athletic program, a bookstore, a cafeteria and an accounting office for A.S.B. funds are sponsored by the Associated Students. In addition, the Associated Women Students and the Associated Men Students have programs of activities.

*Activity Period*

No classes are scheduled Tuesday and Thursday at 11:00 o'clock. This hour is reserved for club meetings and for student assemblies.

*Clubs*

Opportunity to render service to Glendale College or to pursue a special interest is provided through participation in one of the twenty different campus clubs.

*Athletic Program*

A complete program of athletics is sponsored by Glendale College, as a member of the Metropolitan Conference, competitive athletics is carried out in all sports for men. The Women's Athletic Association and the Physical Education Depart-
ment for Women sponsor a complete program of sports and athletic activities for women.

_Honor Societies_

The following honor societies function at Glendale College: Alpha Gamma Sigma — State Scholarship Society; Beta Phi Gamma — National Inter-Collegiate Journalism Fraternity; Phi Theta Kappa — National Scholarship Society; Epsilon Omega — Women's Honorary Service Club; Sigma Xi Sigma — Honorary Physics and Chemistry Club.
ADMISSION AND REGISTRATION

Entrance Requirements

Eligibility

Any high school graduate or any graduate of an equivalent secondary school may be admitted to Glendale College. Other individuals over 18 years of age, may be admitted upon the recommendation of the Director of the College.

Application

Each applicant must file an application blank for admission to Glendale College. All applications for admission should be sent to the Director, Glendale College, Glendale 8, California, from whom registration blanks and information may be obtained.

Transcripts

Each applicant must file a certified transcript of his high school record with Glendale College. Applicants who have attended another college or university must, in addition, file transcripts showing all previously completed work. Glendale College reserves the right to evaluate work completed in other colleges. Transfers with acceptable grades will be granted advanced standing in so far as the work completed corresponds with that of Glendale College, or the lower division work offered in the University of California.

Failure to file such transcripts may delay or prevent admission. Transcripts should be sent directly from the high school or college to Glendale College.

Residence Requirements

The Glendale Junior College District is composed of Glendale, Montrose, La Crescenta, and Highway Highlands.

At the time of registration each student is required to file a "Statement of Residence."

Legal regulations concerning residence of junior college students make necessary the following rules:

(a) A student living in the Glendale Junior College District may attend Glendale College provided his legal residence is in the district. The legal residence of a student under 21 is with his father, or legal guardian. The legal residence of the father
or guardian, is in the school district in which he is qualified to vote. The father is the legal guardian except when deceased, or made exempt by action of a court of law.

(b) A student whose residence is outside the Glendale Junior College District and not in another Junior College District may attend Glendale College.

(c) A student whose residence is outside the Glendale Junior College District and in another Junior College District may attend Glendale College if he presents a transfer permit from the district of residence. Applicants from a district which maintains a Junior College cannot be admitted unless a transfer permit has been granted.

A student who is attending Glendale College on a transfer permit should carry a full program so that he will graduate in two years, because transfer permits are usually not renewed after a two-year period.

(d) An out-of-state student may be admitted to the Glendale College provided his application is accepted by the Administration.

(e) All out-of-district students who enroll under Public Law 346 do not need permits.

Registration

Formal registration takes place during the month prior to the beginning of each semester. All students are expected to register during regularly scheduled registration days. Only a limited number of classes are open to late entrants.

Schedule of Classes

A Schedule of Classes is printed each semester indicating the courses to be offered, the time schedule, the room schedule, and a detailed statement of directions and instructions for registration. This may be obtained from the Office of the Dean of Guidance prior to registration.

Costs

No tuition fee is charged at Glendale College. However, a student will be held responsible for any loss or breakage of college equipment or furniture.
The executive board of the Associated Student Body has agreed upon dues of $6.20 per semester. At registration time students will also have the expense of purchasing textbooks and other incidentals. According to the constitution of the Associated Student Body no refund on dues is payable after the sixth week of the college year.

The revenue derived from the Associated Student Body dues supports a variety of necessary college activities, including assemblies, athletics, dramatics, music, publications, radio production, and the social activities of the college.

Guidance and Counseling

Glendale College, under the supervision of the Dean of Guidance, maintains the following services: (1) educational counseling; (2) vocational guidance; (3) employment placement; (4) testing; and (5) the Veterans Guidance Center.

Counselors

Prior to registration, each student is assigned a faculty counselor to advise him in choosing a program that will suit his needs. Counseling examinations supplement the high school record in determining a student's interests and ability. Aided by the information derived from these tests and by the high school record, the counselor will assist the student in selecting a program, and will thereafter be available for conferences on courses, activities, and problems that may arise in connection with college life. Students are urged to consult their counselors at the earliest possible date.

Counseling Examinations

All students are required to take pre-registration examinations. An English Placement examination is given to determine the student's ability to read, write and comprehend English. On the basis of the results of this examination the counselor recommends the courses in English to be taken. A Psychological Examination is given to test the student's ability in various types of work. A Vocational Interest Test and a Personality Test are given in order to help the student understand himself. The results of the tests are useful aids in registration.

In addition to the pre-registration examinations, the counseling staff has available a number of tests that students may take. Among them are the O'Connor Finger Dexterity Test, the Minnesota Clerical Ability Test, the Iowa Test for Reading Ability, the Otis Intelligence Scale, the Bell Personality Adjust-
ment Inventory, the Meier Art Judgment Test, and the Minnesota Mechanical Ability Test.

Veterans Guidance Center

Glendale College, in cooperation with the Veterans Administration, maintains at 120 North Howard Street, a Guidance Center for veterans under Public Law 346 and Public Law 16. The Center, under the immediate administration of a staff of vocational appraisers, psychometrists, and others is maintained to assist veterans in clarifying educational, vocational, and personal objectives. Veterans are urged to make use of the services of the Guidance Center. Those interested should consult their counselors or the training officer at the college.

Eligibility for Courses

A student may enroll in any course offered at Glendale College provided he has fulfilled the stated prerequisites for the course. A student should realize, however, that the prerequisites for some courses cannot be stated in terms of specific subjects previously studied. In the case of many courses which have no stated prerequisites, the actual prerequisites may consist of previous successful experience with related subjects, the ability to read with speed and understanding, and the ability to express one’s self in clear and concise English. These factors are considered by counselors when assisting a student with his program.

A student with a poor scholastic record in any subject field should not expect to carry advanced work in that field unless he can convince his counselor of his present ability to do such advanced work.

Transfers to the University of California

The University of California admits students to freshman standing under the University of California Admissions Plan by certificate*, by reason of superior scholarship, and by examination (see University of California Catalog).

*Completion of the following subjects in grades 9 to 12. (The student must have a “B” average in the subjects completed in grades 10 to 12.)

(a) History ........................................ 1 unit
(b) English ...................................... 3 units
(c) Mathematics (elementary algebra and plane geometry) .... 2 units
(d) Science (a third or fourth year subject with laboratory) .... 1 unit
(e) Foreign Language (in one language) ...................... 2 units
(f) Additional ........................................ 1 unit

Chemistry or Physics or
Advanced Mathematics or
Foreign Language (if in a language other than that offered under (e), 2 units will be required)
A student who has qualified for admission to the University of California as a freshman may enter Glendale College and transfer to the University of California at the end of any term provided he has maintained a "C" average in all junior college work acceptable for advanced standing.

A student who has not qualified for admission to the University of California as a freshman may enter Glendale College and transfer to the University of California after he has met the requirements for making up high school deficiencies**, as stated by the University of California:

"by courses in junior colleges . . . completed with satisfactory grades and in proper amount. In addition, all requirements for admission to the University in advanced standing must be satisfied. The high school record of an applicant for admission with advanced standing from another collegiate institution will be considered on the same basis as the high school record of a student applying for admission to freshman standing in the University, provided his college record is satisfactory. Students who make up deficiencies in this way must continue in junior college . . . long enough to make up entrance deficiencies and in addition, complete at least 15 units with a "C" plus average (1.5), or remain until completing 60 units with a "C" average (1.0) . . . ."

Transfers to Other Colleges and Universities

A student may take a program at Glendale College which will qualify him for junior standing in most of the four-year colleges and universities of the United States. The requirements of colleges and universities vary so greatly that it is not possible to prescribe a program of work which will apply to all of them. Two procedures are recommended:

**A subject deficiency under the University of California Admissions Plan results from a student's not having completed, with a grade of at least "C," all the high school subjects listed under (a) to (f). See Footnote for Admission by Certificate.

A grade deficiency results from a student's failure to make an "A" or "B" in subjects listed under (a) to (f). However, grades of "A" can be used to offset grades of "C"; therefore, if a student has a "B" average in subjects listed under (a) to (f), he will not have any grade deficiencies.
1. A student should consult the catalog of the college or university to which he intends to transfer. He should choose his courses at Glendale College in accordance with the lower division requirements of the college or university of his choice as outlined in its catalog.

2. In addition, it is advisable for him to submit his high school transcript plus his proposed junior college program to the registrar of the chosen college or university for tentative approval.

Catalogs of schools, colleges, and universities are available in the Counseling office, the college library and the main office. They may also be obtained from the registrar of the college or university in which the student is interested.
REGULATIONS

GRADES AND SCHOLARSHIP

Unit of Work

College work is measured in terms of the “unit.” One hour of class work a week for one semester is considered one “unit of work.”* In the Courses and Their Content, pages 81 to 119 in this catalog, the number of units of credit offered for each course may be found. Each unit of class work requires approximately two hours of preparation. A student carrying a normal college program of 16 units would be expected to attend class a minimum of 16 hours, and study in preparation for class approximately 32 hours, making 48 hours of work, a college week.

Unit Limitations

The normal program for a student at Glendale College is 16 units.

A student is required to carry at least 12 units unless he is employed. Working includes any regular time-consuming responsibility, whether remunerative or not. A student who is working half time (20 hours a week) should not register in more than 10 units. A student who is working full time (40 hours a week) should not register in more than 7 units.

No student will be permitted to carry more than 18 units without the permission of the Administration Committee. Such permission must be requested in writing at the time of registration. The University of California will not accept more than 16½ units (including physical education) a semester unless the student has achieved a “B” average in a program the preceding semester.

Scholarship Standards

Glendale College interprets a “C” average as a satisfactory scholarship standard—which means that the student should receive grade points equal to the number of units attempted.

Students who fail to maintain satisfactory scholarship may be placed on probation and may be subject to dismissal.

*In some laboratory and physical education courses more hours may be required for one unit of credit.
1. *Probation.* A student will be placed on probation if his total accumulated record is six grade points or more below a "C" average.

A student on probation will be limited in his study program by his counselor. In no case will such a student be allowed to carry more than 15 units excluding physical education.

2. *Dismissal.* A student will be subject to dismissal:

a. If after one semester on probation his accumulated record shows him to be 15 grade points or more below a "C" average.

b. If he has been on probation for two consecutive semesters or terms unless he achieved a "C" average or better during his last semester of attendance.

If good cause exists for making an exception to the above rules, the student should petition the Administration Committee.

**Grades**

The standing of students in each course will be determined by class work and examinations. Grades will be reported in the following manner:

A—Excellent
B—Good, above average, very satisfactory
C—Average
D— Barely passing
E—Incomplete or condition
F—Failure
W—Withdrawn

An incomplete grade (E) will be given only when an unforeseen emergency prevents a student from completing his work in a course. The incomplete grade must be removed within six weeks after the beginning of the semester subsequent to the one in which the "E" was made. If not removed, the incomplete grade automatically becomes a grade of "F." Before an instructor may give a student an incomplete grade rather than an "F" at the end of a semester, he must make arrangements with the office. Except in the case of an "E," instructors will not be permitted to change a grade once it has been accepted by the office.
The grade of "F" in any course denotes failure, and the course must be repeated if the student desires credit. An "F" cannot be removed by examination.

A student who has received a grade of "D" or "F" may repeat the course and receive the grade points earned upon repetition.

When a student withdraws from college before the end of a semester by due process of application and notification to the office, he will receive a grade of "W" in each course in which he is passing at the time of withdrawal. In any course that he is failing he will receive a grade of "F."

Grade Points

To determine student standing and fitness for graduation, grades are evaluated numerically as follows:

Each unit completed with the grade of "A"—3 grade points.
Each unit completed with the grade of "B"—2 grade points.
Each unit completed with the grade of "C"—1 grade point.
Each unit completed with the grade of "D"—0 grade points.
Each unit completed with the grade of "F"—0 grade points.

For example: a three unit course completed with a grade of "A" earns 9 grade points; with a grade of "B" earns 6 grade points; with a grade of "C" earns 3 grade points; with a grade of "D" or "F" earns no grade points.

Attendance

A college student is expected to attend all sessions of the classes in which he is enrolled. Irregular attendance may result in exclusion from classes. Although there is no penalty for absence when it is due to the illness of a student, the serious illness or death of a member of a student's family, or a student's being authorized to represent the college, all work missed must be satisfactorily made up.

Temporary Leave of Absence

Students who find it necessary to be absent from college for a short period of time should petition for a temporary leave of absence in advance (if possible) of leaving. Suitable forms may be obtained from the Main Office, room 100.
Withdrawal From College

A student who wishes to withdraw from college before the end of a semester may obtain an honorable dismissal by making an application to his counselor or the office of the Dean of Guidance. When the office accepts the application, the student will receive a “W” (Withdrawn) in each course in which he is passing at the time. In any subject in which the student is failing at the time of withdrawal, he will be given a grade of “F.” Students will receive “W” in all courses, if withdrawal is made prior to the deadline for dropping classes without “F” penalty. (See calendar page 10). Formal withdrawal from college will facilitate future admission to other educational institutions or re-admission to Glendale College.

Physical Education

Each student is required to enroll in physical education unless he has (1) attained the age of 25 years; (2) is carrying an initial load of seven units or less; (3) has a medical excuse on file, (in this case the physical education department may develop a program of modified activities); or (4) is a junior college graduate.

Examinations

Final examinations are required in all courses except Physical Education. No student shall be excused from taking a final examination. No examination exceeds three hours. Before the end of each semester a schedule of final examinations will be announced.

Re-examinations are not given except as a means of removing an incomplete or conditional grade “E.” See page 39.

Clearance of Obligations

All obligations to the college must be met before an honorable dismissal will be granted.

Transcripts to Other Colleges

Upon the request of a student, a transcript of the student’s record at Glendale College will be sent to any college or university.
Transfer rules vary with each institution, and for specific information on the requirements for transfer, the student should refer to the catalog of the college or university that he expects to enter.

Catalogs of schools, colleges, and universities are available in the counseling office, in the college library, and in the main office, or can be obtained from the registrar of the college or university in which the student is interested.
GRADUATION REQUIREMENTS

Glendale College grants the degree of Associate in Arts. The rules of the State Board of Education provide that the governing board of any junior college district shall confer the degree of Associate in Arts upon any student who shall complete satisfactorily a two-year junior college curriculum of 60 units, including the following:

1. Two units in the Constitution of the United States, including the study of American Institutions and Ideals. Courses satisfying this requirement are: History 17-18* (6 units); Political Science 1 (3 units); Political Science 5 (2 units); Social Science 31-32* (8 units).

2. Two units in American History. Courses which may be completed in Glendale College to satisfy this requirement include History 3-4 (6 units); History 5 (2 units); History 47-18* (6 units); Social Science 31-32* (8 units).

3. Six units in oral and written English. Courses which may be complete in Glendale College to satisfy this requirement include: English 1, 2, 8, 10, 13, 14, 16, 18, 41, 42; Commerce 15, 16; and Speech 3.

4. A major consisting of at least 20 units in a specified field of study.

5. A program of health and physical education as follows:
   a. Two units in hygiene.
   b. Passing grades in four semesters of physical education. (See page 41).

6. At least 15 units of residence work must be completed.

7. A “C” average must be earned in all collegiate work completed or at least a “C” average must be earned in 60 or more units in Glendale College.

*This course satisfies both requirements 1 and 2.
Semi-professional Curricula
For Students Planning to Complete Training
at Glendale College

Glendale College offers the following two-year or one-year curricula to students planning to enter occupational or home life directly upon finishing junior college. Although the completion of the various courses included in the two-year programs will, in certain instances, permit one to transfer to other collegiate institutions and receive some credit, they are not specifically designed for this end. The semi-professional curricula are: Advertising Art; Aircraft Service and Maintenance; Airlines Industry; Animation; Apparel Design; Architectural Drafting; Bookkeeping (one-year curriculum); Clerical Work; Electrical Technician; Finance and Accounting; Flight Training; Home Arts; Laboratory Technician (one-year curriculum); Machine and Tool Manufacturing; Merchandising; Music; Photography; Police Officer Training; Secretarial Work; Sheetmetal Manufacturing; and Speech and Radio Production.

Students majoring in one of the two-year curricula and planning to graduate with an Associate in Arts degree must comply with the graduation requirements on page 43 of this catalog.

1 Advertising Art

Training in art may lead to many types of employment. Positions available and opportunities for advancement will largely be determined by the background of training and ability of the applicant. The curriculum listed below is designed to prepare the student in a period of two years to be qualified for employment in the commercial field of advertising art. Those majoring in this field will find it advantageous to know how to type. Students transferring to professional art schools for advanced training will receive credit for courses taken at Glendale College.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 1-2</td>
<td>Art 7-8</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Art 3-4</td>
<td>Art 11-12</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Art 5-6</td>
<td>Art 37-38</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Art 54</td>
<td>Engineering</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Art 35-36</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Biology 1</td>
<td>Anatomy 31</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>English</td>
<td>History 5-</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Hygiene I</td>
<td>Political Science 5</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>1½</td>
<td>1½</td>
</tr>
</tbody>
</table>

Total 16½ 16½

Total 15½ 15½
2 Aircraft Service and Maintenance

Two training programs are offered in this field, one designed to meet the requirements of the Civil Aeronautics Administration "E" license (Airplane Engine Overhaul) and the other to meet the requirements of the Civil Aeronautics Administration "A" license (Airplane Servicing). Both "A" and "E" licenses may be obtained in the course of two years.

Although there are no required prerequisites, students having a high school background including courses in mathematics, physics, mechanical drawing and machine shop will be better qualified to meet the high standards set by the C.A.A. Machine Shop is definitely recommended as necessary for work in Airplane Engines.

In addition to passing required examinations, applicants for an Aircraft Mechanic rating must comply with the following requirements: 18 years of age or over; good moral character; complete and thorough knowledge of either aircraft engine or airframes; at least one year of practical experience or equivalent practical training in chosen field of work; familiarity with current provisions of the pertinent Civil Air Regulations. It is recommended that all applicants hold at least a private flight license.

Leading to C.A.A. Engine ("E") License.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Aviation 1</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 21-22*</td>
<td>8</td>
<td>Aviation 10</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td>2</td>
<td>Aviation 23</td>
<td>8</td>
</tr>
<tr>
<td>Physics 33</td>
<td>..</td>
<td>Social Science 31-32</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 43**</td>
<td>3</td>
<td>Commerce 45</td>
<td>..</td>
</tr>
<tr>
<td>Engineering 3</td>
<td>..</td>
<td>Commerce 47-48</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Commerce 49</td>
<td>3</td>
</tr>
<tr>
<td>z</td>
<td></td>
<td>Electives</td>
<td>..</td>
</tr>
<tr>
<td>Total</td>
<td>16 1/2</td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td></td>
<td>15 1/2</td>
<td></td>
<td>1/2</td>
</tr>
</tbody>
</table>

*Machine Shop or equivalent is required for Aviation 21.
**To be taken by students lacking fundamental background in mathematics.

Leading to C.A.A. Airframe ("A") license.

The two-year program leading to the C.A.A. Airframe license is the same as the course outlined above as leading to the "E" license, except that Aviation 25-26-27 are substituted for Aviation 21-22-23.

3 Airlines Industry

Two types of training are offered in this field:

1. *Airl ine Administration* for those who wish to become Reserva-
tion Clerks and Junior Passenger Agents for the airlines.

2. *Airline Hostess* for those who wish to become air hostesses.
   The airlines all differ in specific requirements, but the follow-
ing are typical: age 21-26 years; weight 100-125 pounds; height 62-66 inches; vision 20-40 or better; two years of college. Applicants must be neat in appearance, interested in people and their travel problems, acceptable personally and physically. Because of age limitations it is suggested that individuals interested start as clerks in one of the airlines and progress into air hostess work.

There are no definite prerequisites but it is suggested that a general cultural education be pursued in high school with emphasis upon geography, history, language, social arts and commerce.

College work should continue along the same lines with emphasis on psychology, life science, etc. It is definitely recommended that anyone interested obtain at least his private flight license. (Aviation 10 and 1.)

**Airlines Administration**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Social Science 31-32</td>
<td>4</td>
</tr>
<tr>
<td>Aviation 10</td>
<td>3</td>
<td>Psychology 1-5</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 1-2</td>
<td>3</td>
<td>Geography 31</td>
<td>3</td>
</tr>
<tr>
<td>Commerce 21-22 or 5A-5B</td>
<td>4</td>
<td>Commera 49-91</td>
<td>3</td>
</tr>
<tr>
<td>Commerce 1A-1B</td>
<td>3</td>
<td>Speech 1 or 3</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 29</td>
<td></td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16½</td>
<td></td>
<td>15½</td>
</tr>
</tbody>
</table>

**Airlines Hostess**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Social Science 31-32</td>
<td>4</td>
</tr>
<tr>
<td>Aviation 10</td>
<td>3</td>
<td>Psychology 1-5</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 1-2</td>
<td>3</td>
<td>Commerce 49</td>
<td>3</td>
</tr>
<tr>
<td>Geography 31</td>
<td>3</td>
<td>Hygiene 1-10</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 31-1A</td>
<td>3</td>
<td>Commerce 21-22 or 5A-5B</td>
<td>4</td>
</tr>
<tr>
<td>Physiology 31</td>
<td>4</td>
<td>Speech 1 or 3</td>
<td>2</td>
</tr>
<tr>
<td>Home Arts 21</td>
<td>3</td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td></td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>15½</td>
<td></td>
<td>16½</td>
</tr>
</tbody>
</table>

**Total 16½-16½ 15½**

4 **Animation**

In animation there are three fields for which the student may prepare: Animator, Inker, and Colorist. While primarily intended for the Animator, this curriculum will prepare for apprenticeship in any of the three.
### First Year Units | Second Year Units
---|---
Art 3-4 | 2 | Physiology 31 | 4
Art 5-6 | 2 | Art 9-10 | 2 | 2
Art 7-8 | 2 | Art 45-46 | 2 | 2
Art 34 | 1 | Art 25-Art 21 | 2 | 2
Art 11-12 | 2 | Art 27-28 | 2 | 2
English 13-14 | 2 | Art 35-36 | 2 | 2
Zoology 1-2 | 4 | English 8 | 2
Electives | 1 | History 5-Political Science 5 | 2 | 2
Physical Education | 1/2 | Hygiene 1 | 2
                               |     | Physical Education | 1/2 | 1/2
**Total** | 15 1/2 | **Total** | 16 1/2

### 5 Apparel Design

A curriculum designed to train persons for employment in the clothing industry as pattern designers, drafters, layout workers, markers, sample makers, inspectors, drapers, fitters and cutters. Ample opportunity exists for students majoring in this field to obtain through a wise selection of electives a broad and liberal education.

#### First Year Units | Second Year Units
---|---
Home Arts 17-18 | 6 | Home Arts 19-20 | 6 | 6
Related Subjects* and Electives | 2 | Related Subjects* and Electives | 7 | 9
English | 3 | Hygiene 1 | 2
Social Science 31-32 | 4 | Physical Education | 1/2 | 1/2
Physical Education | 1/2 | **Total** | 15 1/2 | 15 1/2

*Related subjects include courses in Art and Home Arts.

### 6 Architectural Drafting

#### First Year Units | Second Year Units
---|---
English | 3 | Hygiene 1 | 2
History 5 | 2 | Architecture 11-12 | 5 | 5
Political Science 5 | 2 | Architecture 17-18 | 3 | 3
Architecture 3 | 2 | Art 11 | 2
Art 45 | 2 | Architecture 23 | 2
Art 3-4 | 2 | Engineering 8 | 3
Architecture 9-10 | 5 | Elective | 5
Art 5-6 | 2 | Physical Education | 1/2 | 1/2
Physical Education | 1/2 | **Total** | 15 1/2 | 15 1/2
7 Bookkeeping (One-year curriculum)

A one-year course in bookkeeping which provides training for employment as bookkeeper, stock control clerk, record keeper, timekeeper, machine calculator operator, and general clerical work. Those wishing to obtain a more thorough training in this field may find it advantageous to pursue the two-year curriculum in Finance and Accounting.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Units</th>
<th>Second Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce 1A</td>
<td>3</td>
<td>Commerce 1B</td>
<td>3</td>
</tr>
<tr>
<td>Commerce 5A</td>
<td>4</td>
<td>Commerce 5B</td>
<td>4</td>
</tr>
<tr>
<td>Commerce 21</td>
<td>4</td>
<td>Commerce 15</td>
<td>3</td>
</tr>
<tr>
<td>Commerce 29</td>
<td>2</td>
<td>Commerce 22</td>
<td>4</td>
</tr>
<tr>
<td>Electives *</td>
<td>3</td>
<td>Electives *</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16½</strong></td>
<td><strong>Total</strong></td>
<td><strong>16½</strong></td>
</tr>
</tbody>
</table>


8 Clerical Work

Clerical positions in commercial, industrial, and financial companies, and in governmental and other institutional organizations require as basic training skill in typing, ability to use office machines, and a command of English. Knowledge of bookkeeping methods will often improve a worker’s opportunity to obtain a desired position.

The clerical curriculum prepares the student for general office work or positions as receptionist, file clerk, mail clerk, payroll clerk, switchboard operator, or office machine operator. A student majoring in this field will obtain most from his two years at Glendale College if he plans his program with a definite field of interest.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce 1A-1B</td>
<td>3</td>
<td>Commerce 1C-1D</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 5A-5B</td>
<td>4</td>
<td>Commerce 5C-5D</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 15-16</td>
<td>3</td>
<td>Commerce 21-22</td>
<td>4</td>
</tr>
<tr>
<td>Commerce 29</td>
<td>2</td>
<td>Law 31</td>
<td>3</td>
</tr>
<tr>
<td>Social Science 31-32</td>
<td>4</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td>Electives</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16½</strong></td>
<td><strong>Total</strong></td>
<td><strong>15½</strong></td>
</tr>
</tbody>
</table>

Recommended electives:
- Commercial: Merchandising, Salesmanship, Geography;
9 Electrical Technician

A two year semi-professional engineering curriculum designed to train people for employment in the fields of electronics, public utilities, communication, aircraft, television, radio and related industries. High school students in preparing for this training should complete algebra, geometry, trigonometry and physics or chemistry. Mechanical drawing also is desirable.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Commerce 47-48</td>
<td>2</td>
</tr>
<tr>
<td>Engineering 5</td>
<td>1</td>
<td>Technology 26</td>
<td>2</td>
</tr>
<tr>
<td>Physics 5-6</td>
<td>4</td>
<td>Physics 31-32</td>
<td>4</td>
</tr>
<tr>
<td>Physics 29-30</td>
<td>4</td>
<td>Social Science 31-32</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 43-44</td>
<td>3</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td>Physics 47-48</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td>Total</td>
<td>16 1/2</td>
<td>Total</td>
<td>16 1/2</td>
</tr>
</tbody>
</table>

10 Finance and Accounting

The finance and accounting curriculum provides training for employment in banks, in accounting departments of business firms, and as junior accountant in the public accounting field. This curriculum is offered for students who have a definite interest in this type of office work, and who are willing to make the intensive study necessary in a two-year preparation.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce 1A-1B</td>
<td>3</td>
<td>Commerce 5A-5B</td>
<td>4</td>
</tr>
<tr>
<td>Commerce 15-16</td>
<td>3</td>
<td>Commerce 27-28</td>
<td>3</td>
</tr>
<tr>
<td>Commerce 21-22 or Economics 14-15</td>
<td>4</td>
<td>Commerce 41-42</td>
<td>2</td>
</tr>
<tr>
<td>Geography 1-2</td>
<td>3</td>
<td>Law 18-19</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td>2</td>
<td>History 5 - Political</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>1</td>
<td>Electives</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td>Total</td>
<td>16 1/2</td>
<td>Total</td>
<td>15 1/2</td>
</tr>
</tbody>
</table>

11 Flight Training

Three types of training are offered in this field:

1. Preliminary training for those who wish to complete two years of college and who wish to enter either the Army or Navy for pilot training. (Both services require two years college for entrance.)

2. Commercial pilot training for those who have flight time and wish to obtain instructor and instrument ratings for work with the Air Lines; those beginners who wish to enter commercial flying.
3. Private pilot training for those who wish to fly for personal pleasure or enter some field of aviation other than as fliers. It is recommended that all those training as mechanics take this course.

Although there are no required prerequisites, students who wish to enter pre-military or commercial flying should take the following courses in high school: mathematics, physics, mechanical drawing and such subjects as best fit them for college entrance.

In addition to passing required examinations, applicants for pre-military training must meet physical and mental standards set by the Army and Navy. Commercial pilots must pass flight and ground examinations given by the Civil Aeronautics Administration, must be 18 years of age and have 200 flight hours. (160-165 flight hours on Glendale College's approved program.)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aviation 1-2</td>
<td>3</td>
<td>Aviation 15</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 10-11</td>
<td>3</td>
<td>Aviation 3</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 12</td>
<td>2</td>
<td>Aviation 4</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 13</td>
<td>2</td>
<td>Aviation 16</td>
<td>3</td>
</tr>
<tr>
<td>Aviation 14</td>
<td>2</td>
<td>History 5</td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>3</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td>2</td>
<td>Mathematics 2</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 1</td>
<td>3</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td>Commerce 47-48</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1½</td>
<td>Commerce 49</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>1½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16½</td>
<td><strong>Total</strong></td>
<td>17½</td>
</tr>
</tbody>
</table>

12 Home Arts

Training in home management, creative design in the home, skills useful in the home, and problems of courtship and marriage. The one-year program is intensive. The two-year program offers opportunities for electives of personal interest, as well as basic training in home making.

<table>
<thead>
<tr>
<th>One-year Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
</tr>
<tr>
<td>Home Arts 11</td>
</tr>
<tr>
<td>Home Arts 21</td>
</tr>
<tr>
<td>Home Arts 32</td>
</tr>
<tr>
<td>Art 3</td>
</tr>
<tr>
<td>Art 25</td>
</tr>
<tr>
<td>Hygiene 1</td>
</tr>
<tr>
<td>Electives</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

Recommended electives: English 1 or 41, Speech 1, Drama, Psychology, Political Science 5, Typing, Music, History 7-8.
### Two-year Course

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Arts 1</td>
<td>2</td>
<td>Home Arts 25</td>
<td>2</td>
</tr>
<tr>
<td>Home Arts 11-12</td>
<td>3 3</td>
<td>Home Arts 32-33</td>
<td>3 2</td>
</tr>
<tr>
<td>Home Arts 21-22</td>
<td>3 3</td>
<td>Home Arts 64</td>
<td>... 2</td>
</tr>
<tr>
<td>Home Arts 3</td>
<td>... 2</td>
<td>Home Arts 65</td>
<td>... 2</td>
</tr>
<tr>
<td>Art 3-4</td>
<td>2 2</td>
<td>Hygiene 1</td>
<td>2 ...</td>
</tr>
</tbody>
</table>
| Commerce 37 | 2     | Home Arts 2 | 2 ...
| Commerce 45 | ... 2 | History 5- | 2 ...
| English 1-2 or  | 3 3 | Political Science 5 | 2 2 |
| English 41 | 3 3 | Psychology 1 | ... 3 |
| Electives | 1 1   | Electives 5 | 3 ... |
| Physical Education | ... 1/2 1/2 | Physical Education 1/2 1/2 | |

Total 16 1/2 16 1/2

Total 16 1/2 16 1/2

Recommended electives: Art 21, Psychology, English, Typing, Music, Art, Biology, Sociology, Philosophy, History 7-8.

### 13 Laboratory Technicians (One-year curriculum)

Laboratory technicians for which this training is designed are of three classes.

1. **Clinical Laboratory Technicians** do analyses of blood, urine, etc. They are under the jurisdiction of the State Board of Health, Division of Laboratories, Berkeley, California.

2. **X-ray Technicians** come under the jurisdiction of the American Society of Radiologists. This society approves the certificates required for practice in Class A hospitals. There is, however, no state license required. Students planning to enter this field should substitute Zoology for Chemistry 45-46.

3. **Physical Therapy Technicians.** Although no state license is required, a certificate is necessary to practice.

The following curriculum is planned so that it is possible for the student to branch out into any of the above three fields. After completing one year of training at Glendale College, it will be necessary for the student to establish contact with one or more hospitals or laboratories for essential clinical training.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Units</th>
<th>Second Semester</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 31</td>
<td>4</td>
<td>Bacteriology 31</td>
<td>4</td>
</tr>
<tr>
<td>Physiology 31</td>
<td>4</td>
<td>Chemistry 41 (Medical)</td>
<td>5</td>
</tr>
<tr>
<td>Physics 5 (Medical)*</td>
<td>4 4</td>
<td>Physics 6 (Medical)*</td>
<td>4 4</td>
</tr>
<tr>
<td>Chemistry 45</td>
<td>3</td>
<td>Chemistry 46</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>... 1/2</td>
<td>Physical Education 1/2</td>
<td>... 1/2</td>
</tr>
</tbody>
</table>

Total 15 1/2

Total 16 1/2

This course presupposes high school preparation which includes English, Plane Geometry, Trigonometry, Chemistry. (Students lacking this background may find it advantageous to spend two years at Glendale College).

*In special instances Physics 10 may be substituted for Physics 5-6.
14 Machine and Tool Manufacturing

Two-year curriculum designed to prepare for positions in industry. This training should prove particularly beneficial in such occupations as machinist, tool and die maker, tool designer, production planner, tool planner, draftsman, and other manufacturing engineering positions. Completion will satisfy pre-apprenticeship requirements.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Social Science 31-32</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 43-44</td>
<td>3</td>
<td>Hygiene 1</td>
<td></td>
</tr>
<tr>
<td>Technology 1-2</td>
<td>6</td>
<td>Technology 3-4</td>
<td>6</td>
</tr>
<tr>
<td>Engineering 1-3</td>
<td>3</td>
<td>Technology 26-</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Engineering 2</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Commerce 47-48</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15½</td>
<td>Total</td>
<td>16½</td>
</tr>
</tbody>
</table>

15 Merchandising

Merchandising curriculum designed to assist students interested in preparing for careers in the distributive industries, including retail and wholesale selling, retail store management, advertising and warehousing.

The two-year program particularly emphasizes training preparatory for employment in retail selling and retail store management, although broad fundamental business and related courses are included. During the second year of training, actual on-the-job selling is possible under the supervision of the Co-ordinator of Merchandising. Co-operation by local business houses will permit four to six hours of selling experience per week for each student.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce 1A</td>
<td>3</td>
<td>Commerce 31-32</td>
<td>3</td>
</tr>
<tr>
<td>Commerce 15-16</td>
<td>3</td>
<td>Commerce 33-34</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 21-22 or Economics 14-15</td>
<td>4</td>
<td>Commerce 35-36</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Commerce 37-38</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 29</td>
<td>2</td>
<td>Psychology 1-5</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 1 - Law 31</td>
<td>2</td>
<td>Geography 32</td>
<td></td>
</tr>
<tr>
<td>Social Science 31-32</td>
<td>4</td>
<td>Electives*</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16½</td>
<td>Total</td>
<td>16½</td>
</tr>
</tbody>
</table>

*Recommended electives:
Speech, Art Survey, World Geography.
16 Music

Curriculum offering courses in special music fields designed to provide training necessary to develop performance and knowledge. Experience in radio and concert fields offered. Student preparing for career in music may enrich background by elective courses in foreign language, literature, art and social sciences.

**VOCAL CURRICULUM**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2</td>
<td>Music 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Music 1-2</td>
<td>3</td>
<td>Music 11-12 or 15-16</td>
<td>1</td>
</tr>
<tr>
<td>Music 5-6</td>
<td>5</td>
<td>History 5</td>
<td>-</td>
</tr>
<tr>
<td>Music 21-22</td>
<td>2</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>French or German</td>
<td>4</td>
<td>Music 25-26 or 7-8</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Speech 11-12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Art 1-2 or</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Psychology 1-5</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>English - Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

**Total 16½ 16½**

**INSTRUMENTAL CURRICULUM**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>2</td>
<td>Music 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Music 1-2</td>
<td>3</td>
<td>Music 33-34 or 43-44</td>
<td>1</td>
</tr>
<tr>
<td>Music 5-6</td>
<td>5</td>
<td>Music 25-26</td>
<td>3</td>
</tr>
<tr>
<td>Music 31-32 or 41-42</td>
<td>1</td>
<td>Music 7-8</td>
<td>2</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td>2</td>
<td>History 5</td>
<td>-</td>
</tr>
<tr>
<td>Electives*</td>
<td>3</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>English</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

**Total 16½ 16½**


17 Photography

Designed to prepare student to enter field as junior photographer in commercial studio work, or to become a photographic technician in scientific work, or news reporting. Students planning to enter commercial studio work would find it advantageous to elect courses in art; if planning to specialize in technical work, they should take courses in chemistry and physics; and, if wishing to become newspaper photographers, they would profit by courses in journalism.
First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photography 1-2</td>
<td>2</td>
<td>Photography 5-6</td>
</tr>
<tr>
<td>Photography 3-4</td>
<td>3</td>
<td>Hygiene 1</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
<td>Electives</td>
</tr>
<tr>
<td>Social Science 31-32</td>
<td>4</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
</tbody>
</table>

Total 16 1/2

18 Police Officer Training

A basic two-year college training designed for young men planning to enter the law enforcement field. The first year of training embodies general education and background courses. Those completing the prescribed two-year program and meeting the minimum physical requirements of law enforcement agencies will be given preference by the various law enforcement agencies employing new men.

Requirements: In addition to the general requirements for admission to the college, the student must possess certain basic qualifications for police service. He must have a commendable scholastic record in high school, must be able to pass a physical examination and must have the intelligence and aptitude required for success as a police officer.

Minimum Physical Qualifications: Students are not eligible to pursue this training unless at least 19 years of age, 5'8" (minimum)-6'4" (maximum) height, weight in proportion to height.

Character and Personality: Students will be required to furnish character and personality references from their local district attorney, sheriff or chief of police. Clearance of police record will be required.

Civil Service Examination: Graduates of this curriculum must take a Civil Service examination prior to appointment in the police department. While this course does not guarantee special recognition in the Civil Service examination, it will be recognized in the oral examinations and will help in grades on the written portions of the Civil Service examination.

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Sociology 1-2</td>
</tr>
<tr>
<td>Social Science 31-32</td>
<td>4</td>
<td>Speech 1-2</td>
</tr>
<tr>
<td>Biology 1 - Law 31</td>
<td>3</td>
<td>Police Science 2-5</td>
</tr>
<tr>
<td>Commerce 1A - Hygiene 1</td>
<td>3</td>
<td>Police Science 3-6</td>
</tr>
<tr>
<td>Political Science 6</td>
<td>2</td>
<td>Police Science 4</td>
</tr>
<tr>
<td>Police Science 1</td>
<td>2</td>
<td>Electives</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
</tbody>
</table>

Total 15 1/2

15 1/2-16 1/2

Psychology 1-2, Chemistry 41, Physics 10, Engineering 1.
19 Secretarial Work

Designed to train secretaries and stenographers for positions with commercial, industrial, and financial companies, and in governmental and institutional organizations. Skills in shorthand, typing and use of office machines are required. A good secretary must have command of English. Knowledge of bookkeeping methods will often improve a worker’s opportunity to obtain a desired position.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce 1A-1B</td>
<td>5</td>
<td>Commerce 1C-1D</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 3A-3B</td>
<td>5</td>
<td>Commerce 3C-3D</td>
<td>4</td>
</tr>
<tr>
<td>Commerce 15-16</td>
<td>3</td>
<td>Commerce 21-22</td>
<td>4</td>
</tr>
<tr>
<td>Commerce 5A-5B</td>
<td>4</td>
<td>Hygiene 1 - Law 31</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>1</td>
<td>History 5 -</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
</tbody>
</table>

Total 16 1/2

Recommended electives:

Commercial: Merchandising, Salesmanship, Geography.

20 Sheetmetal Manufacturing

Designed to prepare for positions in industry. This training should prove particularly beneficial in such occupations as sheet metal mechanic, operator of various types of power-operated sheet metal manufacturing equipment, jig and fixture designer, production planner, tool planner, draftsman, and other manufacturing engineering positions. Satisfies pre-apprenticeship requirements.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>History 5 -</td>
<td>2</td>
</tr>
<tr>
<td>Mathematics 43-44</td>
<td>3</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>Engineering 1-3</td>
<td>3</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Technology 5-6</td>
<td>6</td>
<td>Engineering 7</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Technology 7-8</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Commerce 47-48</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
</tbody>
</table>

Total 15 1/2

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 1/2</td>
</tr>
</tbody>
</table>

Total 16 1/2
21 Speech and Radio Production

A curriculum designed to train students in the field of public speaking, drama, oral interpretation and radio broadcasting. Those satisfactorily completing the suggested program should be qualified for employment in radio production.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3</td>
<td>Speech 25-26</td>
<td>3</td>
</tr>
<tr>
<td>Speech 1-2</td>
<td>2</td>
<td>Speech 31-32</td>
<td>2</td>
</tr>
<tr>
<td>Speech 11-12</td>
<td>3</td>
<td>Stagecraft 3-4</td>
<td>2</td>
</tr>
<tr>
<td>Stagecraft 1-2</td>
<td>2</td>
<td>Hygiene 1</td>
<td>2 ..</td>
</tr>
<tr>
<td>Electives</td>
<td>5</td>
<td>Social Science 91-32</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Electives</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Total</td>
<td>15½</td>
<td>Total</td>
<td>15½</td>
</tr>
</tbody>
</table>

Recommended electives:

Physics 10, Foreign Language (Spanish, French), Psychology 1, English 8.
SUGGESTED PROGRAM OF COURSES

For Students Planning to Transfer to Colleges and Universities

Students may graduate from the Glendale College and subsequently transfer to another college or university and pursue their studies without loss of time. In some instances it will be advantageous to make the transfer to another institution after completing only one year of junior college training. Those planning to transfer with junior standing have four requirements to fulfill: (1) Remove any existing entrance deficiencies in grades or subject matter required by senior college; (2) satisfy lower division major field requirements prescribed by senior college; (3) fulfill general lower division requirements prescribed by senior college for all students; (4) complete Glendale College requirements for graduation. Those planning to make up the transfer prior to graduation need to complete only the first requirement listed above and to have made satisfactory progress on the other three.

The following suggested outlines of curricula are based on the premise that students have completed the usual pattern of high school subjects (with "B" average) required for university admission: English, 3 units; algebra, 1 unit; geometry, 1 unit; history, 1 unit; foreign language, 2 units in one language; laboratory science, 1 unit; and additional 1 unit in advanced mathematics, science, or language. Students entering Glendale College with deficiencies in any of these subjects must enroll for a program of studies taking into consideration such shortages.

For the most part, the suggested programs of courses are based upon the requirements and recommendations of the University of California. Students planning to transfer to other institutions of higher learning should study carefully the lower division requirements of those institutions.

1 AERONAUTICAL ENGINEERING (University of Southern California, College of Aeronautics, Santa Maria)

The degree of Bachelor of Engineering is awarded by the University of Southern California for the satisfactory completion of eight semesters of specified courses in aeronautical engineering. Although two full years of the specified curriculum may be completed at Glendale College, the broad scope of training may require more than two additional years upon transfer to the University of Southern California.
### First Year

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Physics 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 3-4</td>
<td>3</td>
<td>Mathematics 5-6</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>History 7-8</td>
<td>3</td>
</tr>
<tr>
<td>Physics 1-2</td>
<td>3</td>
<td>History 5-7</td>
<td>3</td>
</tr>
<tr>
<td>Engineering 1-3</td>
<td>3</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Psychology 1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Law 18</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

Total 17½ 16½

### Second Year

Total 17½ 16½

2 **Agriculture (University of California, College of Agriculture, Berkeley and Davis)**

Students wishing to graduate from Glendale College with an Associate in Arts degree must in addition to the suggested programs listed below, complete six units of English and Hygiene 1. Students planning to major in agriculture may specialize in any one of nine curricula: animal science, plant science, entomology and parasitology, agricultural economics, forestry, soil science, landscape design, agricultural education, and home economics. Training in these fields is highly specialized and scientific and if completed leads to a Bachelor of Science degree.

**ANIMAL SCIENCE**

(Animal Husbandry, Poultry Husbandry, Dairy Industry)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Zoology 1-2</td>
<td>4</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Physics 5-6</td>
<td>4</td>
<td>Botany 1</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 1-2</td>
<td>3</td>
<td>Bacteriology 31</td>
<td>4</td>
</tr>
<tr>
<td>(if needed)</td>
<td></td>
<td>Geology 1</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>History 5-7</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

Total 16½ 16½

**PLANT SCIENCE**

(Agronomy, Fruit Products, Irrigation, Genetics, Plant Pathology, Pomology, Sub-Tropical Horticulture at U.C.L.A., Truck Crops, Viticulture)
<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Economics 1</td>
<td>8</td>
</tr>
<tr>
<td>Botany 1-2</td>
<td>4</td>
<td>Chemistry 5-6</td>
<td>5</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Bacteriology 31</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biology 1</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 1-2 (if needed)</td>
<td>3</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>1</td>
<td>History 5</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Total</td>
<td>16½</td>
<td>Total</td>
<td>16½</td>
</tr>
</tbody>
</table>

**ENTOMOLOGY AND PARASITOLOGY**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Botany 1-2</td>
<td>4</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Chemistry 5</td>
<td></td>
</tr>
<tr>
<td>Zoology 1-2</td>
<td>4</td>
<td>Bacteriology 31</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 1-2 (if needed)</td>
<td>3</td>
<td>Physics 5 or 10</td>
<td>4½</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>History 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Geology 1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>0-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Total</td>
<td>15½</td>
<td>Total</td>
<td>16½</td>
</tr>
</tbody>
</table>

**AGRICULTURAL ECONOMICS**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Philosophy, Political</td>
<td></td>
</tr>
<tr>
<td>Botany 1-2</td>
<td>4</td>
<td>Science, Geography</td>
<td></td>
</tr>
<tr>
<td>Mathematics 1-2 (if needed)</td>
<td>3</td>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Mathematics 3-4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>History 17-18</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biology 1 - Electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Total</td>
<td>15½</td>
<td>Total</td>
<td>15½</td>
</tr>
</tbody>
</table>

**FORESTRY**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Engineering 11-12</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 3-4</td>
<td>3</td>
<td>Chemistry 5</td>
<td>3</td>
</tr>
<tr>
<td>Geology 1 - Biology 1</td>
<td>3</td>
<td>Botany 1-2</td>
<td>4</td>
</tr>
<tr>
<td>History 5 -</td>
<td></td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Political Science 5</td>
<td>2</td>
<td>Electives</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Total</td>
<td>16½</td>
<td>Total</td>
<td>17½</td>
</tr>
</tbody>
</table>
### Soil Science

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Botany 1-2</td>
<td>4</td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Geology 1 -</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 3-4</td>
<td>3</td>
<td>Bacteriology 31</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
<td>History 5 -</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

**Total** 15 1/2 15 1/2

### Landscape Design

(One year of work in this major is available at Glendale)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 1-2</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Economics 1-2*</td>
<td>3</td>
</tr>
<tr>
<td>Geology 1-2</td>
<td>3</td>
</tr>
<tr>
<td>History, Philosophy or Political Science</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

**Total** 15 1/2 15 1/2

* *Special permission required to take Economics 1-2 in freshman year

### Agricultural Education

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Botany 1-2</td>
<td>4</td>
</tr>
<tr>
<td>Zoology 1-2</td>
<td>4</td>
<td>Chemistry 5</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Physics 1-2 or 5-6</td>
<td>3-4</td>
</tr>
<tr>
<td>Mathematics 1-2 (if needed)</td>
<td>3</td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
<td>History 5 -</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bacteriology 31</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

**Total** 15 1/2 15 1/2

### Home Economics

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Arts 21-22</td>
<td>3</td>
<td>Home Arts 11-12</td>
<td>3</td>
</tr>
<tr>
<td>Art 3-4</td>
<td>2</td>
<td>Biology 1 -</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 1 - History 5</td>
<td>2</td>
<td>Psychology I</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2, History 1-2 or Speech 3-4</td>
<td>3</td>
<td>Physiology 31 -</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Bacteriology 31</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
<td>Chemistry 5</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Economics 1-2</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

**Total** 15 1/2 15 1/2

### Total

<table>
<thead>
<tr>
<th></th>
<th>15 1/2</th>
<th>16 1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRICULTURAL EDUCATION</td>
<td>Total</td>
<td>15 3/4-16 1/2</td>
</tr>
<tr>
<td>HOME ECONOMICS</td>
<td>Total</td>
<td>16 1/2</td>
</tr>
</tbody>
</table>
3 Architecture and Fine Arts (University of Southern California)

Students may be admitted to the third year of the College of Architecture and Fine Arts upon completion of two years of work at Glendale College. The degree of Bachelor of Fine Arts may be completed with two years of additional study and the degree of Bachelor of Architecture may be completed with three years of additional study, but transfer at the end of the freshman year is advised for candidates for the latter degree.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 3-4</td>
<td>2</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>Art 5-6</td>
<td>2</td>
<td>Mathematics 3</td>
<td>3</td>
</tr>
<tr>
<td>Art 34</td>
<td>1</td>
<td>Architecture 17-18</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Architecture 23</td>
<td>2</td>
</tr>
<tr>
<td>History 5 -</td>
<td></td>
<td>Art 11</td>
<td>2</td>
</tr>
<tr>
<td>Political Science 5</td>
<td>2</td>
<td>History 7-8</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 2, 8</td>
<td>3</td>
<td>Economics 1</td>
<td>3</td>
</tr>
<tr>
<td>Architecture 3</td>
<td>2</td>
<td>Psychology 1</td>
<td>3</td>
</tr>
<tr>
<td>Art 45</td>
<td></td>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
<td></td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

Total $15\frac{1}{2}$ $16\frac{1}{2}$

NOTE: Two years of high school foreign language or 6 units of college foreign language is required. Instrument Drawing should be taken in high school.

4 Bacteriology (In the College of Letters and Science)

Students will find it advantageous to transfer to the University after spending only one year in Glendale College.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
</tr>
<tr>
<td>French or German</td>
<td>4</td>
</tr>
<tr>
<td>Zoology 1-2</td>
<td>4</td>
</tr>
<tr>
<td>Economics 1-2*</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

Total $16\frac{1}{2}$ $16\frac{1}{2}$

*Special permission required to take Economics 1-2 in freshman year.

5 Botany (In the College of Letters and Science)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
</tr>
<tr>
<td>Botany 1-2</td>
<td>4</td>
</tr>
<tr>
<td>French 1-2 or German 1-2</td>
<td>4</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

Total $16\frac{1}{2}$ $16\frac{1}{2}$
6 Business Administration (University of California at Los Angeles)

The curriculum of the College of Business Administration is designed to give students who choose to work toward the Bachelor of Science degree a well-balanced introduction to professional careers in business. Certain fundamental courses are included in the first two years of work which should give the student the proper background for more technical offerings when the upper division is reached.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English - Speech 3</td>
<td>3</td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Geography 1-2</td>
<td>3</td>
<td>Mathematics 1-9</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language or Natural</td>
<td>4.5</td>
<td>History 1-2 or Psychology 1-2 or</td>
<td>3</td>
</tr>
<tr>
<td>Science 4.5</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Economics 14-15</td>
<td>4</td>
<td>Continued Foreign</td>
<td></td>
</tr>
<tr>
<td>History 5 - Political Science</td>
<td>2</td>
<td>Language or Science 4-3</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>16½</td>
<td>Physical Education</td>
<td>1½</td>
</tr>
<tr>
<td></td>
<td>17½</td>
<td></td>
<td>1½</td>
</tr>
</tbody>
</table>

7 Business Administration (U.C., Berkeley)

To be admitted to the School of Business Administration, students must have at least junior standing in one of the colleges of the University of California or, if entering from another institution, must have completed an equivalent program of work. This means that the first two years of work may follow the pattern prescribed by the College of Letters and Science, the College of Agriculture, or the College of Engineering.

Students attending Glendale College and planning at the end of two years to enter the School of Business Administration (Berkeley) should complete the following required courses: Economics 1-2, Economics 14-15, History 5, and Political Science 5, Economic Geography is highly recommended. Mathematics 3-4 is desirable for those planning to specialize in the mathematical side of business.

8 Chemistry (In the College of Letters and Science)

Admission to upper division chemistry is contingent upon a grade point standing of at least 1.5 in courses basic to the major.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 3-4</td>
<td>3</td>
<td>German 1-2</td>
<td>4</td>
</tr>
<tr>
<td>Physics 1-2</td>
<td>3</td>
<td>Mathematics 5-6</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>History 17-18</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 1 - Electives</td>
<td>2</td>
<td>Physics 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Total</td>
<td>16½</td>
<td></td>
<td>16½</td>
</tr>
</tbody>
</table>

Total 16½ 16½
9 Dentistry (In the College of Letters and Science—Pre-dental Curriculum)

Those wishing to enter the College of Dentistry must have completed all the requirements for the Associate of Arts degree in the College of Letters and Science and also specific pre-dental requirements.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2 or</td>
<td>5</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>Speech 3-4</td>
<td>3</td>
<td>History 17-18</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>Hygiene 1 - Electives</td>
<td>3-4</td>
</tr>
<tr>
<td>Zoology 1-2</td>
<td>4</td>
<td>Mathematics or</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Foreign Language</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16½</td>
<td><strong>Total</strong></td>
<td>16½</td>
</tr>
</tbody>
</table>

9A Dental Hygienist (University of California College of Dentistry, Dental Hygiene Curriculum, San Francisco)

Dental Hygiene is a profession limited to women. It bears a relationship to dentistry similar to that which nursing bears to the medical profession. Students completing the two-year Pre-dental Hygienist program and the following two-year curriculum in the University will be granted a Bachelor of Science degree in dental hygiene. Graduates in this field after passing the state examination are licensed to practice and are eligible to work as hygienists in private dental offices or for state or county health departments. Students planning to enter this field should complete the regular pattern of courses in high school required for admission to the University of California. Applicants for admission to the Dental Hygiene Curriculum (San Francisco) should complete the requirements of the College of Letters and Science for the Associate in Arts degree as well as certain specified additional courses. The following two-year program completed at Glendale College will satisfy requirements:

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>History 17-18</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>Physics 5-6 or</td>
<td>3</td>
</tr>
<tr>
<td>A year course in:</td>
<td>3</td>
<td>Zoology 1-2</td>
<td>4</td>
</tr>
<tr>
<td>Social Science,</td>
<td>3</td>
<td>Foreign Language or</td>
<td>3</td>
</tr>
<tr>
<td>Philosophy, or</td>
<td>3</td>
<td>Electives*</td>
<td>4</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
<td>Hygiene 1 - Electives</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total</strong></td>
<td>16½</td>
</tr>
</tbody>
</table>

*The first two years of high school work in a foreign language will be counted as four units of this requirement; the third and fourth years of high school work in a foreign language will be counted as four units each of this requirement. A total of 16 units is required.*
10 Economics (In the College of Letters and Science)
See also Business Administration

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Economics 14-15</td>
<td>4</td>
</tr>
<tr>
<td>Economics 1-2*</td>
<td>3</td>
<td>Select year course from 2 fields:</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>additional foreign language,</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>3-4</td>
<td>mathematics, social science,</td>
<td></td>
</tr>
<tr>
<td>History 5 -</td>
<td></td>
<td>philosophy, fine arts</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>2</td>
<td>Hygiene 2</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
<td>Foreign Language or Natural</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science if needed, or</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>one</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

Total $15\frac{1}{2}$-$16\frac{1}{2}$ $15\frac{1}{2}$-$16\frac{1}{2}$

*A minimum grade of "C" must be earned in these courses.

11 Engineering—Aeronautical, Civil, Electrical, Mechanical, and Mining (Mining, Geology, Petroleum Process)
University of California—Berkeley or U.C.L.A.

Engineering students should have completed the following courses in high school: mathematics, 4 units including trigonometry and solid geometry; physics, 1 unit; chemistry, 1 unit; and mechanical drawing, 1 unit. Without this preparation it will be difficult to complete the required curriculum in four years. Except for mining, students may complete two years of work in all fields at Glendale College. Mining engineers should transfer to the university when ready to commence the sophomore year. Rating of applicants for both lower division and upper division standing in the University will be based on the standing of the applicant in scholarship and in examinations designed to test aptitude for engineering.

(Same program for all branches of engineering)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics 3-4</td>
<td>3</td>
<td>Mathematics 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Physics 1-2</td>
<td>3</td>
<td>Physics 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Engineering 3-8</td>
<td>2</td>
</tr>
<tr>
<td>History 5 -</td>
<td></td>
<td>Geology 1</td>
<td>3</td>
</tr>
<tr>
<td>Political Science</td>
<td>2</td>
<td>Engineering 2 or</td>
<td></td>
</tr>
<tr>
<td>Engineering 11-12</td>
<td>3</td>
<td>Elective**</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
<td>Hygiene 1 - Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>$\frac{1}{2}$</td>
</tr>
</tbody>
</table>

Total $16\frac{1}{2}$ $16\frac{1}{2}$ $16\frac{1}{2}$ $16\frac{1}{2}$

*Must be completed by those desiring junior college graduation.
**Civil engineers may substitute an elective for Engineering 2. Agricultural engineers (branch of mechanical engineering) should complete Economics 1-2.
12 English (In the College of Letters and Science)

English majors should follow the curriculum pattern outlined under Letters and Science (Number 23). Students must complete English 1-2 and English 5-6. The completion of English 13-14 is also recommended. It is advantageous for students in lower division of college to continue study of one modern foreign language. It is also recommended that a course in philosophy be taken.

13 Foreign Language (In the College of Letters and Science)

Students majoring in a foreign language should follow the program of studies outlined under the Letters and Science Curriculum (Number 23). The courses that are required or recommended for each particular language are as follows:

FRENCH:

Required: French 1, 2, 3, 4. Unless student receives grade of A or B in French 4 it will be necessary to complete French 25 at the University of California prior to being admitted to upper division work.

Recommended: History 1-2, Philosophy 1-2, English 1-2, high school Latin.

GERMAN:

Required: German 1, 2, 3, 4.
Recommended: History 1-2.

SPANISH:

Required: Spanish 1, 2, 3, 4. Unless student receives grade of A or B in Spanish 4 it will be necessary to complete Spanish 25A-25B at the University of California prior to being admitted to upper division work.

Students may not major in Spanish unless a C average is maintained in all lower division Spanish courses. Two years of high school Latin are required of majors in this field. This requirement may be completed by taking Latin 1, 2 at the University of California before commencing senior year.

14 General Curriculum (In the College of Letters and Science)

In the General Curriculum a student distributes his studies through two or three departments rather than emphasizing one major department. In the lower division (freshman and sophomore years) the student must complete the requirements for the Letters and Science Curriculum (Number 23). In addition a General Curriculum student must complete the basic lower division courses required by each of the departments in which he wishes to distribute his studies during his junior and senior years. Consult the catalog of the University of California for combinations of courses. Some sample combinations are as follows:
1. Combination of Economics, Psychology and Public Speaking: Economics 1, 2; Psychology 1, 2; Speech 3, 4.

2. Combination of Physics and Mathematics: Physics 1, 2, 3, 4; Mathematics 3, 4, 5, 6, 8, 9.

3. Combination of English, History and Psychology: English 1, 2, 5, 6; History 1, 2; Psychology 1, 2.

15 Geography (In the College of Letters and Science)

Students majoring in this field should follow the Letters and Science Curriculum (Number 23). In addition, the following required and recommended courses should be completed:

Required: Geography 1, 2.

Geography 4, Map Reading and Map Interpretation would have to be completed at the University of California during junior year.

Recommended: Geography 1, Geography 32.

16 Geology (In the College of Letters and Science)

Students may specialize in geology either in the petroleum engineering branch of the College of Engineering or in the College of Letters and Science. Mathematics through trigonometry should be completed in high school.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>Geology 1-2</td>
<td>3</td>
<td>Engineering 11-12</td>
<td>3</td>
</tr>
<tr>
<td>History 5-</td>
<td>2</td>
<td>English 1-2 or</td>
<td></td>
</tr>
<tr>
<td>Political Science 5</td>
<td>2</td>
<td>Speech 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language (French or German)</td>
<td>4</td>
<td>Mathematics 3-4</td>
<td>3</td>
</tr>
<tr>
<td>Art 5 - Hygiene 1</td>
<td>2</td>
<td>Social Science, Philosophy</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

Total 16 ½ 16 ½ Total 16 ½ 16 ½

Note: Mineralogy 1A, 1B, and 2 would have to be completed at the University of California during the junior year. Geometrical drawing (Engineering 3) should be completed in Glendale College if possible.

17 History (In the College of Letters and Science)

History majors should follow the Letters and Science Curriculum (Number 28), taking into consideration the following requirements and recommendations:

At U.C. (Berkeley) required: History 1-2, 3-4 or 17-18, and Economics 1 or Geography 1. All history majors should acquire a reading knowledge of at least one foreign language.


Recommended: Economics 1-2, History 3-4, Geography 1-2, Political Science 1-2, and other history courses and foreign language.

Note: History majors planning to transfer to U.S.C. should enroll for History 7-8.
18 Home Economics (In the College of Applied Arts at U.C.L.A.; in the professional departments of the state colleges). See curriculum of College of Agriculture (Number 1) for U.C.

The following program in home economics is designed for students planning to be teachers and for those desiring home economics as a background for homemaking.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Arts 21-22</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Art 3-31</td>
<td>2</td>
<td>Chemistry 5-</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>History 5-</td>
<td>3</td>
</tr>
<tr>
<td>Year course in: Social science, philosophy, fine arts, mathematics, or foreign language</td>
<td>3 3</td>
<td>Political Science 5</td>
<td>2 2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>(\frac{1}{2}) (\frac{1}{2})</td>
<td>Physiology 31</td>
<td>4 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>1 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>(\frac{1}{2}) (\frac{1}{2})</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16(\frac{1}{2})</td>
<td><strong>Total</strong></td>
<td>16(\frac{1}{2})</td>
</tr>
</tbody>
</table>

19 Industrial Arts (University of California at Santa Barbara and at State Colleges)

Students majoring in industrial or mechanical arts should be primarily planning to secure a teaching credential. This type of training, however, is also designed to qualify for entering the industry in a technical capacity. The Los Angeles campus of the University of California no longer offers an industrial arts major program.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Technology 1-5</td>
<td>6</td>
<td>Chemistry 41*</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics 49-44</td>
<td>3</td>
<td>Psychology 1</td>
<td>3</td>
</tr>
<tr>
<td>Architecture 1</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Engineering 2</td>
<td>3 3</td>
<td>Speech 3</td>
<td>3</td>
</tr>
<tr>
<td>History 5-</td>
<td></td>
<td>Art or Music</td>
<td>3</td>
</tr>
<tr>
<td>Political Science 5</td>
<td>2</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>(\frac{1}{2}) (\frac{1}{2})</td>
<td>Economics, Sociology or History</td>
<td>3 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>(\frac{1}{2}) (\frac{1}{2})</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17(\frac{1}{2})</td>
<td><strong>Total</strong></td>
<td>16(\frac{1}{2})</td>
</tr>
</tbody>
</table>

*Not required provided course in high school chemistry has been completed.
20 International Relations (In the College of Letters and Science)

The major in International Relations is designed for students interested in acquiring an understanding of the forces and influences conditioning present day world politics, as well as the main problems and policies of organized states in their relations with one another in the twentieth century.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>History 1-2</td>
<td>3</td>
<td>Psychology 1-2 or 5</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Advanced Foreign Language (if needed)</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3-4</td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>History 5-Electives</td>
<td>2</td>
<td>Mathematics, Philosophy or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Political Science 1-2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>15 1/2-16 1/2</td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total</td>
<td>16 1/2</td>
</tr>
</tbody>
</table>

21 Journalism (In the College of Letters and Science)

Majors in this field should follow the Curriculum in Letters and Science (Number 23) with the inclusion of the required and recommended subjects listed below:

Required: English 1-2 or Speech 3-4; Economics 1-2, History 1-2 or 3-4 or 17-18; Political Science 1-2; Journalism 1-2, 11-12.

Recommended: Psychology 1-5, Philosophy 1-2, Geography 1-2, Law 18, Sociology 1-2.

22 Law

Students desiring to study law may pursue their professional training in either of two ways:

(1) In the School of Jurisprudence of a University (Stanford, University of Southern California or University of California, for example) after having previously obtained a bachelor's degree from a four-year college or university.

(2) In a College of Law requiring only two college years for admission (Hastings College of Law or University of California, for example.)

In either case the requirements for the first two years are essentially the same. Students should earn the junior certificate or Associate in Arts degree of the College of Letters and Science (see Number 23). No particular majors and minors are required for law students, but rather it is recommended that a broad training be obtained. Mathematics, science, and language give needed analytical training. Those planning to specialize in civil and political law will find it profitable to take courses in political science, history, economics, public speaking, psychology, sociology, and literature. Students planning to specialize in criminal law should study chemistry, economics, psychology, philosophy, physiology, and public speaking. Latin is recommended.
Letters and Science (University of California)

This is the fundamental general course leading to upper division standing at the University of California or most other institutions for all those students majoring in the various academic subjects (English, mathematics, foreign language, natural science, philosophy, social science, and the arts). Note: Students satisfying the lower division requirement for University of California (Berkeley) College of Letters and Science will also be admitted to full upper division standing at U.C.L.A.

The requirements for junior standing are:

1. The fulfillment of not less than 60 units of college work.

2. The fulfillment of the following general and specific requirements:

   a. General University requirements:

   English Subject A – Students completing English 1-2 in Glendale College with grade of C or higher satisfy this requirement.

   Military Science and Tactics (men).
   (Note: If a student completes two years of work in a junior college, he is exempt from this requirement.)

   b. Foreign Language

   At least 16 units in not more than two languages, with not less than four units in any one language. The first two years of high school work in a foreign language will be counted as four units of this requirement; the third and fourth years of high school work in a foreign language will be counted as four units each of this requirement. No credit is given for only one year of high school work in a foreign language.

   c. Matriculation Mathematics

   Elementary algebra and plane geometry. Students should fulfill these requirements in high school; students who have not done so may take Mathematics 41 and Mathematics 40 at Glendale College.

   d. Natural Science

   At least 12 units, including one course in a laboratory science (six hours of laboratory work weekly). The choice of sciences should be made from the following list:

   - High school physics*, 3 units. (1 high school credit)
   - High school chemistry*, 3 units (1 high school credit).
   - Biology 1
   - Chemistry 1*, 2*, 3*, 4*, 5*, 6*, 11-12*
   - Geography 1
   - Geology 1-2
Paleontology 1
Physics 1-2*, 3-4*, 5-6*, 10
Zoology 1*, 2*
*Laboratory science courses.

e. Additional
A sequence (of 5 or 6 units) in each of three of the following six groups:
1. English or Public Speaking
   English 1-2
   Speech 3-4
2. Foreign Language
   This requirement is in addition to the regular requirement of 16 units. Two years of high school Latin are accepted as the equivalent of a college year course.
3. Mathematics
   Any two of the following courses: Mathematics 2 or high school trigonometry. 3, 4, 9.
4. Social Sciences
   Economics 1-2
   Geography 1-2
   History 1-2, 3-4, 17-18
   Political Science 1-2
   Psychology 1-2 or 5
   Sociology 1-2
5. Philosophy
   Philosophy 1-2
6. Fine Arts
   Art 1-2
   Music 3-4

First Year Units Second Year Units
Natural Science 3-4 3-4
Foreign Language 4 4
Group "e" requirement 3 3
Preparation for major 3 3
History 5 - Political Science 1 2
Physical Education ½ ½

Total 15½-16½ 15½-16½

Foreign Language (if needed) 4 4
Natural Science (if needed) 3 3
Group "e" requirement 3-6 3-6
Preparation for major 3-6 3-6
Hygiene 1 2
Electives as needed ½ ½

Physical Education ½ ½

Total 16½ 16½

24 Librarianship (In the College of Letters and Science)

Students must have obtained a bachelor’s degree from a four year college or university prior to being admitted to the School of Librarianship. No specific major is recommended for undergraduate training. A good general education provides the best background. Those planning to enter the School of Librarianship must have completed a year each in two modern foreign languages in college. Ability to type is also recommended. One year of training beyond the bachelor’s degree leads to Certificate of Librarianship, and two years of training to the degree of Master of Arts.
25 Mathematics (In the College of Letters and Science)

Students wishing to major in mathematics should follow the Letters and Science Curriculum (Number 23). The following required and recommended subjects should also be included:

Required: Trigonometry (Mathematics 2), Mathematics 3, 4, 5, 6, 8, and Introduction to Projective Geometry (Mathematics 9 at U.C. Berkeley).

Recommended: Courses in Physics, French and German.

26 Medical Technician (College of Letters and Science)

The need for trained personnel as medical technicians has led the University of California to establish a curriculum in this field leading to the degree of Bachelor of Science through the School of Public Health in cooperation with the University Medical School. The last year of training must be taken on the San Francisco campus. The following program should be completed at Glendale College.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Zoology 1</td>
<td></td>
<td>Bacteriology 31</td>
<td>4</td>
</tr>
<tr>
<td>Physiology 31</td>
<td>4</td>
<td>History 17-18</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>Music or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Electives</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16½</td>
<td><strong>Total</strong></td>
<td>17½</td>
</tr>
</tbody>
</table>

27 Medicine (Pre-medical Curriculum in the College of Letters and Science)

Three years of pre-medical training in the College of Letters and Science are required for entrance to the Medical School. During the first two years the regular requirements for the Associate in Arts degree including the specific courses outlined below should be completed. Consult the General Catalog of the University of California for the courses which must be completed during the third year of pre-medical work.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Zoology 1-2</td>
<td>4</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>French or German (if needed)*</td>
<td>4</td>
</tr>
<tr>
<td>French 1-2 or German 1-2</td>
<td>4</td>
<td>Chemistry 3-4</td>
<td>4-3</td>
</tr>
<tr>
<td>Physics 5-6</td>
<td>4</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>History 17-18</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>One year course in Mathematics</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Philosophy or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16½</td>
<td><strong>Total</strong></td>
<td>16½</td>
</tr>
</tbody>
</table>

*At least 10 units of French or German are required for entrance to Medical School.
Merchandising includes the specialized fields of marketing, advertising, wholesaling and retailing. In general, students enrolling in Colleges of Commerce or Business Administration may receive the proper background of training to pursue work in this field.

Some students may desire to enter the University of Southern California College of Commerce or the University of California to major in Art or Decorative Arts, or U.C.L.A. and major in Apparel Design or Apparel Merchandising.

### CURRICULUM IN RETAILING—U.S.C.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Economics 14-15</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3</td>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>(if needed)</td>
<td>3</td>
<td>Commerce 31-35</td>
<td>3</td>
</tr>
<tr>
<td>History 7-8</td>
<td>3</td>
<td>Law 18</td>
<td></td>
</tr>
<tr>
<td>Speech 3</td>
<td>3</td>
<td>Political Science 5</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td>2</td>
<td>Art 3-4</td>
<td>2</td>
</tr>
<tr>
<td>History 5</td>
<td>2</td>
<td>Commerce 37-38</td>
<td>2</td>
</tr>
<tr>
<td>Commerce 29</td>
<td>2</td>
<td>Commerce 34</td>
<td></td>
</tr>
<tr>
<td>Commerce 33-32</td>
<td>2</td>
<td>Physical Education</td>
<td>1½</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td></td>
<td>½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16½</td>
<td><strong>Total</strong></td>
<td>17½</td>
</tr>
</tbody>
</table>

### APPAREL DESIGN AND APPAREL MERCHANDISING—U.C.L.A.

The College of Applied Arts at U.C.L.A. offers the following two special curricula in the field of merchandising: Apparel Design: The curriculum in Apparel Design is planned to provide students with the knowledge, taste, originality, and technical skill essential to the successful designer in either the wholesale or retail trade, or for the stage and screen. Apparel Merchandising: The curriculum in Apparel Merchandising is designed for students interested in retailing of clothing, preparing for positions as salespeople, buyers, and department managers with manufacturers, retail stores and custom shops. The following program will satisfy the lower division requirements for either curriculum:

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>History 17-18</td>
<td>3</td>
</tr>
<tr>
<td>Art 3-4</td>
<td>2</td>
<td>Art 7</td>
<td>2</td>
</tr>
<tr>
<td>Art 5-6</td>
<td>2</td>
<td>Art 13-14</td>
<td>3</td>
</tr>
<tr>
<td>Home Arts 11-12</td>
<td>3</td>
<td>Art 23-24</td>
<td>2</td>
</tr>
<tr>
<td>Hygiene 1 - Electives</td>
<td>2</td>
<td>Economics 14</td>
<td>4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Foreign Language (if needed)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>1½</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>16½</td>
<td><strong>Total</strong></td>
<td>17½</td>
</tr>
</tbody>
</table>
DECORATIVE ART MAJOR—U.C., COLLEGE OF LETTERS AND SCIENCE

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 3-4</td>
<td>2</td>
<td>Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>Art 5-6</td>
<td>2</td>
<td>Architecture</td>
<td>3</td>
</tr>
<tr>
<td>History 1-2</td>
<td>3</td>
<td>Home Arts 1-2</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>Philosophy or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>History 5 -</td>
<td>2</td>
<td>Electives or Foreign</td>
<td></td>
</tr>
<tr>
<td>Political Science 5</td>
<td>2</td>
<td>Language</td>
<td>4</td>
</tr>
<tr>
<td>English 1-2 or Speech 3-4</td>
<td>3</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

Total 16 1/2  16 1/2

29 Music (In the College of Letters and Science, University of California—Berkeley or U.C.L.A.)*

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>Music 3-4</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2 or</td>
<td>3</td>
<td>Music 7-8</td>
<td>2</td>
</tr>
<tr>
<td>Speech 3-4</td>
<td>3</td>
<td>History 17-18</td>
<td>3</td>
</tr>
<tr>
<td>Music 1-2</td>
<td>3</td>
<td>Music 5-6</td>
<td>5</td>
</tr>
<tr>
<td>Natural Science</td>
<td>4</td>
<td>Foreign Language or additional</td>
<td></td>
</tr>
<tr>
<td>Hygiene 1 - Electives</td>
<td>2</td>
<td>Natural Science (if needed)**</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

Total 16 1/2  16 1/2

Total 16 1/2  17 1/2

*Music majors in the College of Applied Arts at U.C.L.A. should substitute a year course in social science, philosophy or psychology for the year course in natural science.

**If not needed, select desired course in music.

(Occidental College, University of Southern California, and Pomona College)

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>History 7-8</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td>2</td>
<td>History 5 -</td>
<td></td>
</tr>
<tr>
<td>Music 1-2</td>
<td>2</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>Music 5-6</td>
<td>5</td>
<td>Music 11-14 or 15-18</td>
<td>1</td>
</tr>
<tr>
<td>French or German</td>
<td>4</td>
<td>Chemistry 11-12 or Geology 1-2 or</td>
<td></td>
</tr>
<tr>
<td>Music 11-12 or 15-18</td>
<td>1</td>
<td>Physics 5-6</td>
<td>3-4</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Philosophy 1-2*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Music 3-4*</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 15 1/2  17 1/2

Total 15 1/2  16 1/2

*If the student is to enter University of Southern California for upper division work, he must substitute for Philosophy 1-2 and Music 3-4 a year of another foreign language and Psychology 1.
Students wishing to enter the School of Nursing at the University of California at Berkeley should complete the following program, which also entitles them to receive the degree of Associate in Arts at the end of the fourth semester. Note that the lower division requirements as prescribed by the College of Letters and Science or the College of Applied Arts, U.C.L.A., must be completed.

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>5</td>
</tr>
<tr>
<td>Bacteriology 31</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
</tr>
<tr>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>(\frac{1}{2})</td>
</tr>
</tbody>
</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiology 31</td>
<td>4</td>
</tr>
<tr>
<td>Anatomy 31</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 1-5</td>
<td>3</td>
</tr>
<tr>
<td>Economics 1-2</td>
<td>3</td>
</tr>
<tr>
<td>History 5</td>
<td></td>
</tr>
<tr>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>Philosophy or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>(\frac{1}{2})</td>
</tr>
</tbody>
</table>

Total: 15\(\frac{1}{2}\) 16\(\frac{1}{2}\)

Recommended: Home Arts 21 or 41 and Home Arts 25.

All students planning on a nursing career should find out the requirements of admission to the Nursing School they wish to enter.

The following one-year curriculum is acceptable for entrance to many schools of nursing.

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 41 -</td>
<td></td>
</tr>
<tr>
<td>Bacteriology 31</td>
<td>5</td>
</tr>
<tr>
<td>Physiology 31 -</td>
<td>4</td>
</tr>
<tr>
<td>Anatomy 31</td>
<td>4</td>
</tr>
<tr>
<td>Home Arts 21 or 41</td>
<td></td>
</tr>
<tr>
<td>Psychology 1</td>
<td>3</td>
</tr>
<tr>
<td>Elective - Hygiene 1</td>
<td>1</td>
</tr>
<tr>
<td>Physical Education</td>
<td>(\frac{1}{2})</td>
</tr>
</tbody>
</table>

Total: 16\(\frac{1}{2}\) 16\(\frac{1}{2}\)

Recommended: Home Arts 25.

**Practical Nursing**—Students interested in practical nursing, rather than a registered nurse’s certificate, should take the one-year nursing course outlined above.

**Medical Dental Secretary**—Students interested in working in a doctor’s office should take the courses listed in the one-year nursing course outlined above plus courses in shorthand, typing, bookkeeping and office practice. All these should be combined into a two-year course.
31 Optometry

The School of Optometry offers a curriculum leading to a Bachelor of Science degree, and to a Certificate of Completion in Optometry. Admission is granted to students who have completed the requirements for the degree of Associate in Arts in the College of Letters and Science, and also the prerequisite subjects for the study of optometry. Students should complete mathematics through trigonometry, chemistry, physics, three years of foreign language and mechanical drawing in high school.

The following two-year program, if completed, should satisfy all requirements.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4</td>
<td>Mathematics 3</td>
<td>3</td>
</tr>
<tr>
<td>Speech 3-4</td>
<td>3</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Physiology 31</td>
<td>4</td>
<td>Psychology 1-2, or 5</td>
<td>3</td>
</tr>
<tr>
<td>Bacteriology 31</td>
<td>4</td>
<td>History 5-6</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Electives</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16½</td>
<td>16½</td>
<td></td>
</tr>
</tbody>
</table>

32 Osteopathy

Admission to an Osteopathic College is usually predicated upon the completion of the standard two-year pre-medical program. The College of Osteopathic Physicians and Surgeons at Los Angeles strongly recommends that a course in public speaking be completed. Students who have not completed two years of foreign language in high school must complete one college year of foreign language.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>Zoology 1-2</td>
<td>4</td>
<td>Physics 5-6</td>
<td>4</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Psychology 1-2</td>
<td>3</td>
</tr>
<tr>
<td>History 5-</td>
<td></td>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science 5</td>
<td>½</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
<tr>
<td>Electives - Hygiene 1</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16½</td>
<td>16½</td>
<td></td>
</tr>
</tbody>
</table>

33 Pharmacy

Students planning to secure the Bachelor of Science degree in Pharmacy must complete the last three years of the four-year course at the College of Pharmacy (University of California.)
First Year       Units       Second Year       Units
Chemistry 1-2    5           Hygiene 4        2
Mathematics 1-2* 3           Physiology 31    4
English 1-2 or   3           Bacteriology 31   4
Speech 3-4      3
Botany 1-2      4           Home Arts 25     2
Physical Education  $\frac{1}{2}$  $\frac{1}{2}$  Foreign Language (if necessary)  4
                        4
Speech 3-4 or    3
Philosophy or Fine Arts  3  Psychology 1-5  3
English 1-2     3
Elective        3
Physical Education (2 courses)  1  History 5 -

Total 16 16

Total 16 16

*Students who have completed these courses should take Mathematics 3-4 or a year course in history, psychology, or foreign language.

34 Physical Education (In the College of Letters and Science at U.C., Berkeley; in the College of Applied Arts at U.C.L.A.)

Students may find it desirable to transfer to the university at the beginning of the sophomore year.

35 Physical Therapy

Physical Therapy is the treatment of disease by non-medical means, such as massage, exercise, and the physical, chemical, and other properties of light, heat, water, and certain forms of electricity. The impact of the war has created greater demand for trained physical therapists. Two years of approved college training will qualify students able to pass a required physical examination to enter physical therapy schools approved by the Council on Medical Education of The American Medical Association. Four such schools are located in California: University of California Hospital, San Francisco; Stanford University; Children's Hospital, Los Angeles; College of Medical Evangelists, Los Angeles. Students planning to enter this field should complete the following two-year program at Glendale college.
<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoology 1-2</td>
<td>4</td>
<td>Anatomy 31</td>
<td>4</td>
</tr>
<tr>
<td>Physiology 31</td>
<td>4</td>
<td>Chemistry 11-12</td>
<td>4</td>
</tr>
<tr>
<td>Physics 5-6</td>
<td>4</td>
<td>Hygiene 1</td>
<td>2</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>History 5-</td>
<td></td>
</tr>
<tr>
<td>Mathematics 2</td>
<td></td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>(if needed)</td>
<td>3</td>
<td>Psychology 1-5</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>2</td>
<td>Electives</td>
<td>5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

Total: 16½ 16½

35 Physics (In the College of Letters and Science)

Students planning to major in physics should follow the Letters and Science Curriculum (Number 29). In addition, the following required and recommended subjects should be included:

Required: Physics 1, 2, 3, 4; Chemistry 1, 2; Mathematics, 2, 3, 4, 5, 6; Recommended: A reading knowledge of German and French, and Mathematics 8.

37 Political Science (In the College of Letters and Science)

Students majoring in Political Science should follow the program of studies outlined in the Letters and Science Curriculum (Number 29). The following required and recommended subjects should be included:

Required: U.C. Berkeley: Political Science 1-2 and Economics 1-2 or History 1-2 or History 3-4 or History 17-18 or Philosophy 1-2 or Geography 1-2.


Recommended: U.C. Berkeley: Any of the alternate courses listed above.


38 Psychology (In the College of Letters and Science)

The Letters and Science Curriculum (Number 29) should be followed by students planning to major in psychology. The following required and recommended subjects should be included:

Required: Psychology 1-2, Zoology 1-2, Mathematics 1 or equivalent

Note: Psychology 5 (not Glendale College Psychology 5, but a different course) given at U.C., Berkeley, must be completed prior to beginning of senior year.

Recommended: French, German, Chemistry, Physics.
39 Public Health (In the College of Letters and Science)

A certificate for Public Health Nursing may be obtained through graduate study in the University after one has taken a Bachelor’s degree. This type of training should not be confused with undergraduate training in which a student majors in Public Health Nursing. The Public Health major should follow the program of studies for the Letters and Science Curriculum (Number 23). Students majoring in this field may find it advisable to transfer to the University at the beginning of the sophomore year.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 1-2</td>
<td>5</td>
<td>Chemistry 5-6</td>
<td>3</td>
</tr>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Physiology 31</td>
<td>3</td>
</tr>
<tr>
<td>French or German</td>
<td>4</td>
<td>Bacteriology 31</td>
<td>4</td>
</tr>
<tr>
<td>Zoology 1 - Hygiene 1</td>
<td>4</td>
<td>Economics 1-2 or</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>2</td>
<td>Geography 1-2</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1/2</td>
<td>Psychology 1 -</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Philosophy or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>1/2</td>
</tr>
</tbody>
</table>

Total 16 1/2 16 1/2

40 Social Welfare (In the College of Letters and Science)

Students planning to qualify for positions of social service should major in Social Welfare. Beyond the bachelor’s degree it is possible to secure additional training on graduate level leading to the Certificate of Completion in Social Welfare. Training in this field prepares students for such positions as: Probation officer, institutional case worker, family case worker in public welfare agencies, and child welfare worker. Those majoring in this field are advised to secure a broad background of training in life science, social science, and psychology. Foreign language often proves beneficial. The regular Letters and Science Curriculum (Number 23) including the following required and recommended subjects should be followed:

Required: Economics 1-2, Psychology 1-2, or 5, History 1-2, Elementary statistics (Economics 40) must be completed after transfer to the University.

Recommended: Speech 3-4, Life Science.

41 Teaching

Teachers in California must have earned a credential of the proper type in order to hold a position. Students planning to become teachers must complete requirements for one or more of several types of credentials: kindergarten-primary; general elementary; junior high school; general secondary (high school); junior college; special credentials in art, music, business education, physical education, home economics, trade and industrial education.
A minimum of one year of graduate study after completion of the bachelor's degree is required for the general secondary credential. This graduate year must be completed in a university or the accredited graduate school of a college. The undergraduate work leading to the bachelor's degree may be completed in any accredited university, state college, or college.

For any of the credentials listed above, except the general secondary and junior college, the student must complete one semester of graduate study, if the requirements for the credentials are completed at the University of California. If the requirements are completed at a State College, it is possible at the same time to work for the bachelor's degree, provided programs of studies are carefully planned.

Universities and State Colleges differ somewhat in their requirements. The most significant difference is in the field of foreign language. Sixteen units in not more than two foreign languages (high school and college combined) are required by universities at the end of sophomore year. State colleges require only two years of high school foreign language or their equivalent (Fresno) or no foreign language (San Jose, San Francisco).

A. General Elementary Credential or Kindergarten-Primary Credential.

The following program of courses is suggested for junior college students working toward these credentials.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Units</th>
<th>Second Year</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1-2</td>
<td>3</td>
<td>Psychology 1-2 or 5</td>
<td>3</td>
</tr>
<tr>
<td>Botany 1 - Zoology 1</td>
<td>4</td>
<td>History 5</td>
<td>3</td>
</tr>
<tr>
<td>History 1-2</td>
<td>3</td>
<td>Political Science 5</td>
<td>2</td>
</tr>
<tr>
<td>Social Science or</td>
<td>3</td>
<td>Geography 1-</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>3-4</td>
<td>Geology 1</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>2-2</td>
<td>Art 3-4</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>½</td>
<td>Speech 3 - Hygiene 1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>½</td>
<td>Music 3-4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physical Education</td>
<td>½</td>
</tr>
</tbody>
</table>

| Total                       | 16½   | Total                        | 15½   |

B. General Secondary Credential or Junior College Credential or Junior High Credential.

Students planning to secure one of these three teaching credentials should follow the program of studies outlined for the major field in which they wish to teach. Psychology 1-2 should be included. In general, the first two years of training may be completed in Glendale College.

C. All other Credentials.

A student desiring to secure one of the other types of credentials is advised to secure a catalog of the institution to which he expects to transfer. The requirements laid down for the credential should be followed precisely.
D. Emergency Credentials.

California is in need of qualified teachers, especially on the elementary level. In order to meet the need, emergency or temporary credentials are being granted to junior college graduates who subsequently complete one semester or summer term of special courses in a teacher training institution. Students should consult their counselors regarding particulars.

42 Zoology (In the College of Letters and Science)

Students planning to major in this field should follow the Letters and Science Curriculum (Number 23). In addition, the following subjects should be included:

Required: Zoology 1, 2; Chemistry 1, Chemistry 2 or 5.

Recommended: Chemistry 2, 5, 6; French, German; Elementary courses in other biological science and physical sciences.
COURSES AND THEIR CONTENT

Each course in each department is designated by a number. The title of the course follows. If a course is identified by a number and a letter—i.e., Aviation 1A, Aviation 2B—the letter indicates only a part of the entire course numbered 1 or 2.

Glendale College gives unit credit for parts of courses so numbered.

The credit value of each course is indicated for each semester by a number in parentheses following the title. For example, a (3) indicates that the course is a one-semester course and carries three units of credit. A (3.3) indicates that the course is a continuation course carrying three units of credit for each semester of two consecutive semesters.

Whether or not all courses described below will be offered during the present academic year will depend on the student enrollment.

ACCOUNTING

See Economics 14-15, Commerce 21-22

ANATOMY

31 Introductory Anatomy (4)

A laboratory course in the structure of the human body. By the dissection of a mammal and the use of charts and models the various human systems are illustrated. This course is required for pre-nursing students, elective for others. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: Physiology 31 or Zoology 1.

ARCHITECTURE

1 Instrument Drawing (3)

Training in manipulation of instruments and in the fundamental prerequisite to work in engineering. Students with high school credit in mechanical drawing may not take this course for credit.

3 Descriptive Geometry (2)

An applied science treating of graphic representation of lines, planes, surfaces, and solids. Excellent training in visualization. For students in Art, Architecture, Mechanical, Mining and Civil Engineering. Prerequisite: Architecture 1.
9-10 Architectural Drafting (5-5)

Skill development based on fundamentals of manipulation and care of drafting instruments, lettering, line work, use of symbols and conventions, freehand sketching, blue print reading, measured and scale detailing. A study of stock material and equipment sizes, types of frame construction, building codes and styles as related to residential usage. Field trips to current jobs.

11-12 Advanced Architectural Drafting (5-5)

Training in presentation media, detailing of structural framing and materials for erection of a building, use of building codes and specifications with reference to fireproof types of construction. Study of physical properties and strength of materials on practical job application of completed sets of working drawings. Field trips to current construction jobs. Prerequisite: Architecture 9 and 10.

17-18 Interior Architecture and Decoration (3-3)

Basic planning of architectural interiors and application of period and contemporary furnishings. Practical treatments of interior construction, cabinet work, materials, sources of supply and costs. Field trips to stores and decorators' studios. Prerequisite: Art 3, Art 5, or consent of instructor.

23—Industrial Design (2)

A course involving the application of design principles to three-dimensional problems. It makes use of building materials which are incorporated in practical problems by applying them to abstract designs. Design principles are applied to architectural interior arrangements and furnishings. Prerequisite: Art 3 and 4. Art 4 may be taken concurrently.

ART

1-2 History of Art (3-3)

A study of art from prehistoric man to the present day. Art 1 includes the periods from Primitive through Gothic. Art 2 consists of the periods from Gothic through Modern, and includes the art history of the Orient. Either semester may be taken first.

3-4 Design and Color (2-2)

A study of space and color relationships and their application. Parallels University of California at Los Angeles Art 2A-2B.

5-6 Freehand Drawing (2-2)

A study of outlines of objects, their structure, shadows, space relationship, and grouping. The study of texture, trees, shrubbery, houses, landscapes, with interpretations in pencil or other media. Parallels University of California at Los Angeles Art 4A-4B.

7-8 Life—Elementary (2-2)

Drawing from life to develop the ability to construct the figure, study of the shapes, proportions, and structural relations of the skeletal masses; the balance of weights and supports in a moving figure. Introductory study of muscle masses. Prerequisite: Art 3 and 5, which may be taken concurrently.

9-10 Life—Advanced (2-2)

Drawing from life to develop the ability to use the figure creatively. Art 9 stresses a study of anatomy. Art 10 develops compositional treatment of the figure. Prerequisite: Art 7 and 8.

11-12 Water Color (2-2)

Painting of still life and landscape. Technique and composition are experienced through the medium of color. Useful in many fields, especially fine arts, applied arts, and architecture. Prerequisite: Art 3 and 5, a high school major in art, or consent of instructor.

13-14 Costume Design and Application

A course to develop design, line, balance, and color as applied to modern fashion trends for the individual. Prerequisite: Costume Design taken in high school or Art 3 and 4, which may be taken concurrently.

19-20 Oil Painting (2-2)

Development of skill, technique, and composition in oil painting. Prerequisite: Art 5 or equivalent. Art 5 may be taken concurrently.

21 History of Costume (2)

A study of the costumes worn by men and women during the various periods of history, with particular emphasis on its application to dramatic productions.

23-24 Applied Design (2-2)

An opportunity for the student to "learn by doing." Designs for specific objects are conceived by the student and then applied to the material selected. Some of the materials used are leather, thermo-plastics, and textiles. A very practical course, which can be the basis for either a business or a professional career. Prerequisite: A major in high school art or consent of instructor.

25 Pen and Ink (2)

Facility in the use of this medium to prepare the student for work in the fields of animation and newspaper illustration, and fine arts expression. Prerequisite: Art 5 and 6. Art 6 may be taken concurrently.
9-10 Architectural Drafting (5-5)

Skill development based on fundamentals of manipulation and care of drafting instruments, lettering, line work, use of symbols and conventions, freehand sketching, blue print reading, measured and scale detailing. A study of stock material and equipment sizes, types of frame construction, building codes and styles as related to residential usage. Field trips to current jobs.

11-12 Advanced Architectural Drafting (5-5)

Training in presentation media, detailing of structural framing and materials for erection of a building. Use of building codes, specifications, and techniques of fireproof construction. Study of physical properties and strength of materials on a practical job application. Field trips to current construction projects. Prerequisite: Architectural 9 and 10.

17-18 Interior Architecture and Decoration (3-3)

Basic planning of architectural interiors and application of period and contemporary furnishings. Practical treatments of interior construction, cabinet work, materials, sources of supply and costs. Field trips to stores and decorators' studios. Prerequisite: Art 3, Art 5, or consent of instructor.

23—Industrial Design (2)

A course involving the application of design principles to three-dimensional problems. It makes use of building materials which are incorporated in practical problems by applying them to abstract designs. Prerequisite: Art 3 and 4. Art 4 may be taken concurrently.

ART

1-2 History of Art (3-3)

A study of art from prehistoric man to the present day. Art 1 includes the periods from Primitive through Gothic. Art 2 consists of the periods from Gothic through Modern, and includes the art history of the Orient. Either semester may be taken first.

3-4 Design and Color (2-2)

A study of space and color relationships and their application. Parallels University of California at Los Angeles Art 2A-2B.

5-6 Freehand Drawing (2-2)

A study of outlines of objects, their structure, shadows, space relationships, and grouping. The study of texture, trees, shrubbery, houses, landscapes, with interpretations in pencil or other media. Parallels University of California at Los Angeles Art 4A-4B.

7-8 Life—Elementary (2-2)

Drawing from life to develop the ability to construct the figure. Study of the shapes, proportions, and structural relations of the skeletal masses; the balance of weights and supports in a moving figure. Introductory study of muscle masses. Prerequisite: Art 5 and 5, which may be taken concurrently.

9-10 Life—Advanced (2-2)

Drawing from life to develop the ability to use the figure creatively. Art 9 stresses a study of anatomy. Art 10 develops compositional treatment of the figure. Prerequisite: Art 7 and 8.

11-12 Water Color (2-2)

Painting of still life and landscape. Technique and composition are experienced through the medium of color. Useful in many fields, especially fine arts, applied arts, and architecture. Prerequisite: Art 3 and 4, a high school major in art, or consent of instructor.

13-14 Costume Design and Application

A course to develop design, line, balance, and color as applied to modern fashion trends for the individual. Prerequisite: Costume Design taken in high school or Art 3 and 4, which may be taken concurrently.

19-20 Oil Painting (2-2)

Development of skill, technique, and composition in oil painting. Prerequisite: Art 5 or equivalent. Art 5 may be taken concurrently.

21 History of Costume (2)

A study of the costumes worn by men and women during the various periods of history, with particular emphasis on its application to dramatic productions.

23-24 Applied Design (2-2)

An opportunity for the student to "learn by doing." Designs for specific objects are conceived by the student and then applied to the materials selected. Some of the materials used are leather, thermo-plastics, and textiles. A very practical course, which can be the basis for either a business or a professional career. Prerequisite: A major in high school art or consent of instructor.

25 Pen and Ink (2)

Facility in the use of this medium to prepare the student for work in the fields of animation, newspaper and magazine illustration, and fine arts expression. Prerequisite: Art 5 and 6. Art 6 may be taken concurrently.
27-28 Caricature and Quick Sketch (2-2)

Expression of emotions, attitudes, and characteristics. The use of exaggeration. Planning and drawing the comic strip. Study of action and expression by means of the quick sketch. Prerequisite: Art 3.

31 Art Survey (3)

Line, color, form, light, volume, space, time, and texture. Art terminology and the use of this vocabulary. Fully illustrated and demonstrated wherever possible by motion pictures, color photography, slides, collections of art objects, guest speakers, and guest artists. Outside lectures and exhibitions are assigned.

33 Freehand Sketching (1)

For engineers, science majors, salesmen, and many others who will find this course to be the answer to a definite need—that of sketching quickly and accurately in order to convey an idea. It teaches how to draw in correct outline and proportion for descriptive purposes only. Art majors may not take this course for credit.

34 Lettering (1)

Fundamentals of lettering. Emphasis on the use of the "single stroke" alphabet. This alphabet is used by architects and with its variations may be applied to greeting cards and decorative lettering. It is particularly useful in the science laboratory or in any other place when neat captions or notes must be quickly made. This course is a foundation for more advanced work in the art department and is required for all art majors.

35-36 Advertising Art—Elementary (2-2)

Fundamental forms and their structure, spacing, and application in advertising art. The adaptation of lettering to layouts, package design, and posters. Prerequisite: Art 3 and 5, which may be taken concurrently.

37-38 Advertising Art—Advanced (2-2)

Advertising art in all its various phases: book jackets, magazine pages and covers, design for industrial use, billboards, show cards, etc. Prerequisite: Art 35 and 36.

45-46 Perspective (2-2)

A thorough course in technical perspective. Drawing of various type objects and their shadows; rendering in various media: "sketching in" of landscape backgrounds, foregrounds, and people. A basic course for work in animation and for production illustration. Prerequisite: Art 5, 6, and 11, or consent of instructor. Art 6 and 11 may be taken concurrently.

ASTRONOMY

1 Elements of Astronomy (2)

An introductory, descriptive course in the fundamental facts of the universe, presented as far as possible in non-technical language. The development of the sidereal universe is explained by lectures, field trips to observatories, and constellation and telescopic studies.

AVIATION

1 Private Pilot Course (3)

(35-40 hours of flying)

Designed for those students who wish to fly in order to make them more proficient in occupations allied to flying, and for those who wish to learn to fly for personal pleasure and achievement. This course prepares for C.A.A. Private Pilot License. (Class meets at airport.)

2 Commercial Pilot Course (5)

(180-165 hours of flight training)

Designed for those who wish to make flying their career. First 35-40 hours of flight training are identical with those of the Private Pilot Course. This course prepares for C.A.A. Commercial Flight License. (Class meets at airport.)

3 Flight Instructor Rating Course (3)

Designed for commercial pilots who wish to qualify for the C.A.A. Flight Instructor Rating. (Class meets at airport.)

4 Instrument Rating Course (3)

Designed for commercial pilots who wish to qualify for the C.A.A. Instrument Rating. (Class meets at airport.)

10 Introduction to Aviation (3)

Designed for those wishing to study for Private Pilot License and those who wish to enter any phase of aviation. It deals with Civil Air Regulations, Theory of Flight, Maneuvers, Basic Instruments of Flight, General Service of Aircraft, through Piloting in Navigation, and a brief study of Weather and Weather Maps.

11 Navigation—Pilotage and Dead Reckoning (2)

Designed for those who wish to study beyond Private Pilot License. The course includes brief study of Navigation by visual reference to the ground and thorough study of aerial charts. Stressed are the methods of obtaining the position of aircraft by keeping accounts of directions and distances traveled. Fundamentals of Radio Navigation are introduced.

*Probably will not be offered in 1947-48.
ASTRONOMY

1 Elements of Astronomy (2)

An introductory, descriptive course in the fundamental facts of the universe, presented as far as possible in non-technical language. The development of the sidereal universe is explained by lectures, field trips to observatories, and constellation and telescopic studies.

AVIATION

1 Private Pilot Course (3)
(35-40 hours of flying)

Designed for those students who wish to fly in order to make them more proficient in occupations allied to flying, and for those who wish to learn to fly for personal pleasure and achievement. This course prepares for C.A.A. Private Pilot License. (Class meets at airport.)

2 Commercial Pilot Course (5)
(160-165 hours of flight training)

Designed for those who wish to make flying their career. First 85-40 hours of flight training are identical with those of the Private Pilot Course. This course prepares for C.A.A. Commercial Flight License. (Class meets at airport.)

3 Flight Instructor Rating Course (3)

Designed for commercial pilots who wish to qualify for the C.A.A. Flight Instructor Rating. (Class meets at airport.)

4 Instrument Rating Course (3)

Designed for commercial pilots who wish to qualify for the C.A.A. Instrument Rating. (Class meets at airport.)

10 Introduction to Aviation (3)

Designed for those wishing to study for Private Pilot License and those who wish to enter any phase of aviation. It deals with Civil Air Regulations, Theory of Flight Maneuvers, Basic Instruments of Flight, General Service of Aircraft, through Pilotage in Navigation, and a brief study of Weather and Weather Maps.

11 Navigation—Pilotage and Dead Reckoning (2)

Designed for those who wish to study beyond Private Pilot License. The course includes brief study of Navigation by visual reference to the ground and thorough study of aerial charts. Stressed are the methods of obtaining the position of aircraft by keeping accounts of directions and distances traveled. Fundamentals of Radio Navigation are introduced.

*Probably will not be offered in 1947-48.
12 Meteorology (2)

Designed for those who wish to study beyond Private Pilot License. Elementary study of the basic principles of Meteorology is made, emphasis being placed on physical laws that operate in the atmosphere, particularly as they affect aircraft in flight. Weather maps and their interpretation are stressed.

13 Aircraft Power Plants (2)

Designed for those who wish to study beyond Private Pilot License. A detailed study of the fundamentals of power plants is made: operation, output factors, carburetion, fuels, lubrication and lubricants. Practical problems the pilot faces in regard to his engine are stressed.

14 Aircraft Structure and Aerodynamics (2)

Designed for those who wish to study for Commercial and Instructor Flight Ratings. Included are detailed study of aircraft structure, maintenance, and servicing; elementary study of aerodynamics as it applies to flight maneuvers. This course meets C.A.A. requirements for Commercial and Instrument Ratings.

15 Flight Instruction Technique (2)

Designed for those who wish to qualify as flight instructors. The study includes instruction, voice technique, gosport speaking, and Link instruction. The course prepares for C.A.A. flight instructor written examination. Prerequisite: Aviation 1 and 2 or equivalent.

16 Radio Navigation (3)

Designed for those who continue flight training beyond Private and Commercial Pilot license. Included is a basic Link Trainer course of 18 hours. The course prepares the student for the C.A.A. instrument examination. A detailed study of aircraft radio instruments, radio orientation, beam flying, and standard instrument approaches. Prerequisite: Aviation 1, 2 and 3 or equivalent.

21-22-23 Airplane Engine Servicing (8-8-8)

Practical and theoretical instruction on aircraft power plants, propellers, and their appliances; inspection, maintenance, and repair of same. Intensive instruction will be given in following fields: ignition, lubrication, carburetion, power plants, propellers, regulations (Civil Air Regulations), hand tools, and mechanical drawing. Five four-hour periods of shop and related training each week. One unit of credit is granted for each 45 hours of work.

25-26-27 Airplane Servicing (8-8-8)

Practical and theoretical instruction on aircraft structure and rigging, including the control systems, and aircraft appliances; inspection, maintenance, and repair of same. Intensive instruction will be given in the following fields: rigging and assembly; wood, fabric, covering and draping; sheet metal and welding; hydraulics; propellers; regulations
12 Meteorology (2)

Designed for those who wish to study beyond Private Pilot License. Elementary study of the basic principles of Meteorology is made, emphasis being placed on physical laws that operate in the atmosphere, particularly as they affect aircraft in flight. Weather maps and their interpretation are stressed.

13 Aircraft Power Plants (2)

Designed for those who wish to study beyond Private Pilot License. A detailed study of the fundamentals of power plants is made; operation, output factors, carburetion, fuels, lubrication and lubricants. Practical problems the pilot faces in regard to his engine are stressed.

14 Aircraft Structure and Aerodynamics (2)

Designed for those who wish to study for Commercial and Instructor Flight Ratings. Included are detailed study of aircraft structure, maintenance, and service; elementary study of aerodynamics as it applies to flight maneuvers. This course meets C.A.A. requirements for Commercial and Instrument Ratings.

15 Flight Instruction Technique (2)

Designed for those who wish to qualify as flight instructors. The study includes instruction, voice technique, gosport speaking, and written examination. Prerequisite: Aviation 1 and 2 or equivalent.

16 Radio Navigation (3)

Designed for those who continue flight training beyond Private and Commercial Pilot license. Included is a basic Link Trainer course of 18 hours. The course prepares the student for the C.A.A. instrument rating examination. A detailed study of aircraft radio instruments and procedures will be made. Prerequisite: Aviation 1, 2 and 3 or equivalent.

21-22-23 Airplane Engine Servicing (8-8-8)

Practical and theoretical instruction on aircraft power plants, propellers, and their appliances; inspection, maintenance, and repair of same. Intensive instruction will be given in following fields: ignition, lubrication, carburetion, power plants, propellers, regulations (Civil Air Regulations), hand tools, and mechanical drawing. Five and one-half hours of shop and related training each week. One unit of credit is granted for each 45 hours of work.

25-26-27 Airplane Servicing (8-8-8)

Practical and theoretical instruction on aircraft structure and rigging, including the control systems, and aircraft appliances, inspection, the following fields: rigging and assembly; wood, fabric, covering and draping; sheet metal and welding; hydraulics; propellers; regulations (Civil Air Regulations); hand tools; and mechanical drawing. Five four-hour periods of shop and related training each week. One unit of credit is granted for each 45 hours of work.

31 Introductory Bacteriology (4)

The nature, occurrence, classification, and bio-chemical activities of bacterial diseases and preventive practices; disease and immunity, sanitary applications; bacteriology in food and disease; commoner bacterial disease and preventive practices; disease and immunity. Laboratory work includes routine techniques, identification, growth characteristics, and microscopic study of important type organisms and pathogens. This course is required for pre-nursing students, elective for others. Prerequisite: High school physiology or chemistry. Physiology 31 is recommended.

BIOLOGY

1 Fundamentals of Biology (3)

Important principles of biology illustrated by studies of structure and activities of living organisms, both plants and animals. Students who have taken or are taking Botany 1 or Zoology 1 may not take this course for credit. No prerequisites. Parallels University of California at Los Angeles Biology 1 and University of California Zoology 10.

BOTANY

1-2 General Botany (4-4)

A survey of fundamental biology facts and principles as illustrated by plant life. The properties and activities of protoplasm, the structure and function of the cell and of the principal tissues and organs of flowering plants, reproduction, and the mechanism of inheritance. The evolution of the plant kingdom, dealing with the comparative morphology of all the great plant groups. Two hours of lecture and two three-hour laboratory periods each week. Botany 2 may be taken before Botany 1 with consent of instructor. Parallels University of California Botany 1A-1B.

CHEMISTRY

1-2 General Chemistry (5-5)

A course of fundamental chemistry designed to set forth the most important facts and theories with which chemistry is concerned. Basic laws are stressed. Three hours of lecture and two three-hour laboratory periods each week. Prerequisite: Admission to Chemistry 1 will be determined by the student's scholastic achievement in high school chemistry, physics, and/or trigonometry, and by grade on aptitude test. Parallels University of California Chemistry 1A-1B.
3-4 Quantitative Analysis (3-3)

The principles and methods of quantitative chemistry. Large numbers of illustrative problems are solved. Applications to industrial chemistry are studied. Chemistry 5-4 should be elected by pre-medical students and all students majoring in chemistry, physics, pharmacy, mining engineering and metallurgical or petroleum engineering. One hour of lecture and two three-hour laboratory periods each week. Prerequisite: Chemistry 1 and 2 with a grade of "C" or better. Parallels University of California at Los Angeles Chemistry 6A-6B.

5-6 Organic Chemistry (3-3)

Lectures, recitations, laboratory work, and problems in an introductory study of the compounds of carbon. Chemistry 5-6 should be taken by pre-medical students, and all students majoring in chemistry, petroleum engineering, sanitation and municipal engineering, and pharmacy. For Chemistry 5, two hours of lecture and two two-hour laboratory periods each week; for Chemistry 6, one hour of lecture and two three-hour laboratory periods each week. Prerequisite: Chemistry 1 or 2 or 11 and 12 with grade of "C" or better. Parallels University of California at Los Angeles Chemistry 8-9.

11-12 Elements of Chemistry (4-4)

An intermediate course in fundamental college chemistry in which the descriptive phases are emphasized. This course should be elected by all physical education and home economics majors, and by those desiring a cultural knowledge of scientific matters. Chemistry 11-12 can be taken in partial fulfillment of the Lower Division requirement in science at the University of California. Three hours of lecture and recitation and one three-hour laboratory period each week. Prerequisite: Elementary algebra and plane geometry. Parallels University of California at Los Angeles Chemistry 2A-2B as given prior to 1945-46.

15-16 Organic, Medical, and Food Chemistry (3-3)

A course in instruction in the chemistry of carbohydrates, fats, proteins, body tissues, body secretions, medical and pharmaceutical products. Blood and urine analysis. Recommended for nurses, for home economics and physical education majors. One hour of lecture and two three-hour laboratory periods each week. Prerequisite: Chemistry 1 and 2 or 11 and 12. Parallels University of California at Los Angeles Chemistry 10 for 4 units and includes also 2 units of instruction in medical and clinical chemistry.

41 Introductory Chemistry (5)

An introductory course in general chemistry, including fundamental laws and principles, with chief emphasis on application to nursing. Reference is made to descriptive, industrial, and home chemistry. This course satisfies requirement for nurse's training and should be elected by students who lack previous training in algebra, geometry, and high school chemistry or physics. Foundation course for either Chemistry 11 or 1. No prerequisite. Four hours of lecture and one three-hour laboratory period each week.

45-46 Biochemistry (3-3)

A study of the physiological chemistry of the body; the place of protein, carbohydrates, and fats in digestion; the role played by vitamins and hormones; the chemistry of blood and urine; and the caloric value of foods. Sufficient laboratory technique is acquired by the student to undertake office and laboratory work in the medico-dental field. A course similar to Chemistry 15-16 in subject matter but designed and treated particularly for students enrolled in the Laboratory Technician Curriculum. One hour of lecture and two three-hour laboratory periods each week. Prerequisite: High school chemistry or consent of instructor.

47-48 Chemical Apparatus (1-1)

Laboratory work in designing and constructing apparatus for chemical lecture demonstrations. Three hours each week. Prerequisite: Consent of instructor.

COMMERCE

Bookkeeping (Commerce 21-22 or Economics 14-15) is deemed essential to all trainees. Proficiency in typing is essential to success in the shorthand (Commerce SA, SB, SC, SD, SE, SF) and Office Practice (Commerce SA, SB, SC, SD). Students enrolled in these courses must also register in typing unless they have already acquired a net speed of 60 words a minute. Such net speed (determined by both accuracy and speed) will be demonstrated by a standard ten-minute typing speed test given in a typing class, or by tests given at the beginning of each term. Placement in typing class will likewise be determined on the basis of the results of these tests, or high school achievement record.

1A Beginning Typing (3)

The basic essentials of typing designed to give the foundation for thorough training in typing. Open to all students.

1B Intermediate Typing (3)

Continuation of Commerce 1A. Emphasis is placed upon usable copy, business letters, reports, and tabulation work. Prerequisite: Commerce 1A or a net speed of 20 to 40 words a minute.

1C Advanced Typing (2)

Advanced typing is vocational, and the standards are set in terms of business demands. Emphasis is placed on speed and accuracy in doing professional work. Prerequisite: Commerce 1B or a net speed of 40 to 50 words a minute.

1D Advanced Typing (2)

Continuation of Commerce 1C. A complete review of business letters and business forms. A study of legal forms and rough drafts. Prerequisite: Commerce 1C or a net speed of 51 to 60 words a minute.
45-46 Biochemistry (3-3)

A study of the physiological chemistry of the body; the place of protein, carbohydrates, and fats in digestion; the role played by vitamins and hormones; the chemistry of blood and urine; and the calorific value of foods. Sufficient laboratory technique is acquired by the student to undertake office and laboratory work in the medico-dental field. A course similar to Chemistry 15-16 in subject matter but designed and treated particularly for students enrolled in the Laboratory Technician Curriculum. One hour of lecture and two three-hour laboratory periods each week. Prerequisite: High school chemistry or consent of instructor.

47-48 Chemical Apparatus (1-1)

Laboratory work in designing and constructing apparatus for chemical lecture demonstrations. Three hours each week. Prerequisite: Consent of instructor.

COMMERCE

Bookkeeping (Commerce 21-22 or Economics 14-15) is deemed essential to all trainees. Proficiency in typing is essential to success in Shorthand (Commerce 3A, 3B, 3C, 3D, 3E, 3F) and Office Practice (Commerce 5A, 5B, 5C, 5D). Students enrolled in these courses must also register in typing unless they have already acquired a net speed of 60 words a minute. Such net speed (determined by both accuracy and speed) will be demonstrated by a standard ten-minute typing speed test given in a typing class, or by tests given at the beginning of each term. Placement in typing class will likewise be determined on the basis of the results of these tests, or high school achievement record.

1A Beginning Typing (3)

The basic essentials of typing designed to give the foundation for thorough training in typing. Open to all students.

1B Intermediate Typing (3)

Continuation of Commerce 1A. Emphasis is placed upon usable copy, business letters, reports, and tabulation work. Prerequisite: Commerce 1A or a net speed of 26 to 40 words a minute.

1C Advanced Typing (2)

Advanced typing is vocational, and the standards are set in terms of business demands. Emphasis is placed on speed and accuracy in doing professional work. Prerequisite: Commerce 1B or a net speed of 41 to 50 words a minute.

1D Advanced Typing (2)

Continuation of Commerce 1C. A complete review of business letters and business forms. A study of legal forms and rough drafts. Prerequisite: Commerce 1C or a net speed of 51 to 60 words a minute.
3A Shorthand (5)

An intensive course in shorthand covering theory and transcription. Fundamentals of shorthand are mastered and emphasis is placed on correct writing technique.

3B Intermediate Shorthand (5)

Continuation of Commerce 3A. Dictation, transcription, and a review of theory. This course is designed to train stenographers to meet the demands of the business world. Typing must be taken concurrently unless student can type 60 words a minute. Prerequisite: Commerce 3A or one year of high school shorthand.

3C-D-E-F Advanced Shorthand (4-4-3-3)

A thorough review with emphasis placed upon short cuts and phrase-writing. Individual work in shorthand speed and transcription speed. Typing must be taken concurrently unless student can type 60 words a minute. Prerequisite: Commerce 3C, 80 word certificate; Commerce 3D, 100 word certificate; Commerce 3E, 120 word certificate; Commerce 3F, 130 word test.

5A-5B Office Practice (4-4)

A course devoted to secretarial practice, office methods, and office procedures. A study is made of business and office organizations, the duties of various types of office workers, and the basic systems of filing: alphabetic, geographic, subject, and numeric. This course teaches the operation of the machines found in the modern business office, such as the Comptometer, Monroe, Dictaphone, Mimeograph, and Ditto. Considerable time is devoted to business etiquette, the development of desirable personality traits, and qualifications of office workers. Students may enroll in Commerce 5B without having taken Commerce 5A. Typing must be taken concurrently unless student can type 60 words a minute.

5C-5D Advanced Office Practice (2-2)

In this course a high degree of skill in office procedures and speed in machine calculation is developed. In addition to individual projects, students complete a set of Visible Kardex records of prospects, job analyses, sales analyses, purchases, etc. Miniature filing sets are used in learning methods of filing, including direct alphabetic index, Variadex alphabetic, numeric, triple-check automatic index, geographic, and subject correspondence. Either semester may be taken first. Typing must be taken concurrently unless student can type 60 words a minute. Prerequisite: Commerce 5A and Commerce 5B.

15 English for Business (3)

A course designed to help secretarial and commerce students overcome deficiencies in grammar, punctuation, spelling, and diction—those defects which hinder young men and women entering the business world in expressing their thoughts effectively and concisely or in transcribing their shorthand notes correctly.
16 Writing in Business (3)

A course designed to help students acquire proficiency in writing business letters and reports, particularly to train them for positions as correspondence, order, and adjustment clerks. Individual supervision is given in the writing of letters of application, order, adjustment, credit, collection, and sales; and in planning and executing direct mail selling campaigns.

21-22 Bookkeeping (4-4)

An introductory course in bookkeeping and record keeping. It includes study of the accounting equation; theory of debit and credit; classification of accounts; procedure of recording transactions in modern accounting devices; working papers and business forms; preparation of balance sheets and profit and loss statements, but practice problems and sets are emphasized more than theory. Students meeting entrance requirements for the University of California should enroll in Economics 14-15. Prerequisite: A year of high school bookkeeping with a grade of “A” or “B.”

27-28 Bookkeeping—Applied (3-3)

Theory and practice of budgetary accounting including controlling accounts and subsidiary ledgers. Practical experience in Student Accounting Office: receipt and disbursement of money and preparation of vouchers therefor including analysis of transactions; transactions with bank including making deposits, writing checks, and reconciling account; recording transactions, posting and proving cash, balance of bank account, general and subsidiary ledgers daily; and preparation of reports and financial statements. Problems related to tax reports (sales, payroll, admission and property taxes) and insurance (workmen’s compensation, fire and theft). Prerequisite: Economics 14-15, Commerce 21-22, or a year of high school bookkeeping with a grade of “A” or “B.”

29 Business Mathematics (2)

An intensive course in the fundamentals of arithmetic, designed to assist the clerical, secretarial, and accounting student in preparing for a successful career. Students are assigned practical problems and exercises to develop speed and accuracy. Special consideration will be given to interest, discounts, partial payments, taxes, and insurance problems.

31 Principles of Marketing (3)

A general course intended to acquaint the student with the activities, the middlemen, and the business practices involved in the moving of goods from farms, factories, and mines to the ultimate consumers. The course deals with the problems of wholesalers, retailers, transportation companies, warehouses, and cooperatives. Consumer protection, analyses of marketing costs, establishment of sound sales policies and methods will be emphasized.
32 Store Management and Merchandising (3)

Problems concerning the person who wishes to organize and operate a small store, the store manager, or a department buyer. Plans for financing; selection of location; corporation versus partnership; selection and training of employees; merchandising policies; what, when, and where to buy; problems of markup, markdown, turnover, stock control, inventory methods, layout, advertising, and display.

33 Salesmanship (2)

A salesmanship class in which each student selects an article or sales proposition, makes a careful study of it, and presents it before the class to a qualified prospect. His methods of approaching the prospect, demonstrating his goods, and closing his sale are discussed or criticized with a view toward perfecting his selling technique. Successful salesmen are invited to give demonstrations of how sales actually are made. Fundamental principles of retail, wholesale, and specialty selling are given in sufficient detail to fit the student for an apprenticeship position in any of these fields, whether it be selling ideas, services, or goods.

34 Advertising (2)

Principles and practices of advertising including purpose, copy, layout, mechanics, and media. Stress is laid on copy appeals, types of copy, and suggestions for developing of copy. The purpose of this course is to give the merchandising and advertising art student a general knowledge of advertising and the psychology behind advertising that gets results.

35 Supervised Retail Selling (4)

The ideal way for a salesperson to develop skill after he has studied the theory of selling is to work at an actual selling job. In this course the student spends two class hours each week in discussion of retail sales problems and in addition works five hours each week in the Student Cooperative Bookstore or in an approved business establishment. The student is closely supervised on the job by the instructor and the bookstore manager. He learns to order, check in supplies, mark goods for sale, operate the cash register, take inventory, arrange displays, return goods, and sell satisfactorily. Prerequisite: Commerce 32 or consent of instructor.

36 Advanced Supervised Retail Selling (2)

A continuation of actual experience in retail selling in the Student Cooperative Bookstore or in an approved business establishment. Students are required to spend each week five hours in selling operations and one-half hour in class discussion. Prerequisite: Commerce 35.

37 Textiles (2)

A study of textile fabrics, fibres, and processes. Students become familiar with the physical properties of cotton, wool, silk, linen, and acetates by analyzing and testing samples of materials. Class discussions,
individual research projects, demonstrations, and lectures by experts in the fields of merchandising, clothing, costume design, commercial art, color and design.

38 Non-Textiles (2)

A study of leather, fur, metals, woods, porcelains, and glass, and products made from these materials. Class discussions, individual research projects, demonstrations and lectures by experts. This course aims to familiarize the student with physical properties and values and to provide the related technical knowledge necessary for students planning to enter those fields of business in which such knowledge is essential.

41 American Financial Institutions (2)

A course designed to help the young man and woman secure employment with investment banking houses, commercial banks, finance companies, stock and commodity exchanges, and securities dealers. The study of the American monetary system and of the history of American financial institutions provides much of the vocational background. Lectures, class discussions, problems, and reports.

42 Investments (2)

A course assisting the student to prepare for a position with a brokerage company or a stock and bond exchange. The functions and operations of those institutions and their terminology, vocational opportunities and requirements. Individual attention is given to those students having personal investment problems.

45 Managing Personal Finances (2)

Lectures, class discussions, problems, and reports on making effective use of family income, including a study of ways to save for major investments and for retirement. Purpose and operation of a household budget, records for tax purposes, intelligent buying, and an evaluation of the services of consumer research and product testing organizations. Special attention given to renting and buying a home; financing through building and loan associations, government guaranteed loans, and borrowing on mortgages from individuals. Types of property, health, and life insurance; selection of policies, choice of lump sum or other plans of claim settlement.

47-48 Industrial Organization and Management (2-2)

An appreciation of industrial organization, economics, government rules and regulations applied to industrial and labor relations. Included are advantages and disadvantages of various methods of organization: management policies and problems; establishment of compatible working relations; methods of selecting, testing, placing, and training; building morale; methods of giving orders, counseling; merit rating; wage analysis; safety and accident prevention; collective bargaining and employee representation.
Airline Transportation (3)

Development of air transportation; commercial airplanes; organization and functions of an airline; regulations; airline routes in U.S.A. and the world; schedules and services; financing, revenue sources, and potential operating overhead. Importance of airports and airways, advertising and public relations are stressed.

ECONOMICS

1-2 Principles of Economics (3-3)

An introductory course dealing with fundamental principles of economics, value, price, wealth, wages, population, public finance, transportation, monopoly, foreign trade, and social welfare. An attempt is made to give the student an approach to the economic problems of the day with an intelligent appreciation of the factors which make for sound public policy. Prerequisite: Second-semester standing; sophomore standing preferred. Parallels University of California Economics 1A-1B.

14-15 Principles of Accounting (4-4)

Accounting equation, theory of debit and credit, classification of accounts, procedure of recording transactions in modern accounting devices, preparation and analysis of balance sheets and profit and loss statements. Students not meeting entrance requirements for the University of California should enroll in Commerce 21-22. Parallels University of California Business Administration 6A-6B.

ENGINEERING

1 Instrument Drawing (3)

Training in the manipulation of instruments and in the fundamental prerequisite to work in engineering. Students with high school credit in mechanical drawing may not take this course for credit.

2 Machine Drawing (3)

Design and delineation of simple machine parts in the drafting room, with special emphasis upon the production of drawings which conform with standard practice. Prerequisite: Engineering 1 or equivalent. Parallels University of California Mechanical Engineering 6.

3 Descriptive Geometry (2)

An applied science which treats of the graphic representation of lines, planes, surfaces, and solids. Excellent training in visualization. For students in Art, Architecture, Mechanical, Mining and Civil Engineering. Prerequisite: Engineering 1.

*Probably will not be offered in 1947-48.
5 Electrical Drafting (1)

The drafting of electrical circuits, lettering, tracing, and the arrangement of control devices. One three-hour drafting period each week. Prerequisite: Physics 29.

7 Sheet Metal Drawing (3)

Designing and delineation of sheet metal maps and structures, with special emphasis upon the production of drawings which conform with standard practice in industry. Prerequisite: Engineering 1 or equivalent.

8 Materials of Engineering Construction (2)

A study of the structural properties, behavior, and adaptability of metals and various building materials. Prerequisite: High school chemistry with a grade of "C" or better. Parallels University of California Civil Engineering 8.

11-12 Plane Surveying (3-3)

A course in the fundamentals of surveying for all students of engineering. The measurement of distances by pacing, chaining, and the stadia; the use of adjustment of Wye and Dumpy levels in differential leveling; the adjustment of the transit and its use in the measurement of angles in vertical and horizontal planes, prolonging lines, and the transit traverse. The computation and layout of horizontal and vertical curves. Topographical mapping with the transit and plane table. Observations on Polaris and the sun for latitude and azimuth. Prerequisite: Plane trigonometry and instrument drawing. Parallels University of California Civil Engineering 1A-1B.

41 Engineering Computations (1)

Lectures and instruction in the use of the slide rule. Mannheim, Log-log, log-log trigonometric slide rules will be explained and used in computation. Estimating, checking, and solving problems in computation will be required of the student.

ENGLISH

1-2 Freshman English (3-3)

A foundation course in writing and reading. In English 1, training in exposition; in English 2, assignments in exposition, narration, and description. Special attention is given to the study and analysis of various types of literature. Prerequisite: A satisfactory grade in Placement Test in English. Parallels University of California English 1A-1B.

5-6 Survey of English Literature (3-3)

A survey course covering the entire field of English literature from the beginnings to the present time. Required of all students whose major subject is English and open to all who have completed English 1-2. The chief objective of the course is to familiarize students with the movements, names, dates, and facts which have been significant in the de-
velopment of English literature and to provide a sound basis for further and more specialized study. Special consideration of the forms of literature is included. Prerequisite: English 1 and 2. Parallels University of California English 46A-46B.

8 The Modern Drama (2)

A study of modern plays and playwrights. Representative works of European and American dramatists are read, with special attention given to the literary and sociological importance of the plays written in the last half century. The aim of the course is to enable the student to make an intelligent evaluation of contemporary drama. Readings, reports, special assignments, and class discussions.

10 Shakespeare (2)

A comprehensive reading course including about fifteen of Shakespeare's plays. Lectures on the background of Elizabethan drama are given; class discussions follow the reading assigned. The course aims to provide a basic familiarity with the work of Shakespeare.

13 Introduction to World Literature (2)

A study of some masterpieces of world literature to provide a background for future reading. This course emphasizes the development of literary movements in relation to history. Extensive reading, class discussion, and lectures.

14 Modern American Literature (2)

A course designed to provide a wide reading experience in the significant American literature of the last fifty years. The important literary movements with their sociological implications are traced chronologically from the 1890's to the present day so that the student may have a background for critical judgment of contemporary American writing.

16 Modern Periodical Literature (2)

A brief historical survey of the development of the magazine, followed by extensive readings selected from current magazine articles. Especial attention is given to the various types of magazines, to aid the student in discovering the more authoritative and better ones. Readings, reports, discussions.

18 Independent Reading (2)

A general introduction to types of literature, followed by the reading of representative works. Special attention is given to the value of worth-while books, to aid the student in broadening his interest and increasing his understanding and enjoyment of literature. Readings, reports, discussions.

41 Remedial English (2)

A course to improve grammar, punctuation, sentence structure, and spelling. It should be elected by those who fail to make a satisfactory grade in the Placement Test in English.
42 Reading and Composition (2)

A course in reading and writing with special attention given to methods of improving speed and comprehension in reading and clarity in writing.

FRENCH

1 Elementary French (4)

Training in pronunciation with stress on smoothness and proper intonation. Essentials of grammar, conversation, and composition. Reading of elementary prose with some stress placed on French character and customs. Students who have completed two years of high school French may not take this course for credit unless either "D" grades were received in high school or at least two years have elapsed since the completion of last course in high school. Students who have had one and one-half years or less of high school French may take this course and receive full credit. Parallels University of California French 1.

2 Elementary French (4)

Continuation of French 1. Stress on correct use of verbs in conversation and writing, and accuracy of grammatical detail. Elementary syntax completed. Reading of intermediate texts and the reproduction of simple French. Prerequisite: French 1 or two years of high school French. Parallels University of California French 2.

3 Intermediate French (4)

A thorough review of grammar: composition, translation, and reading. Oral and written resumes to develop fluency and accuracy in idiomatic usage. Prerequisite: French 2 or three years of high school French. Parallels University of California French 3.

4 Intermediate French (4)

Continuation of French 3. Reading of more difficult material representative of the best in French thought. Free written composition and conversation. Prerequisite: French 3 or four years of high school French. Parallels University of California French 4.

GEOGRAPHY

1-2 Elements of Geography (3-3)

A development of the underlying principles of human geography through a study of the main features of the physical environment in their relationship to man’s economic, political, and social activities. Parallels University of California Geography 1-2.

31 World Geography (3)

A course designed to develop the ability to view peoples, nations, and theaters of current events in their appropriate environmental settings, and to observe, classify, and analyze problems in terms of local, regional, and global relationships.
32 Economic Geography (3)

Designed to give an understanding of the relation of physical factors and economic conditions to the production and distribution of the world’s leading commercial products. Special attention is given to the occupations of hunting, fishing, forestry, grazing, farming, mining, manufacturing, transportation, and trade.

GEOLGY

1-2 General Geology (3-3)

A general study of the earth, its minerals, rocks, structures, dynamic forces, and history. Geology 1 includes a study of the physical processes: erosion, vulcanism, earthquakes, etc. Geology 2 is concerned with the history of the earth throughout geologic time, the life types from the distant past, and the origin and location of economically important deposits. Parallels University of California Geology 1A-1B.

31 Mineral Industries (3)

A course concerned with the importance of minerals in modern life. The chief economic minerals, both metallic and non-metallic, are studied and practice is given in their identification. The physical, crystal, and optical properties of minerals in general are considered. The major emphasis of the course is placed on the practical application of minerals in mining and industry.

35 The Oil Industry (3)

A survey course in the production and refining of oil. Emphasis is placed on the essential uses of petroleum products in modern civilization, world and national production, the geological conditions under which oil occurs, the methods of drilling and production, and the principles underlying refining.

GERMAN

1 Elementary German (4)

Training in accurate pronunciation through daily drill; elementary grammar and sentence structure. Reading and reproduction of simple prose. Students who have completed two years of high school German may not take this course for credit unless either "D" grades were received in high school or at least two years have elapsed since the completion of the last course in high school. Students who have had one and one-half years or less of high school German may take this course and receive full credit. Parallels University of California German 1.

2 Elementary German (4)

Continuation of German 1. Completion of elementary grammar essentials. Reading and interpretation of prose of increasing difficulty. Conversation, dictation, composition. Some knowledge of German tradition and character in folk-lore; essential geographical and historical data concerning German peoples. Prerequisite: German 1 or two years of high school German. Parallels University of California German 2.

3 Intermediate German (4)

A review of elementary grammar. A study of word analysis, sentence structure, idioms, and composition. Intensive reading of modern prose and drama, with rapid reading of simple stories, plays, or science material. Prerequisite: German 2 or three years of high school German. Parallels University of California German 3.

4 Intermediate German (4)

Continuation of German 3. Reading and interpretation of more difficult prose. Increasing stress on conversation and free composition. Prerequisite: German 3 or four years of high school German. Parallels University of California German 4.

21 Introduction to German Conversation (3)

A course in elementary conversation, thorough drill on correct sounds, practical words, simple constructions of everyday speech. Words and their uses are taught as they are needed for each day's use.

HISTORY

1-2 History of Western Europe (3-3)

The growth of western European civilization from the decline of the Roman Empire to the present time. An introduction to the study of history, giving a general perspective of the development of those political, economic, and social institutions which explain our present day civilization. An attempt is made to orient the student's thinking on the present world problems. Parallels University of California History 4A-4B.

3-4 History of the Americas (3-3)

A general survey of the history of the Western Hemisphere from the discovery to the present time. The planning of the European civilization in the Western Hemisphere, the growth of the colonies of the different nations, colonial systems, the international contest for the continent, the wars of independence in English-America and Hispanic-America, the development of independent American republics, their relations with each other and with the rest of the world. Parallels University of California History 8A-8B. This course meets the California State requirement in American History.

5 United States History (2)

A brief study of the political, economic, and social history of the United States since 1763, designed to meet the California State requirement in American History.

*Probably will not be offered in 1947-48.
3 Intermediate German (4)

A review of elementary grammar. A study of word analysis, sentence structure, idioms, and composition. Intensive reading of modern prose and drama, with rapid reading of simple stories, plays, or science material. Prerequisite: German 2 or three years of high school German. Parallels University of California German 3.

4 Intermediate German (4)

Continuation of German 3. Reading and interpretation of more difficult prose. Increasing stress on conversation and free composition. Prerequisite: German 3 or four years of high school German. Parallels University of California German 4.

*21 Introduction to German Conversation (3)

A course in elementary conversation, thorough drill on correct sounds, practical words, simple constructions of everyday speech. Words and their uses are taught as they are needed for each day's use.

HISTORY

1-2 History of Western Europe (3-3)

The growth of western European civilization from the decline of the Roman Empire to the present time. An introduction to the study of history, giving a general perspective of the development of those political, economic, and social institutions which explain our present day civilization. An attempt is made to orient the student's thinking on present world problems. Parallels University of California History 4A-4B.

3-4 History of the Americas (3-3)

A general survey of the history of the Western Hemisphere from the discovery to the present time. The planning of the European civilization in the Western Hemisphere, the growth of the colonies of the different nations, colonial systems, the international contest for the continents, the wars of independence in English-America and Hispanic-America, the development of independent American republics, their relations with each other and with the rest of the world. Parallels University of California History 8A-8B. This course meets the California State requirement in American History.

5 United States History (2)

A brief study of the political, economic, and social history of the United States since 1765, designed to meet the California State requirement in American History.

*Probably will not be offered in 1947-48.
7-8 The History of Civilization (3-3)

The world in which we live today is explained through the study of the progress of civilization. Emphasis is placed upon the economic and social experiments attempted by Egypt, Greece, Rome, India, China, and Japan during ancient times. The modern world is analyzed by a study of those factors which tend to determine present world conditions: namely, Individualism, Christianity, Industrial Capitalism, Imperialism, Democracy, Republicanism, Dictatorship, etc. The survey will give the development of man’s achievement from prehistoric to present times, thus giving the student a perspective on past history and an interpretation of current world events.

12 Pacific Coast History (2)

A survey of the discovery, exploration, and settlement of Mexico, California, Oregon, Washington, and Alaska. Emphasis is placed upon development of their particular political, economic, and cultural institutions, along with their present day relationships with each other and the rest of the world, particularly the Orient. Parallels University of California at Los Angeles History 99.

17-18 History of the United States (3-3)

A history of American civilization. European backgrounds, the English colonies, the Revolutionary war, the Constitution, and the political history of the United States. Students who have received credit for History 5 should not enroll in History 17-18. Prerequisite: Sophomore standing. Parallels University of California History 17A-17B. This year course meets the requirements in the Constitution and American History.

21-22 Latin America (2-2)

A study of the influences of the Indians, the Spanish, the Portuguese, the English, and the Americans upon Latin America. Geographic, economic, and cultural phases are stressed. Special emphasis is placed on the relations between these areas and the United States of America, stressing contemporary problems. This course is designed for those students who are interested in Latin America and the problems arising from the penetration of western civilization but who do not care to major in history.

33-34 The Orient (2-2)

A study of the geographic, economic, and cultural backgrounds of Russia, China, and India with some attention to Japan and the islands of the Pacific. Special emphasis is placed on relations between these areas and the United States of America, stressing contemporary problems. This course is designed for students interested in the Orient and the problems arising from the penetration of Western Civilization, but who do not care to major in history.
HOME ARTS

1 The American Home (2)
American ideals in family life. Problems of home living. The art of entertaining is emphasized. Teas, luncheons, and dinners are served. A comparative study is made of customs and manners in foreign countries.

2 Home Furnishing (2)
Selection and arrangement of furniture, draperies, rugs, pictures, and decorative objects. Floor plans are made. A study is made of period furniture and decorative accessories.

3 Handicrafts (2)
The application of art principles in the following crafts: weaving, leather craft, book binding, wood carving, block printing, stenciling, knitting and braiding, and wool embroidery. A basic course for leaders in Camp Fire and Girl Scout organizations and for those interested in occupational therapy; a preparation for recreational aid to hospitals under the Red Cross program.

4 Advanced Handicrafts (2)
An advanced course in handicrafts.

11-12 Clothing (3-3)
Construction of garments, including sport clothes, afternoon and evening wearing apparel, and suits and coats. A study of pattern construction and clothing selection through the application of art principles of design and color. One hour of lecture and two three-hour laboratory periods each week. Either semester may be taken first. Parallels University of California at Los Angeles Home Economics 1A-1B.

16 Millinery Design and Construction (2)
Blocking and making of straw and felt hats to current styles and fashion trends. Making of fabric hats as accessory to costume; millinery design, trim, and construction.

17-18 Apparel Design (6-6)
The development of the block pattern and its application to all types of patterns. Designing and construction of blouses, skirts, dresses, formal dresses, children's clothing and crocheted items as used in California play clothes industries. Five three-hour periods each week. Prerequisite: Home Arts 11 and 12 or equivalents, which may be taken concurrently.

19-20 Advanced Apparel Design (6-6)
The designing and construction of suits, coats, and slacks, employing the hard and soft tailoring as applied to production of women's and children's garments. Five three-hour periods each week. Prerequisite: Home Arts 17 and 18 or equivalents.

*Probably will not be offered in 1947-48.
21-22 Elementary Food Study (3-3)

Food selection, preparation, service and preservation; study of recipes, their construction and substitutions; menu planning and meal preparation; emphasis on food value and cost. One hour of lecture and two three-hour laboratory periods each week. Either semester may be taken first. Prerequisites: High school chemistry or Chemistry II, which may be taken concurrently. Parallels University of California Home Economics IA-1B.

25 Elements of Nutrition (2)

A study of the principles of nutrition and their application to the problems of growth, physical development, and maintenance of health. The application of the scientific principles of nutrition to the individual and family group. This course meets the requirements for American Red Cross Standard Nutrition Certificate.

32 Marriage and Family Living (3)

Courtship and marriage. Learning to live together, money, children, conflicts and their resolution, relatives, family and community relations. Lectures, discussions, conferences with experts, readings, reports.

*33 Personality Clinic (2)

Manners and etiquette; social usage and customs; development of personality through clothing, adornment, conversation, and character; personality in the home, the church, business and social life. Lectures, consultations with experts, visitation, readings, laboratory projects.

41-42 Foods: Their Selection, Preparation, and Service (3-3)

A comparative study of the fundamental processes of cookery in relation to the problem of family meals, with the necessary study of cost. One hour of lecture and two three-hour laboratory periods each week. Either semester may be taken first.

*64 Child Growth and Development (2)

The care and training of children. This course includes the study of early training in food habits, play and recreation, parent-child relationship, discipline, home training for citizenship, and clothing for children.

*65 Home Management (2)

A systematic study of the problems of domestic management designed to meet the needs of students who will soon have homes of their own, and also for those who are working for their room and board. It deals with practical home problems, such as cleanliness and sanitation, modern equipment, meal planning and table service, time and money budgeting, relationship of employer and employee, and other subjects of special interest to the home maker.

*Probably will not be offered in 1947-48.

HYGIENE

1 Health Education (2)

A consideration of health and its effect on the quality of human life, the effect of exercise and fatigue, prevention in specific diseases, and the hygiene of the different body systems. Required of all students for graduation.

*4 Public Health and Sanitation (2)

A general survey of the field of public health in the United States, including a consideration of the causes and prevention of disease and disability; the conservation of infant and child life; the home, school, and industrial environment; the communicable and non-communicable diseases; mental hygiene; and present problems of public health. Specialists from the County Health Department address the class.

*10 First Aid (2)

A course including demonstration and explanation of First Aid methods by the instructor, followed by actual practice work by each student. The American Red Cross Standard First Aid Certificate will be awarded upon satisfactory completion of this course.

JOURNALISM

1 Introduction to Journalism (2)

An introductory course in journalism, designed to give the student an understanding of the modern newspaper with some practice in writing for publication.

2 Newspaper Reporting (2)

A study of the work of the reporter. Practice in news gathering, writing for publication.

11 Copy Reading (3)

By handling copy that is to appear in print, the student interested in writing has an opportunity in this course to prepare copy for publication and to correct the material of other writers. Study of the rules of punctation; practice in proofreading.

12 Newspaper Problems (3)

A practical course in journalism. Students enrolled in this course publish the college newspaper. Practical work in make-up and layout is designed to train those interested in the routine of publication.

*Probably will not be offered in 1947-48.
HYGIENE

1 Health Education (2)

A consideration of health and its effect on the quality of human life, the effect of exercise and fatigue, prevention in specific diseases, and the hygiene of the different body systems. Required of all students for graduation.

4 Public Health and Sanitation (2)

A general survey of the field of public health in the United States, including a consideration of the causes and prevention of disease and disability; the conservation of infant and child life; the home, school, and industrial environment; the communicable and non-communicable diseases; mental hygiene; and present problems of public health. Specialists from the County Health Department address the class.

10 First Aid (2)

A course including demonstration and explanation of First Aid methods by the instructor, followed by actual practice work by each student. The American Red Cross Standard First Aid Certificate will be awarded upon satisfactory completion of this course.

JOURNALISM

1 Introduction to Journalism (2)

An introductory course in journalism, designed to give the student an understanding of the modern newspaper with some practice in writing for publication.

2 Newspaper Reporting (2)

A study of the work of the reporter. Practice in news gathering, Writing for publication.

11 Copy Reading (3)

By handling copy that is to appear in print, the student interested in writing has an opportunity in this course to prepare copy for publication and to correct the material of other writers. Study of the rules of punctuation; practice in proofreading.

12 Newspaper Problems (3)

A practical course in journalism. Students enrolled in this course publish the college newspaper. Practical work in make-up and layout is designed to train those interested in the routine of publication.

*Probably will not be offered in 1947-48.
13-14 Magazine and Trade Publication
Writing and Editing (3-3)

Designed for students interested in working on trade papers, employee publications, and other types of periodicals. The first semester's work is planned to include instruction in the process of article writing. The second semester is planned to provide instruction in make-up layout and picture editing. Provision is made to give practical work in publication. Either semester may be taken first. Prerequisite: Eligibility requirement for English 1.

LAW

18-19 Commercial Law (3-3)

A practical course in the principles of law that affect business relations, including contracts, sales, agency, insurance, negotiable instruments, partnerships, corporations, security, real property, and wills. Special emphasis is placed on the study of the laws of California a person should know in order to take care of his everyday business.

31 Law for the Layman (3)
A survey of legal problems which confront people in their everyday life activities. Included in this course is a study of courts, trials, marriage and divorce, community property, wills, trusts, succession, mortgages, trust deeds, conditional sales, crimes, torts, homesteads, corporate security act, workmen's compensation act, and many other principles of business law.

LIBRARY SCIENCE

*1-2 Library Science (2-2)

An orientation course in the use of books and libraries for students who are interested in the field of librarianship as a vocation, and for students who are interested in knowing how to use books and libraries more effectively. It is designed to familiarize students with the tools, techniques, and responsibilities of this field. Practical experience in the routine of library is an important phase of the course.

MATHEMATICS

1 Intermediate Algebra (3)

Fundamental laws; curve plotting, linear equations, negative and fractional indices, quadratic equations, arithmetic and geometric progressions, the binomial theorem, and logarithms. Students who have two entrance units in algebra may not take this course for credit unless "D" grade was received in the second high school unit. Students who have one and one-half entrance credits in algebra may receive only two college units for this course. Prerequisite: One year of high school algebra.

*Probably will not be offered in 1947-48.

2 Trigonometry (3)

An elementary course in plane trigonometry and spherical right triangles with practical applications. Trigonometry functions, the right triangle, functions of multiple angles, trigonometric equations and identities, radians, inverse functions, the oblique triangle, logarithms, calculations, trigonometric analysis, and Napier's rule as used in solving spherical right triangles. A student who has completed a high school course in trigonometry will receive only one unit of credit for this course, however, if a "D" grade was received in high school, full credit will be granted. Prerequisite: High school plane geometry and either one and one-half years of high school algebra or Mathematics 1.

3 Plane Analytic Geometry (3)

A study of the equations representing the straight line, circle, ellipse, and other conic sections as the locus of equations of first and second degree in rectangular coordinates; method of writing equations for tangents and normals to circles and conic sections; polar coordinates and transformation of coordinates. Prerequisite: Two years of high school algebra, plane geometry, and trigonometry, or Mathematics 1 and 2. Parallels University of California Mathematics 3A.

4 Differential Calculus (3)

The study of functions, algebraic and transcendental, and their classification. The derivative defined; its practical use in obtaining velocities and acceleration values in non-uniform straight line and curved line motion, and in obtaining maximum and minimum values useful in design. The differential and infinitesimal and its use in forming derivatives. The use of the first and second derivatives in rapid curve tracing. Prerequisite: Mathematics 3. Parallels University of California Mathematics 3B.

5-6 Integral Calculus, Solid Analytical Geometry, and Infinite Series (3-3)

A study of integration in the indefinite and definite integral. Applications of the definite integral in the determination of areas, volumes, centroids, and moments of inertia. The study of surfaces in the geometry of space; partial differentials, multiple integrals, and infinite series. Prerequisite: Mathematics 4. Parallels University of California Mathematics 4A-4B.

8 College Algebra (3)


9 Mathematics of Finance (3)

A study of interest, discount, annuities, amortization, sinking funds,
2 Trigonometry (3)

An elementary course in plane trigonometry and spherical right triangles with practical applications. Trigonometry functions, the right triangle, functions of multiple angles, trigonometric equations and identities, radians, inverse functions, the oblique triangle, logarithms, calculations, trigonometric analysis, and Napier's rule as used in solving spherical right triangles. A student who has completed a high school course in trigonometry will receive only one unit of credit for this course, however, if a "D" grade was received in high school, full credit will be granted. Prerequisite: High school plane geometry and either one and one-half years of high school algebra or Mathematics 1.

3 Plane Analytic Geometry (3)

A study of the equations representing the straight line, circle, ellipse, and other conic sections as the locus of equations of first and second degree in rectangular coordinates; method of writing equations for tangents and normals to circles and conic sections; polar coordinates and transformation of coordinates. Prerequisite: Two years of high school algebra, plane geometry, and trigonometry, or Mathematics 1 and 2. Parallels University of California Mathematics 3A.

4 Differential Calculus (3)

The study of functions, algebraic and transcendental, and their classification. The derivative defined; its practical use in obtaining velocities and acceleration values in non-uniform straight line and curved line motion, and in obtaining maximum and minimum values useful in design. The differential and infinitesimal and its use in forming derivatives. The use of the first and second derivatives in rapid curve tracing. Prerequisite: Mathematics 3. Parallels University of California Mathematics 3B.

5-6 Integral Calculus, Solid Analytical Geometry, and Infinite Series (3-3)

A study of integration in the indefinite and definite integral. Applications of the definite integral in the determination of areas, volumes, centroids, and moments of inertia. The study of surfaces in the geometry of space: partial differentials, multiple integrals, and infinite series. Prerequisite: Mathematics 4. Parallels University of California Mathematics 4A-4B.

8 College Algebra (3)


9 Mathematics of Finance (3)

A study of interest, discount, annuities, amortization, sinking funds,
valuation of bonds, depreciation, life insurance, investments for students majoring in commerce or business administration. Prerequisite: Two years of high school algebra or Mathematics 1. Parallels University of California Mathematics 2.

40 Plane Geometry (3)
A comprehensive course in plane geometry. Parallel lines, proportion, congruent and similar triangles, the right and oblique triangles, the theorem of Pythagoras, circles, and polygons. A student will remove both subject and grade deficiencies if he receives a grade of “B” or better in Mathematics 40; if he receives a grade of “C”, he will remove only the subject deficiency. Students who have already completed high school plane geometry may not take this course for credit unless a “D” grade was received in high school.

41 Fundamentals of Algebra (3)
A course in the fundamental operations of algebra. This course is the equivalent of one year of high school algebra. A student will remove both subject and grade deficiencies if he receives a grade of “B” or better in Mathematics 41; if he receives a grade of “C”, he will remove only the subject deficiency. Students who have completed one year of high school algebra may not take this course for credit unless a “D” grade was received in high school.

*42 Computational Trigonometry (3)
Trigonometric computations with application to problems in navigation and engineering.

43-44 Mathematics for Industry (3-3)
The study of the basic principles of arithmetic, algebra, plane geometry, solid geometry, and trigonometry, with special emphasis on problems applied to industry.

MUSIC

1-2 Solfege (3-3)
Basic course for all students of both instrumental and vocal music. Extensive drill in sight reading, ear training, and melodic diction. Students who have had one year of high school chorus and fundamentals may not take Music 1 for credit, but may enter Music 2.

3-4 History and Appreciation of Music (3-3)
A study of the development of form and style in music through lectures, illustrations, and readings with regard to the structure and aesthetics of music compositions. The historical development of music is shown through a study of the works of composers from the earliest time to the present day. The course also assists in a better understanding of music literature. Either semester may be taken first. Parallels University of California at Los Angeles Music 2A-2B.

*Probably will not be offered in 1947-48.

5-6 Harmony (5-5)
Study of materials used in music, both diatonic and chromatic. Chord relationships and progressions. Harmonization of melodies by section and phrase with use of embellishing tones. Common tone and common tone modulation. Allied chords and modulations. Use of augmented sixth chords. This course aims to give command of music material and to enable the student to write music in simplest forms, to harmonize a melody, and to hear progressions rapidly. Students who have had one year of high school harmony will receive only two units of credit for Music 5. Students who have had one year of high school harmony may enter Music 6 with consent of instructor. Prerequisite: Music 1 or equivalent, which may be taken concurrently.

7-8 Counterpoint (2-2)
Fundamental principles of good melody. Strict counterpoint in all orders; two, three, and four voices. Free or modern counterpoint; note to note; second order; two or more notes to one, admitting unharmonized cisions, either as changing notes, passing notes, retardations, or suspensions. Prerequisite: One year of high school harmony or Music 5.

11-12-13-14 Men's Chorus (1-1-1-1)
Appreciation and performance of standard choral literature with special emphasis on principles of part singing, vocal control, interpretation, diction, phrasing, and breath control. Public performances. Prerequisite: Consent of instructor.

11-12-13-14 Women's Chorus (1-1-1-1)
Appreciation and performance of standard choral literature with special emphasis on principles of part singing, vocal control, interpretation, diction, phrasing, and breath control. Public performances. Prerequisite: Consent of instructor.

15-16-17-13 A Cappella Choir (1-1-1-1)
An advanced form of choral art. Repertoire drawn from all ages and cultures. Emphasis on interpretation, choral techniques, and public performances. Prerequisite: consent of instructor.

21-22 Voice Training (2-2)
The principles of correct tone production and their application to the simpler songs and ballads in English. The course is planned to develop individual accomplishments. Voice, diction, style, tone color, and interpretation are stressed.

23-24 Instrumental Training (1-1)
Elementary instruction on various orchestral and band instruments offered to students with musical background who wish to perform in college organizations. Prerequisite: Consent of instructor.

*Probably will not be offered in 1947-48.
valuation of bonds, depreciation, life insurance, investments for students majoring in commerce or business administration. Prerequisite: Two years of high school algebra or Mathematics 1. Parallels University of California Mathematics 2.

40 Plane Geometry (3)

A comprehensive course in plane geometry. Parallel lines, proportion, congruent and similar triangles, the right and oblique triangles, the theorem of Pythagoras, circles, and polygons. A student who will remove both subject and grade deficiencies if he receives a grade of "B" or better in Mathematics 40; if he receives a grade of "C", he will remove only the subject deficiency. Students who have already completed high school plane geometry may not take this course for credit unless a "D" grade was received in high school.

41 Fundamentals of Algebra (3)

A course in the fundamental operations of algebra. This course is the equivalent of one year of high school algebra. A student who will remove both subject and grade deficiencies if he receives a grade of "B" or better in Mathematics 41; if he receives a grade of "C", he will remove only the subject deficiency. Students who have completed one year of high school algebra may not take this course for credit unless a "D" grade was received in high school.

42 Computational Trigonometry (3)

Trigonometric computations with application to problems in navigation and engineering.

43-44 Mathematics for Industry (3-3)

The study of the basic principles of arithmetic, algebra, plane geometry, solid geometry, and trigonometry, with special emphasis on problems applied to industry.

MUSIC

1-2 Solfege (3-3)

Basic course for all students of both instrumental and vocal music. Extensive drill in sight reading, ear training, and melodic diction. Students who have had one year of high school chorus and fundamentals may not take Music 1 for credit, but may enter Music 2.

3-4 History and Appreciation of Music (3-3)

A study of the development of form and style in music through lectures, illustrations, and readings with regard to the structure and aesthetics of music compositions. The historical development of music is shown through a study of the works of composers from the earliest time to the present day. The course also assists in a better understanding of music literature. Either semester may be taken first. Parallels University of California at Los Angeles Music 2A-2B.

*Probably will not be offered in 1947-48.

5-6 Harmony (5-5)

Study of materials used in music, both diatonic and chromatic. Chord relationships and progressions. Harmonization of melodies by section and phrase with use of embellishing tones. Common tone and common tone modulation, Allied chords and modulations. Use of augmented sixth chords. This course aims to give command of music materials and to enable the student to write music in simplest forms, to harmonize a melody, and to hear progressions rapidly.

Students who have had one year of high school harmony will receive only two units of credit for Music 5. Students who have had one year of high school music may enter Music 6 with consent of instructor. Prerequisite: Music 1 or equivalent, which may be taken concurrently.

7-8 Counterpoint (2-2)

Fundamental principles of good counterpoint. Strict counterpoint in all orders; two, three, and four voices. Free or modern counterpoint; note to note; second order; two or more notes to one, admitting unharmo-

ized cissonnizes, either as changing notes, passing notes, retardations, or suspensions. Prerequisite: One year of high school harmony or Music 5.

11-12-13-14 Men's Chorus (1-1-1-1)

Appreciation and performance of standard choral literature with special emphasis on principles of part singing, vocal control, interpret-

tion, diction, phrasing, and breath control. Public performances. Prerequisite: Consent of instructor.

11-12-13-14 Women's Chorus (1-1-1-1)

Appreciation and performance of standard choral literature with special emphasis on principles of part singing, vocal control, interpret-

tion, diction, phrasing, and breath control. Public performances. Prerequisite: Consent of instructor.

15-16-17-18 A Cappella Choir (1-1-1-1)

An advanced form of choral art. Repertoire drawn from all ages and cultures. Emphasis on interpretation, choral techniques, and public performances. Prerequisite: consent of instructor.

21-22 Voice Training (2-2)

The principles of correct tone production and their application to the simpler songs and ballads in English. The course is planned to develop individual accomplishments. Poise, diction, style, tone color, and interpretation are stressed.

23-24 Instrumental Training (1-1)

Elementary instruction on various orchestral and band instruments offered to students with musical background who wish to perform in college organizations. Prerequisite: Consent of instructor.

*Probably will not be offered in 1947-48.
PHILOSOPHY

1-2 Introduction to Philosophy (3-3)

The aims and uses of philosophical study and the relation of philosophy to other subjects. A discussion of how the problems of philosophy arise in the ordinary course of our experience. A review of the more important answers which have been proposed for these problems. Parallel: University of California at Los Angeles Philosophy 2A-2B.

PHOTOGRAPHY

In all courses except Photography 1 one unit of credit is granted for three hours of laboratory each week.

1-2 Elements of Photography (3-3)

Development of the basic techniques in the art of taking pictures. Making exposures, developing negatives, the making of prints, and the making of enlargements from both miniature and large negatives. By the end of the course, students are expected to master the art of making well finished pictures under all ordinary conditions. Either semester may be taken first.

3-4 Intermediate Photography (3-3)

For more advanced students. Those who show suitable skill will be given opportunities in connection with the drama department, school publications, and sports to take pictures such as those a reporter would have on assignment. Prerequisite: Consent of instructor.

5-6 Advanced Photography (5-5)

As advanced course for competent students with previous training and experience. Prerequisite: Consent of instructor.

PHYSICAL EDUCATION FOR MEN

1-2-3-4 Physical Education Activities — Instructional (1½-1½-1½-1½)

Instruction in touch football, badminton, volleyball, basketball, softball, individual athletics, and relays. A modern obstacle course patterned after army standards is utilized throughout the year. An individual motor fitness test is given to all students. Each man has the opportunity to discover his own capacity for balance, flexibility, agility, strength, and endurance.

5 Boxing—Instructional (½)

Instruction in fundamentals. Students enrolled in this course must also enroll in Physical Education 25.

6 Wrestling—Instructional (½)

Instruction in fundamentals. Students enrolled in this course must also enroll in Physical Education 25.
PHILOSOPHY

1-2 Introduction to Philosophy (3-3)

The aims and uses of philosophical study and the relation of philosophy to other subjects. A discussion of how the problems of philosophy arise in the ordinary course of our experience. A review of the more important answers which have been proposed for these problems. Parallels University of California at Los Angeles Philosophy 2A-2B.

PHOTOGRAPHY

In all courses except Photography 1 one unit of credit is granted for three hours of laboratory each week.

1-2 Elements of Photography (2-2)

Development of the basic techniques in the art of taking pictures. Making exposures, developing negatives, the making of prints, and the making of enlargements from both miniature and large negatives. By the end of the course, students are expected to master the art of making well finished pictures under all ordinary conditions. Either semester may be taken first.

3-4 Intermediate Photography (3-3)

For more advanced students. Those who show suitable skill will be given opportunities in connection with the drama department, school publications, and sports to take pictures such as those a reporter would have on assignment. Prerequisite: Consent of instructor.

5-6 Advanced Photography (5-5)

An advanced course for competent students with previous training and experience. Prerequisite: Consent of instructor.

PHYSICAL EDUCATION FOR MEN

1-2-3-4 Physical Education Activities — Instructional (½-½-½-½)

Instruction in touch football, badminton, volleyball, basketball, softball, individual athletics, and relays. A modern obstacle course patterned after army standards is utilized throughout the year. An individual motor fitness test is given to all students. Each man has the opportunity to discover his own capacity for balance, flexibility, agility, strength, and endurance.

5 Boxing—Instructional (½)

Instruction in fundamentals. Students enrolled in this course must also enroll in Physical Education 25.

6 Wrestling—Instructional (½)

Instruction in fundamentals. Students enrolled in this course must also enroll in Physical Education 26.
Adapted Activities (½)

A modified program of restricted activities to meet the needs of students as indicated by the health records and the recommendations of college physicians.

Leadership (2)

A study of the principal factors necessary for leadership in community service of such types as scouting, playground directing, committee work, camp counseling, and church work. Emphasis is placed upon the principles governing the choice, techniques, rules, and organization of activities.

Physical Education Activities — Free and Competitive (½-½-½-½)

Free and competitive participation in touch football, badminton, volleyball, basketball, softball, handball, tennis, individual athletics, relays, and barricade runs.

Boxing—Free and Competitive (½)

Wrestling—Free and Competitive (½)

Physical Education for Women

Formal Gymnastics (¾-¾-¾-¾)

Instruction in Danish and Swedish gymnastic exercises with marching and games. To improve posture, increase or decrease weight, and develop an appreciation of simple rhythm.

Body Mechanics (½)

Instruction in individual exercises for relaxation and to aid in the prevention of functional disorders and the correction of structural defects.

Adapted Activities (¾)

Rest, ping-pong, sunbaths, or other limited activities as need is indicated on the health record. A class for the student whose medical examination indicates that she should take restricted activities.

Leadership (2)

A study of the principal factors necessary for leadership in community service of such types as scouting, playground directing, committee work, camp counseling, and church work. Emphasis is placed upon the principles governing the choice, technique, rules, and organization of activities.

*Probably will not be offered in 1947-48.
Adapted Activities (½)
A modified program of restricted activities to meet the needs of students as indicated by the health records and the recommendations of college physicians.

Leadership (2)
A study of the principal factors necessary for leadership in community service of such types as scouting, playground directing, committee work, camp counseling, and church work. Emphasis is placed upon the principles governing the choice, techniques, rules, and organization of activities.

Physical Education Activities — Free and Competitive (½-⅔-⅕-⅙)
Free and competitive participation in touch football, badminton, volleyball, basketball, softball, handball, tennis, individual athletics, relays, and barricade runs.

Boxing—Free and Competitive (½)
Wrestling—Free and Competitive (½)

Physical Education for Women
Formal Gymnastics (⅔-⅕-⅕-⅚)
Instruction in Danish and Swedish gymnastic exercises with marching and games. To improve posture, increase or decrease weight, and develop an appreciation of simple rhythm.

Body Mechanics (⅕)
Instruction in individual exercises for relaxation and to aid in the prevention of functional disorders and the correction of structural defects.

Adapted Activities (⅔)
Rest, ping-pong, sunbaths, or other limited activities as need is indicated on the health record. A class for the student whose medical examination indicates that she should take restricted activities.

Leadership (2)
A study of the principal factors necessary for leadership in community service of such types as scouting, playground directing, committee work, camp counseling, and church work. Emphasis is placed upon the principles governing the choice, technique, rules, and organization of activities.

*Probably will not be offered in 1947-48.

Beginning Sports (¾)
Instruction in the fundamental techniques of seasonal sports: volleyball, basketball, hockey and baseball.

Intermediate Sports (¾)
Development of team play in seasonal sports: volleyball, basketball, hockey, and baseball.

Beginning Tennis (¾)
Instruction and practice in tennis strokes, techniques, and rules.

Intermediate Tennis (¾)
Practice for those who have had beginning tennis and who can pass an examination in fundamental strokes. Instruction in umpiring, doubles and singles tactics. Prerequisite: Physical Education 27.

Beginning Rhythmic Activities (¾)
Instruction in simple clogs and tap dancing with an opportunity for creative expression.

Beginning Folk Rhythms (¾)
Instruction in folk dances of all nations with discussion of festival costumes.

Beginning Archery (¾)
Instruction in the technique of archery and participation in a tournament using the Junior Columbia Round.

Intermediate Archery (¾)
Practice in shooting and a tournament using the Columbia Round. Prerequisite: Physical Education 33.

Social Sports (¾)
Practice in badminton, ping-pong, and deck tennis for fourth-semester students. Prerequisite: Consent of instructor.

Physics
General Physics (3-3)
Mechanics, properties of matter, and heat. An intensive study of motion, dynamics, statics, vectors, liquids, gases, heat effects, change of state, calorimetry, heat transfer. Only engineering students and science majors should enroll in Physics 1-2. Prerequisite: High school physics or chemistry or Physics 10, and trigonometry. Mathematics 3 and 4 should be taken previously if possible, or they may be taken concurrently. Parallels University of California at Los Angeles Physics 1A-1B.

General Physics (3-3)
Magnetism, electricity, wave motion, sound and light presented as a continuation of Physics 1-2. Study of laws of magnetism, static electricity, current flow; electromagnetism and induced currents; conduction
through gases, radio activity; laws of wave motion in sound and light spectroscopy, etc. Prerequisite: Physics 1 and 2 with a grade of "C" or better. Mathematics 5 and 6 should be taken previously if possible, or they may be taken concurrently. Parallels University of California at Los Angeles Physics 1-C-ID.

5-6 General Physics (4-4)

A study of properties of matter, mechanics, heat, sound, light, electricity, and magnetism. Lectures, demonstrations, problems, and laboratory work. Required of pre-medical students. Elective for liberal arts students. Students desiring a general knowledge of physics should enroll in this course. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: High school physics or chemistry, and trigonometry. Trigonometry may be taken concurrently. Parallels University of California Physics 2A-2B, 3A-3B.

10 Introduction to Physics (3)

A brief presentation of some of the more important phenomena in physics with experimental illustrations. Students who have completed high school physics with a grade of "B" or better should not enroll. Not open to those who have had Physics 1, 2, 5, or 6. Prerequisites: Elementary algebra and plane geometry. Parallels University of California Physics 10.

29-30 Applied Electricity (4-4)

The fundamentals of electricity and magnetism: direct current and alternating current motors and generators; electrical measuring instruments; measurement and calculations involving inductance, capacitance and resistance; principles of magnetism as applied to motors, generators, and transformers; power equipment, batteries, etc. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: High school physics, algebra, and geometry.

31-32 Electronic Fundamentals (4-4)

A study of vacuum tubes and vacuum tube circuits and their applications to radio, radar, and television; electronic power supply circuits, rectifiers, amplifiers, oscillators and ultra-high-frequency generators; the cathode ray oscillograph and its uses in electronics; wave guides, cavity resonators, antennas, and high-frequency transmission lines; non-sinusoidal waves and transients; special circuits for the production of square waves, sawtooth waves and pulses; aircraft radio and electrical systems. Prerequisite: algebra, geometry, and an elementary physics course.

33 Applied Physics (2)

The application of physics to industry. Fundamental units: measurement, heat, properties of matter, gases, force and motion, machines and power, electrical circuits, electrical measuring instruments, electric current-effects, sound waves, light, optical instruments. Two three-hour laboratory periods each week.

35-36 Sound Recording (1-1)

A laboratory course in which measurements will be made to determine the frequency response, decibel gain, and per cent of distortion of various parts of sound equipment. Required of those who operate the college recording system.

47-48 Physical Apparatus (1-1)

Laboratory work in designing and constructing apparatus for physics lecture demonstrations. Five hours each week. Prerequisite: Consent of instructor.

PHYSIOLOGY

31 Introductory Physiology (4)

A laboratory course in the functions of the various systems of the human body. Lectures, charts, models, and dissection material. Course required for pre-nursing students, elective for others. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: High school physiology or chemistry, or Chemistry 41.

POLICE SCIENCE

1 Police Organization and Administration (3)

Application of the principles of organization and administration to the police enterprises, structure of police organizations, staff and line services, inspection, analysis of the functional division of the modern police department.

2 Police Records (2)

The need for police records, organization and installation of a police record system, daily police activity records, records relating to persons arrested, personal identification records, use of records, procedure within the records division, summary and analytical records, use of records in planning police operations.

3 Criminal Law (2)

The California Penal Code, general principles of criminal law and procedures, classification of crimes, specific offenses, elements of crimes, law of arrest, law of evidence, court procedure, court testimony.

4 Police Patrol and Communication (2)

Patrol administration, contemporary patrol methods, principles of effective patrol, distribution of the force, the police beat, beat organization patrol strategy, tactics, communications systems.

5 Criminal Investigation and Identification (3)

Principles and techniques of criminal investigation, police photography in investigation, scientific crime detection method, criminal identification systems.
through gases, radio activity; laws of wave motion in sound and light spectroscopy, etc. Prerequisite: Physics 1 and 2 with a grade of "C" or better. Mathematics 5 and 6 should be taken previously if possible, or they may be taken concurrently. Parallels University of California at Los Angeles Physics I-C-ID.

5-6 General Physics (4-4)

A study of properties of matter, mechanics, heat, sound, light, electricity, and magnetism. Lectures, demonstrations, problems, and laboratory work. Required of pre-medical students. Elective for liberal arts students. Students desiring a general knowledge of physics should enroll in this course. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: High school physics or chemistry, and trigonometry. Trigonometry may be taken concurrently. Parallels University of California Physics 2A-2B, 3A-3B.

10 Introduction to Physics (3)

A brief presentation of some of the more important phenomena in physics with experimental illustration. Students who have completed high school physics with a grade of "B" or better should not enroll. Not open to those who have had Physics 1, 2, 5, or 6. Prerequisites: Elementary algebra and plane geometry. Parallels University of California Physics 10.

29-30 Applied Electricity (4-4)

The fundamentals of electricity and magnetism; direct current and alternating current motors and generators; electrical measuring instruments; measurement and calculations involving inductance, capacitance and resistance; principles of magnetism as applied to motors, generators and transformers; power equipment, batteries, etc. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: high school physics, algebra, and geometry.

31-32 Electronic Fundamentals (4-4)

A study of vacuum tubes and vacuum tube circuits and their applications to radio, radar, and television; electronic power supply circuits, rectifiers, amplifiers, oscillators and ultra-high-frequency generators; the cathode ray oscillograph and its uses in electronics; wave guides, cavity resonators, antennas, and high-frequency transmission lines; non-sinusoidal waves and transients; special circuits for the production of square waves, sawtooth waves and pulses; aircraft radio and electrical systems. Prerequisite: algebra, geometry, and an elementary physics course.

33 Applied Physics (2)

The application of physics to industry. Fundamental units: measurement, heat, properties of matter, gases, force and motion, machines and power, electrical circuits, electrical measuring instruments, electric current-effects, sound waves, light, optical instruments. Two three-hour laboratory periods each week.

35-36 Sound Recording (1-1)

A laboratory course in which measurements will be made to determine the frequency response, decibel gain, and per cent of distortion of various parts of sound equipment. Required of those who operate the college recording system.

47-48 Physical Apparatus (1-1)

Laboratory work in designing and constructing apparatus for physics lecture demonstrations. Five hours each week. Prerequisite: Consent of instructor.

PHYSIOLOGY

31 Introductory Physiology (4)

A laboratory course in the functions of the various systems of the human body. Lectures, charts, models, and dissection material. Course required for pre-nursing students, elective for others. Three hours of lecture and one three-hour laboratory period each week. Prerequisite: High school physiology or chemistry, or Chemistry 41.

POLICE SCIENCE

1 Police Organization and Administration (3)

Application of the principles of organization and administration to the police enterprises, structure of police organizations, staff and line services. Inspection, analysis of the functional division of the modern police department.

2 Police Records (2)

The need for police records, organization and installation of a police record system, daily police activity records, records relating to persons arrested, personal identification records, use of records, procedure within the records division, summary and analytical records, use of records in planning police operations.

3 Criminal Law (2)

The California Penal Code, general principles of criminal law and procedures, classification of crimes, specific offenses, elements of crimes, law of arrest, law of evidence, court procedure, court testimony.

4 Police Patrol and Communication (2)

Patrol administration, contemporary patrol methods, principles of effective patrol, distribution of the force, the police beat, beat organization patrol strategy, tactics, communications systems.

5 Criminal Investigation and Identification (3)

Principles and techniques of criminal investigation, police photography in investigation, scientific crime detection methods, criminal identification systems.
6 Crime Prevention (3)

Organization and functions of crime prevention agencies, police techniques employed in the repression of delinquency and crime through preventive methods, case work approach, the policewoman, consolidation of community resources in preventing crime and delinquency.

7 Recruit Police Officer In-Service Training (6)

Basic in-service instruction for the recruit police officer. Training includes study of patrol duty, making arrests, search and seizure, making investigations, finding evidence, and other primary phases of police duty. Course will embody 120 classroom hours and is open only to police officers.

POLITICAL SCIENCE

1-2 Introduction to Government (3-3)

An introduction to the principles and problems of government. In the first semester, particular emphasis is placed on national government in the United States. In the second semester, a comparative study is made of constitutional principles, governmental institutions, and political problems of selected governments abroad. This course is designed to fulfill the American Institutions requirement. Parallels University of California Political Science 1-2.

5 American Political Ideals (2)

An historical, philosophical, and analytical study of the theory and practice of American government. Special emphasis is placed on American Constitutional history and the development of American democratic thought. A critical study of modern political ideology is made. This, or a similar course, must be taken by all students graduating from a college, and by all who desire a certificate to teach in the state of California. Prerequisite: History 5. However, a student who has completed History 3 may enroll in Political Science 5 concurrently with History 4.

6 American State and Local Government (2)

A study of the development of state constitutions, practices, and laws. The relation of the states to the Federal government and also to county and municipal government. Political and legal practices are analyzed and evaluated.

PORTUGUESE

*1 Elementary Portuguese (4)

Training in pronunciation with stress on smoothness and proper intonation. Essentials of grammar, conversation, and composition. Reading of elementary prose with some stress placed on Portuguese character and customs. Students who have completed two years of high school

*Probably will not be offered in 1947-48.
Portuguese may not take this course for credit unless either "D" grades were received in high school or at least two years have elapsed since the completion of fast course in high school. Students who have had one and one-half years of high school Portuguese may take this course and receive full credit.

2 Elementary Portuguese (4)

Continuation of Portuguese 1. Stress on correct use of verbs in conversation and writing, and accuracy of grammatical detail. Elementary syntax completed. Reading of intermediate texts and reproductions of simple Portuguese. Prerequisite: Portuguese 1 or two years of high school Portuguese.

PSYCHOLOGY

1-2 General Psychology (3-3)

An intensive study of human and animal behavior: emotions, learning, memory, motivation, thinking, and imagination; the individual and his environment; individual differences in ability, intelligence, personality, maturation, and development; personal applications. Statistical procedure in psychology; a series of experiments, both individual and group, with statistical and observational treatment; applications of psychology in medicine, law, education, business, and industry. Sophomore standing preferred. Parallels University of California Psychology IA-IB.

5 Survey of Psychology (3)

Psychology in college life, child development, education, vocational guidance, human adjustments, mental illness, speech correction, propaganda, crime, music, art, leisure, industry, business, and clinical practice. Students who have completed Psychology 2 may not take this course for credit. Intended primarily for students who will not continue in psychology. The sequences of Psychology 1-2 or 1-3 will meet the requirements for junior standing at the University of California or the University of California at Los Angeles. Prerequisite: Psychology 1.

21 Occupational Planning (1)

A ten weeks course designed to aid students in relating their own interests and abilities to an occupational field. Self analysis and evaluation will be facilitated by the use of standardized tests.

35 Practical Psychology (3)

A survey of motives, emotions, intelligence, aptitudes, imagination, learning, and personality as demonstrated in home, education, medicine, law and criminology, business and industrial life. Primarily for those desiring a practical knowledge of psychology. Not open to students having had Psychology 1, 2, or 3.

*Probably will not be offered in 1947-48.
How to Study (0)

A laboratory course of eight classroom hours designed to aid students in improving study habits. Special assistance in reading, note taking, writing of term papers and general study organization. Available four times a semester by student choice or recommendation of counselors and instructors. No credit.

SOCIAL SCIENCE

31-32 Introduction to Social Science (4-4)

A survey of the principal facts and concepts of sociology, economics, and political science. Problems are studied in relationship to the historical development of the United States. The student is led to acquire a body of knowledge through an analysis of historical and contemporary problems, to understand the actual experience and situations that confront him, to obtain a realistic view of the total social scene. This course meets the California State requirements in the Constitution and American History. Students who have completed History 5 and Political Science 5 may receive only four units of credit for Social Science 31-32.

SOCIOLOGY

1-2 Social Institutions (3-3)

A study of the processes of group life and the problems arising from group relationships. Recreation, crime, delinquency, industry, illness, marriage, divorce, and other problems affecting social welfare. Lectures, discussions, reports.

SPANISH

1 Elementary Spanish (4)

Fundamentals of Spanish grammar. The student is trained to pronounce Spanish correctly, to acquire a small working vocabulary which he uses in conversation and writing, and to learn to read simple Spanish. Students who have completed two years of high school Spanish may not take this course for credit unless either “D” grades were received in high school or at least two years have elapsed since the completion of last course in high school. Students who have had one and one-half years or less of high school Spanish may take this course and receive full credit. Parallels University of California Spanish 1.

2 Elementary Spanish (4)

This course is based upon the reading and interpretation of idiomatic Spanish prose, with a further study of pronunciation and review of the fundamentals of Spanish grammar. Prerequisite: Spanish 1 or two years of high school Spanish. Parallels University of California at Los Angeles Spanish 2.
3 Intermediate Spanish (4)

This course includes further study of Spanish grammar and idioms, intensive and extensive reading in contemporary colloquial Spanish, oral resumes or readings, and written composition. Prerequisite: Spanish 2 or three years of high school Spanish. Parallels University of California at Los Angeles Spanish 3.

4 Intermediate Spanish (4)

A continuation of Spanish 3, with reading of more difficult literary texts. Prerequisite: Spanish 3 or four years of high school Spanish. Parallels University of California at Los Angeles Spanish 4.

*21 Introduction to Spanish Conversation (3)

A course in elementary conversation, thorough drill on correct sounds, practical words, simple constructions of everyday speech. Words and their uses are taught as they are needed for each day's use.

*31 Commercial Spanish (3)

Vocabulary and usage for business letters, commercial forms, and practices in the various Spanish-speaking countries. Prerequisite: Spanish 2 or equivalent.

SPEECH

1-2 Fundamentals of Speech (2-2)

A study of the fundamentals of speech including the principles governing voice quality, articulation, and clarity of expression. The course includes: modes of speaking; the proper use of action and gesture; the study and improvement of the voice; reading aloud from prose, poetry, and plays; speaking for radio and public address systems; frequent organized speeches; voice recordings; practice in group discussion; conferences.

3-4 Public Speaking (3-3)

A study of the fundamental principles of speech preparation, and of simple and direct speaking. Practice in outlining speech material, and in presenting extemporaneous speeches. A form of organized student discussion centering about a study of contemporary affairs. Training in oral composition. Parallels University of California Public Speaking 1A-1B.

11 Introduction to the Theater (3)

A general introductory course offering foundation study for acting and play production but with stress upon appreciation and enjoyment of the modern stage, radio, and motion pictures. Play reading and evaluation with concentration upon the contemporary period. An introduction to acting and a practical study of general body control for social poise and for acting. Discussions and research in theories of play production. Field trips. Introduction to stage make-up.

*Probably will not be offered in 1947-48.
12 Techniques of Dramatic Production (3)

A critical and experimental study of the actor's craft. Preparation of plays for production including how to study a play, how to cast, how to plot action, how to plan sets, properties, and lighting. Stage organization and management. Advanced study of make-up. Each student will produce at least one scene for public presentation and will act in several plays. Prerequisite: Speech 11.

25-26 Principles of Public Discussion (3-3)

A study and practice of the fundamental types and essentials of group discussion. Preparation and presentation of weekly discussions on local and international questions, primarily for campus and off-campus programs. Either semester may be taken first. Prerequisite: Speech 1 and 2 or 3 and 4, or consent of instructor.

31-32 Radio Production (2-2)

A laboratory course in radio script writing, acting, announcing, and producing. Broadcasts will be prepared for presentation over the air. Prerequisite: Consent of instructor.

STAGECRAFT

*1-2 Scenery and Lighting (2-2)

A laboratory study of techniques in modern stage design, construction, painting, lighting, and backstage organization.

*3-4 Organization and Management (2-2)

Laboratory experience in backstage organization: designing, building, painting, lighting, and handling settings for college plays.

TECHNOLOGY

Metal Trades

In all Technology courses one unit of credit is granted for each 45 hours of laboratory work.

1-2 Machine Shop, Elementary (6-6)

The fundamentals of the machinist trade. This includes the proper use of hand tools and the correct operation of machine tool equipment such as lathes, shapers, milling machines, drill presses, and grinders. The study of basic science and related information in machine shop work. The course consists of five three-hour laboratory periods each week and satisfies pre-apprenticeship requirements.

3-4 Machine Shop, Advanced (6-6)

Advanced and complicated operations of machine shop tools and equipment, and the machining of different kinds of metals. Precision *Probably will not be offered in 1947-48.
12 Techniques of Dramatic Production (3)

A critical and experimental study of the actor’s craft. Preparation of plays for production including how to study a play, how to cast, how to plot action, how to plan sets, properties, and lighting. Stage organization and management. Advanced study of make-up. Each student will produce at least one scene for public presentation and will act in several plays. Prerequisite: Speech 11.

25-26 Principles of Public Discussion (3-3)

A study and practice of the fundamental types and essentials of group discussion. Preparation and presentation of weekly discussions on local and international questions, primarily for campus and off-campus programs. Either semester may be taken first. Prerequisite: Speech 1 and 2 or 3 and 4, or consent of instructor.

31-32 Radio Production (2-2)

A laboratory course in radio script writing, acting, announcing, and producing. Broadcasts will be prepared for presentation over the air. Prerequisite: Consent of instructor.

STAGECRAFT

*1-2 Scenery and Lighting (2-2)

A laboratory study of techniques in modern stage design, construction, painting, lighting, and backstage organization.

*3-4 Organization and Management (2-2)

Laboratory experience in backstage organization: designing, building, painting, lighting, and handling settings for college plays.

TECHNOLOGY

Metal Trades

In all Technology courses one unit of credit is granted for each 45 hours of laboratory work.

1-2 Machine Shop, Elementary (6-6)

The fundamentals of the machinist trade. This includes the proper use of hand tools and the correct operation of machine tool equipment such as lathes, shapers, milling machines, drill presses, and grinders. The study of basic science and related information in machine shop work. The course consists of five three-hour laboratory periods each week and satisfies pre-apprenticeship requirements.

3-4 Machine Shop, Advanced (6-6)

Advanced and complicated operations of machine shop tools and equipment, and the machining of different kinds of metals. Precision

5-6 Sheet Metal Manufacturing, Elementary (6-6)

The fundamentals of the sheet metal trade. This includes the proper use of hand tools, and the correct operation of sheet metal machinery and equipment such as hand operated shears, brakes and rolls, blanking and forming dies, assembly jigs and fixtures, electric drill motors and pneumatic riveting tools, elementary template layout. The study of basic science and related information in sheet metal work. The course consists of five three-hour laboratory periods each week and satisfies pre-apprenticeship requirements.

*7-8 Sheet Metal Manufacturing, Advanced (6-6)

Advanced and complicated fabrication methods, using different kinds of metals. Hand tools and power operated machines and equipment utilized. Sheet metal precision inspection, production and assembly. Advanced template layout and lofting. Heat treatment of metals. Special tooling problems. Students will carry out complete projects from design to finished results. The course consists of five three-hour laboratory periods each week and satisfies apprenticeship rating to students completing it.

26 Materials and Processes (2)

A broad study of materials and processes used in manufacturing. The development and understanding of the characteristics and limitations of various processes and materials, and the attainment of skill in the selection and use of materials.

ZOLOGY

1-2 General Zoology (4-4)

An introduction to the principles of animal biology with special reference to the structure, functions, heredity, and evolution of animals. Structure and functions of chordate types, including their embryonic development. Study and dissection of animal types, assisted by charts and models. Two hours of lecture and two three-hour laboratory periods each week. Required of pre-medical and pre-dental students, and psychology, paleontology, and zoology majors. Prerequisite: High school biology and physiology, or high school chemistry. Parallels University of California Zoology 1A-1B.

*Probably will not be offered in 1947-48.
APPENDIX
LOWER DIVISION REQUIREMENTS
For Certain Universities and Colleges
in California

1 University of California (Berkeley)
College of Letters and Science

The requirements for junior standing are:
First: the completion of not less than 60 units of college work.
Second: the fulfillment of the following general and specific requirements.

a. General University Requirements:
   English Subject A—Students completing English 1-2 in Glendale College with grade of "C" or higher satisfy this requirement.
   Military Science and Tactics (men)
   (Note: If a student completes two years of work in a junior college, he is exempt from this requirement.)

b. Foreign Language
   At least 16 units in not more than two languages, with not less than four units in any one language. The first two years of high school work in a foreign language will be counted as four units of this requirement; the third and fourth years of high school work in foreign language will be counted as four units each of this requirement. No credit is given for only one year of high school work in a foreign language.

c. Matriculation Mathematics
   Elementary algebra and plane geometry. Students should fulfill these requirements in high school; students who have not done so may take Mathematics 41 and Mathematics 40 at Glendale College.

d. Natural Science
   At least 12 units, including one course in a laboratory science (six hours of laboratory work weekly). The choice of sciences should be made from the following list:
   High school physics*, 8 units. (1 high school credit)
   High school chemistry*, 5 units. (1 high school credit)
   Biology 1
   Botany 1*, 2*
   Chemistry 1*, 2*, 3*, 4*, 5*, 6*, 11-12*
   Geography 1
   Geology 1, 2
   Paleontology 1
   Physics 1-2*, 3-4*, 5-6*, 10

Zoology 1*, 2*
*Laboratory science courses

e. Additional
   A sequence (of 5 or 6 units) in each of three of the following six groups:

1. English or Public Speaking
   English 1-2
   Speech 3-4

2. Foreign Language
   This requirement is in addition to the regular requirement of 16 units. Two years of high school Latin are accepted as the equivalent of a college year course.

3. Mathematics
   Any two of the following courses: Mathematics 2 or high school trigonometry, 3, 4, 9

4. Social Sciences
   Economics 1-2
   Geogrophy 1-2
   History 1-2, 3-4, 17-18
   Political Science 1-2
   Psychology 1-2 or 5
   Sociology 1-2

5. Philosophy
   Philosophy 1-2

6. Fine Arts
   Art 1-2
   Music 3-4

2 University of California at Los Angeles—
College of Letters and Science

Note: The College of Letters and Science at U.C.L.A. is in the process of instituting sweeping changes in requirements. However, junior college transfers will be admitted to upper division standing for some time according to the old pattern of requirements.

The requirements for junior standing are:
First: the completion of 60 units of college work with an average grade of "C" or better.
Second: the fulfillment of the following general and specific requirements:

a. General University Requirements:
   English Subject A—Students completing English 1-2 in Glendale College with grade of "C" or higher satisfy this requirement. Physical Education, four semesters.
   Military Science and Tactics or Naval Science and Tactics (men)
APPENDIX
LOWER DIVISION REQUIREMENTS
For Certain Universities and Colleges
in California

1 University of California (Berkeley)
College of Letters and Science

The requirements for junior standing are:
First: the completion of not less than 60 units of college work.
Second: the fulfillment of the following general and specific requirements.

a. General University Requirements:
   English Subject A—Students completing English 1-2 in Glendale College with grade of “C” or higher satisfy this requirement.
   Military Science and Tactics (men)
   (Note: If a student completes two years of work in a junior college, he is exempt from this requirement.)

b. Foreign Language
   At least 16 units in not more than two languages, with not less than four units in any one language. The first two years of high school work in a foreign language will be counted as four units of this requirement; the third and fourth years of high school work in foreign language will be counted as four units each of this requirement. No credit is given for only one year of high school work in a foreign language.

c. Matriculation Mathematics
   Elementary algebra and plane geometry. Students should fulfill these requirements in high school; students who have not done so may take Mathematics 41 and Mathematics 40 at Glendale College.

d. Natural Science
   At least 12 units, including one course in a laboratory science (six hours of laboratory work weekly). The choice of sciences should be made from the following list:
   High school physics*, 8 units. (1 high school credit)
   High school chemistry*, 5 units. (1 high school credit)
   Biology 1
   Botany 1*, 2*
   Chemistry 1*, 2*, 3*, 4*, 5*, 6*, 11-12*
   Geography 1
   Geology 1, 2
   Paleontology 1
   Physics 1-2*, 3-4*, 5-6*, 10

2 University of California at Los Angeles—
College of Letters and Science

Zoology 1*, 2*
*Laboratory science courses

e. Additional
   A sequence (of 5 or 6 units) in each of three of the following six groups:
   1. English or Public Speaking
      English 1-2
      Speech 3-4
   2. Foreign Language
      This requirement is in addition to the regular requirement of 16 units. Two years of high school Latin are accepted as the equivalent of a college year course.
   3. Mathematics
      Any two of the following courses: Mathematics 2 or high school trigonometry, 3, 4, 9
   4. Social Sciences
      Economics 1-2
      Geography 1-2
      History 1-2, 3-4, 17-18
      Political Science 1-2
      Psychology 1-2 or 5
      Sociology 1-2
   5. Philosophy
      Philosophy 1-2
   6. Fine Arts
      Art 1-2
      Music 3-4

Note: The College of Letters and Science at U.C.L.A. is in the process of instituting sweeping changes in requirements. However, junior college transfers will be admitted to upper division standing for some time according to the old pattern of requirements.

The requirements for junior standing are:
First: the completion of 60 units of college work with an average grade of “C” or better.
Second: the fulfillment of the following general and specific requirements:

a. General University Requirements:
   English Subject A—Students completing English 1-2 in Glendale College with grade of “C” or higher satisfy this requirement. Physical Education, four semesters.
   Military Science and Tactics or Naval Science and Tactics (men)
b. Foreign Language
At least 16 units in not more than two languages, with not less than four units in any one language. The first two years of high school work with grade "C" or higher in a foreign language will be counted as four units of this requirement; the third and fourth years of high school work in a foreign language will be counted as four units each of this requirement. No credit is given for less than two years of high school work in a foreign language. If a new language is begun on college level, course 2 with its prerequisites must be completed.

c. Matriculation Mathematics
Elementary algebra and plane geometry. Students should fulfill these requirements in high school; those who have not done so may take Mathematics 41 and Mathematics 40 at Glendale College.

d. Natural Science
At least 12 units chosen from the following list, of which not less than one unit shall be laboratory work. Courses marked with an asterisk (*) meet the laboratory requirement. Three units of the requirement may be satisfied by any third or fourth year laboratory science taken in high school and completed with a grade of at least "C". Three units of mathematics not offered in satisfaction of requirement (c) may be substituted for three units of this requirement.
High school science (third year or fourth year laboratory course)*
Biology 1
Botany 1*, 2*
Chemistry 1*, 2*, 3*, 4*, 5*, 6*, 11-12*
Geology 1, 2
Geography 1 (may not be used on both requirements (d) and (e)).
Paleontology 1
Physics 1*, 2*, 3*, 4*, 5*, 6, 6...
Zoology 1*, 2*

3. University of Southern California—
College of Letters, Arts, and Sciences

The requirements for junior standing are:
a. Art Appreciation or Music Appreciation, 2 units
   Students who transfer with 60 or more units of advanced standing may substitute two units of electives in fine arts or music.
b. English, 6 units
   English 1-2
c. Foreign Languages—One foreign language, 12 units
   Each year of foreign language in high school will be accepted in fulfillment of three units of this requirement.
d. General Studies, 15 units
   1. Man and civilization—6 units
      History 7-8. Students who transfer with 60 or more units of advanced standing may substitute six units of social studies.
   2. American Civilization and Institutions—4 units
      History 5, Political Science 5
   3. Three units to be selected from the following:
      a. Problems of Human Behavior (3 units)
         Students who transfer with 60 or more units of advanced standing may substitute 3 units of psychology.
b. Problems of Human Values (3 units)
   Students who transfer with 60 units of advanced standing may substitute 3 units of philosophy.
3. Mathematics
   Any two of the following courses: Mathematics 2, 3, 4, 5, 8

4. Social Science
   Economics 1-2
   Geography 1-2
   History 1-2, 3-4, 17-18
   Political Science 1-2
   Sociology 1-2

5. Philosophy
   Philosophy 1-2

6. Psychology
   Psychology 1-2 or 5

7. Art, Music
   Art 1-2, 3-4
   Music 3-4, 5-6

3 University of Southern California—
College of Letters, Arts, and Sciences

The requirements for junior standing are:

a. Art Appreciation or Music Appreciation, 2 units
   Students who transfer with 60 or more units of advanced
   standing may substitute two units of electives in fine arts or
   music.

b. English, 6 units
   English 1-2

c. Foreign Languages—One foreign language, 12 units
   Each year of foreign language in high school will be ac-
   cepted in fulfillment of three units of this requirement.

d. General Studies, 13 units
   1. Man and civilization—6 units
      History 7-8. Students who transfer with 60 or more units
      of advanced standing may substitute six units of social
      studies.

   2. American Civilization and Institutions—4 units
      History 5, Political Science 5

   3. Three units to be selected from the following:
      a. Problems of Human Behavior (3 units)
         Students who transfer with 60 or more units of ad-
         vanced standing may substitute 3 units of psychology.
      b. Problems of Human Values (3 units)
         Students who transfer with 60 units of advanced
         standing may substitute 3 units of philosophy.
e. Literature, 4 units
The work may be taken in English, American, or comparative literature.
f. Physical Education, 6 units.
Physical Education (1 semester)
Hygiene 1
g. Sciences, 11 units
At least one laboratory course must be included. Chemistry and physics in the third or fourth year of high school will each be accepted in fulfillment of this requirement. The choice of sciences should be made from the following list:
High school chemistry* (3 units)
High school physics* (3 units)
Biology 1
Botany 1*, 2*
Chemistry 1*, 2*, 3*, 4*, 5*, 6*, 11-12*
Geology 1, 2
Physics 1-2*, 5-6*, 5-6*
Zoology 1*, 2*
*Laboratory science courses

4 Stanford University—
Lower Division Requirements for all Schools of University

Lower Division requirements are designed to introduce the student to fundamental fields of human interest. A "C" average in scholarship is required in all work undertaken. At least 10 (semester) units are required in each of the three following groups:

Group I—Arts and Letters (English, foreign language, journalism, music, art, speech and drama).

a. Completion of a least 1½ full college years (12 semester units) or the equivalent in a foreign language. This requirement may be satisfied in part by work completed in high school.

French 1-2-3, or Spanish 1-2-3, or German 1-2-3

b. Completion of year course in English composition.

English 1-2

c. Electives, if needed, in arts and letters to total 10 semester units.

Group II—Natural sciences, mathematics (applied mathematics, biology, botany, chemistry, engineering, geology, hygiene, logic, mathematics, military science, mining and metallurgy, physics, psychology, zoology, and entomology).

a. A year course in a laboratory science.

1. Biology for those who have not had at least one year of high school credit in a biological science.

2. Chemistry, physics or physical sciences for those who do not have at least one year of high school credit in physics or chemistry.

3. Electives to total 10 semester units in this group.

Group III—Social Sciences (history, political science, economics, philosophy, sociology and education).

a. History of Western Civilization (8 semester units) History 1-2, 3 or History 5-4, 1.

b. Electives—select one of the following year courses:

Economics 1-2, Philosophy 1-2, Political Science, 1-2, Psychology 1-2, Sociology 1-2

Note: 1. All lower division students must enroll for physical training. Transfers from other colleges to Stanford may be relieved from certain above requirements by special action of Committee on Lower Division Administration.

2. Students interested in the Stanford University Honors Program should complete the following lower division work: World Literature, one year; Fine Arts, one year; Philosophy, one year; Social Science, additional 10 units.

5 University of California (Berkeley)
School of Business Administration

Junior standing in any of the colleges of the University of California, Economics 1-2, 14-15, and Mathematics 9 should be completed in Glendale College.

5 University of California at Los Angeles—
College of Business Administration

The requirements for junior standing are:

a. General University Requirements

English Subject A
Physical Education, 4 semesters
Military Science and Tactics (men)
(Note: If a student completes two years of work in a junior college he is exempt from this requirement, but must increase elective units)

b. (1), (2) or (3):

(1) Foreign Language—At least 16 units in one foreign language. The first two years of high school work in a foreign language will together be counted in satisfaction of four units of this requirement; the third and fourth years will be counted in satisfaction of four units each.

(2) Natural Science—at least 14 units chosen from the following list, including not less than 4 units of college courses with laboratory work. Courses marked with an asterisk (*) meet the laboratory requirements:

High school chemistry (3 units)
High school physics (3 units)
Biology 1*
Botany 1*
Chemistry 11-12*
3. Electives to total 10 semester units in this group.

Group III—Social Sciences (history, political science, economics, philosophy, sociology and education).

a. History of Western Civilization (8 semester units) History 1-2, 3 or History 5-4, 1.

b. Electives—select one of the following year courses:
   - Economics 1-2, Philosophy 1-2, Political Science 1-2, Psychology 1-2, Sociology 1-2

Note: 1. All lower division students must enroll for physical training. Transfers from other colleges to Stanford may be relieved from certain above requirements by special action of Committee on Lower Division Administration. 2. Students interested in the Stanford University Honors Program should complete the following lower division work: World Literature, one year; Fine Arts, one year; Philosophy, one year; Social Science, additional 10 units.

5 University of California (Berkeley)
School of Business Administration

Junior standing in any of the colleges of the University of California, Economics 1-2, 14-15, and Mathematics 9 should be completed in Glendale College.

6 University of California at Los Angeles—
College of Business Administration

The requirements for junior standing are:

a. General University Requirements
   - English Subject A
   - Physical Education, 4 semesters
   - Military Science and Tactics (men)

   (Note: If a student completes two years of work in a junior college he is exempt from this requirement, but must increase elective units.)

b. (1), (2) or (3):
   - (1) Foreign Language—At least 16 units in one foreign language. The first two years of high school work in a foreign language will together be counted in satisfaction of four units of this requirement; the third and fourth years will be counted in satisfaction of four units each.
   - (2) Natural Science—at least 14 units chosen from the following list, including not less than 4 units of college courses with laboratory work. Courses marked with an asterisk (*) meet the laboratory requirement:
     - High school chemistry (3 units)
     - High school physics (3 units)
     - Biology 1
     - Botany 1*
     - Chemistry 11-12*
Physics 5-6*  
Zoology 1*  

(3) Foreign Language and Natural Science—At least 25 units in foreign language and natural science, of which 16 units must be in not more than two languages and nine units must be natural science courses listed above, including at least three units with laboratory work. In partial fulfillment of this requirement (but not in satisfaction of unit requirements for a degree) the first two years of high school work in a foreign language will be counted together in satisfaction of four units each; one year only of chemistry or physics completed in the high school will count as three units and will satisfy the requirements of laboratory work.

c. Social Science  
(This requirement may be satisfied in upper division)
At least six units in social science chosen from the following:  
History 1-2, 3-4, 17-18  
Political Science 1-2  
Psychology 1-2 or 5

d. Required courses:
Economics 1-2  
Economics 14-15  
English 1  
Geography 31-32  
Mathematics 1-9  
Speech 3

e. Mathematics: Elementary algebra (Mathematics 41) and plane geometry (Mathematics 40)

f. Electives:
Electives should be chosen to complete a minimum of 64 units.

7 University of California at Los Angeles—
College of Applied Arts

The College of Applied Arts was established on the Los Angeles campus to meet the demand for training of a specialized character which has a technical or professional appeal, to organize certain scientific and scholarly studies into suitable curricula which may be applied in the vocational fields of industry and the crafts, and to provide curricula for the training of teachers in specialized areas. Students who expect to transfer to U.C.L.A. to major in Apparel Design, Apparel Merchandising, Art, Dance, Home Economics, Music, Physical Education, and Theater Arts should enroll in the College of Applied Arts. The lower division requirements of the College of Applied Arts are:

a. General University Requirements
   English Subject A  
   Physical Education, 4 semesters
Military Science and Tactics (men)
(Note: If a student completes two years of work in a junior college, he is exempt from this requirement, but must elect other units in its place.)

b. Foreign Language, Natural Science, combination of Foreign Language and Natural Science, (1), (2), or (3).

(1) At least 16 units in one foreign language. High school work with a grade of "C" or better may be counted as four units for the first two years and four units for third and fourth years.

(2) At least 12 units of natural sciences chosen from the following list including one laboratory science. Courses marked with an asterisk (*) satisfy laboratory requirement.

- Biology 1
- Botany 1*, 2*
- Chemistry 1*, 2*, 3*, 4*, 5*, 6*, 11-12*, 15-16*
- Geography 1
- Geology 1-2
- Paleontology 1
- Physics 1*, 2*, 3*, 4*, 5*, 6*, 10
- Zoology 1*, 2*

(3) A combination of foreign language and natural science distributed as follows:

Foreign Language: At least 16 units in not more than two languages. High school work with grades of "C" or better may count as four units for the first two years together, and four units each for the third and fourth years. If a new language is begun in college, it may not apply on this requirement unless course 2 is completed.

Natural Science: At least nine units chosen from the natural science list set forth above, of which not less than one unit must be in laboratory work. Three units of mathematics not offered in satisfaction of (d) may be substituted for three units of this requirement.

c. Mathematics

Elementary algebra and plane geometry.

d. Three year courses. A year course chosen from three of the following groups, at least one of which must be chosen from 1, 2, or 3:

1. English 1-2, 5-6, or Speech 3-4.
2. Foreign Language additional to (b) above. No high school work may be counted.
3. Mathematics chosen from Mathematics 2, 3, 4, 5, 6, 8, 9.
4. Social Science chosen from Economics 1-2, History 1-2, or 3-4, or 17-18, Geography 1-2, Political Science 1-2, Sociology 1-2.
5. Psychology 1-2 or 5
6. Philosophy 1-2
7. Art 1-2, or 3-4, or 5-6; Music 3-4, or 5-6

University of California—Santa Barbara College

University of California, Santa Barbara College, at the present time does not maintain the entrance requirements in force on other campuses of the University.

a. Lower Division Requirements. English, 9 units; Natural Science, 9 units; Psychology, 3 units; Philosophy, 3 units; Social Sciences, 9 units; Applied Arts, 9 units.

b. Admission to Advanced Standing. A "C" average is required in all previous work of college level completed.

c. Admission Directly from High School.
Applicants who present evidence of having been accepted as regular students at the University of California at Berkeley or Los Angeles may be admitted as regular students at Santa Barbara College.

Students from four-year high schools must have a minimum of 12 units with an average of "B" from the following 16 required units.

English—3 units
This requirement must be satisfied by credit designated as English and consists of 6 semesters of preparation in written and oral expression, and in literature.

History—1 unit
This requirement may be fulfilled by any 2 semesters of United States History or United States History and Civics.

Mathematics—1 unit
This may be satisfied with any one-year course in high school mathematics.

Restricted Electives—4 units
This requirement may be satisfied by 8 semesters of high school work taken in the areas of English, Social Science, Foreign Language, Mathematics, and Natural Science.

Unrestricted Electives—7 units
This requirement may be satisfied by any 14 semesters of work taken in areas offered in the high school curriculum.

Students from three-year high schools must have a minimum of 9 units with an average grade of "B" from the following 12 units as described above under the four-year program:
English—2 units
History—1 unit
Restricted Electives—3 units
Unrestricted Electives—6 units.

9 State Colleges of California

Fresno, San Diego, San Francisco, San Jose, etc.

The following requirements are common to all State Colleges and are prescribed by ruling of the State Board of Education.

1. English, 6 units
2. Physical Education and Hygiene, 4 units
3. Social Science, 12 units including a course in the study of American Institutions and Ideals.
4. Natural Science, 12 units including both physical and biological science. High school chemistry or physics if taken in the junior or senior year may count as three units each toward the total of 12 units.
5. Psychology, 3 units.
6. Electives, 23 units. At least six units must be earned in each of two subjects chosen in major or minor fields.
7. Earn "C" average or higher in 60 units.

In addition to these requirements certain other subjects are prescribed or recommended as follows:

Required: Elementary algebra, plane geometry, two years of a foreign language in high school or one year of a foreign language in college; a year of English composition in college. In some cases substitutions may be offered for the mathematics and foreign language at San Jose, San Francisco, and San Diego if the student's major field of emphasis makes such advisable.

Recommended: Art, music, literature, dramatics, first aid.

A student expecting to transfer to a State College is advised to examine carefully the current catalog of the particular college he expects to enter and to follow as closely as possible its particular recommendations for program study.

10 Occidental College

The requirements for junior standing are: English composition, 4 units; foreign language, *8-0 units; humanities, 10 units; natural science, 12 units; social science, 16 units; speech, 4 units; Biblical literature, *4-0 units; and electives, 6-18 units.

Note: To qualify for a degree from Occidental it is necessary to maintain a grade average of "B" or better.

*If necessary to substitute lower division electives which are prerequisite to a student's major area of concentration, these graduation requirements may be postponed until the last two years of college.
INDEX

Absence, leave of, 40
Accounting, 81
Activities, 34
    period, 30
Address, college, 24
Administration, 13
    Office, 29
Admission, 32
Aeronautical engineering, 57
Agricultural economics, 59
Agricultural education, 60
Agriculture, 58
Aircraft—
    evening classes, 23
    maintenance and service, 45
    A and E licenses, 45
Airlines industry, 45
    administration, 45
    hostess, 45
Anatomy, 81
Animal science, 58
Apparel design, 47, 72
Appendix, 120
Architectural drafting, 47
Architecture, 81
    fine arts, 61
Art, 82
    advertising, 44
    animation, 46
Astronomy, 85
Athletics, 30
Attendance, 40
    permits, 33
Aviation, 85
    education, 28
    evening classes, 23, 28
Bacteriology, 61, 87
Biology, 87
Board of Education, 13
Bookkeeping, 48, 91
Bookstore, 30
Botany, 61, 87
Buildings, 24
Business Administration—
    U. C., 62, 125
    U. C. L. A., 62, 125
Cafeteria, 50
Calendar, 10, 12
Catalogs, other colleges, 37, 42
Chemistry, 62, 87
Classes, schedule of, 23
Clerical curriculum, 48
Clubs, 13, 30
Commerce, 89
    bookkeeping, 48, 91
    clerical, 48
    merchandising, 52, 72, 92
Consultation service, 13
Constitution requirement, 43
Costs, 33
Counselors, 13, 34
Courses—
    content, 81
    repetition, 40
Credit, 81
    military, 27
Curricula—
    courses and content, 81
    general, 65
    semi-professional, 44
    transfer, 57
Decorative art, 73
Deficiencies—
    high school, 25, 36, 57
    removal of, 96, 57
Degree—
    associate in Arts, 43
Dental Hygiene, 63
Dentistry, 63
Dismissal, 39, 41
Economics, 64, 94
Engineering, 64, 94
English, 65, 95
   requirement, 43
English Placement Test, 34
Electrical Technician, 49
Eligibility, 32, 35
Employment, 18, 30, 38
Entomology, 59
Entrance, regulations concerning, 32
Evening classes, 23, 28
Examinations—
   counseling, 34
   final, 10, 41
   pre-registration, 10
Faculty, 14
Finance and Accounting, 49
Flight training, 49
Foreign language, 65
Forestry, 59

Geography, 66, 97
Geology, 66, 98
German, 65, 98
Grade points, 40
Grades, 10, 38, 39
   incomplete, 39
"F", 10, 39
   requirements, 39, 43
"W", 40, 41
Graduation—
   high school, 27
   requirements, 43
Guidance, 34

Health examinations, 29
History, 66, 99
   requirement, 43
Home Arts, 50, 101
Home Economics, 60, 67
Honor societies, 31

Hygiene, 103
   requirement, 43

Industrial Arts, 67
Information, general, 24
International Relations, 68

Journalism, 68, 103

Laboratory technicians, 51
Landscape design, 60
Law, 68, 104
Librarianship, 70
Library, 24
Library Science, 104
Location, 24
Lower division, general, 25

Machine manufacturing, 52
Machine shop, 118
   evening classes, 23
Major, graduation, 43
Mathematics, 71, 104
Medical Technician, 71
Medicine, 71
Merchandising, 52, 72, 92
Music, 53, 73, 106

Nurse's education, 28, 74

Occidental College, 73, 129
Optometry, 75
Osteopathy, 75

Palentontology, 108
Parasitology, 59
Pharmacy, 75
Philosophy, 109
Photography, 58, 109
Physical Education, 41, 76
   exemption from, 41
   men, 109
   requirement, 43
   women, 110
Physical Therapy, 76
Physics, 77, 111
Physiology, 113
Plant Science, 58
Police training, 54, 113
Political Science, 77, 114
requirement, 43
Pomona, music, 73
Portuguese, 114
Prerequisites, 35
courses, 81
Probation, 39
Psychology, 77, 115
Public Health, 78

Radio production, 56
Recreation, 24
Registration, 10, 11, 32
Regulations, 33
Residence requirements, 32
Retailing, U.S.C., 72

Santa Barbara College, 67, 128
Schedule—
class, 23
registration, 11
Scholarship standards, 38
Scholarships, 29
Secretarial training, 55, 89, 90
Semi-professional training, 25
courses, 44
Sheetmetal Manufacturing, 55
Social Science, 116
Social Welfare, 78
Sociology, 116
Soil Science, 60
Spanish, 65, 116
Speech, 56, 117
Stagecraft, 118
Stanford University—
lower division requirements, 124
State colleges, 67, 129

Students, associated, 30
student union, 30
Summer session, 23, 28

Teaching, 78
Teaching credentials, 79
Technology, 118
Tests, counseling, 34
Tool manufacturing, 52
Transcripts, 13, 32, 41
Transfer courses, 57

Transfers—
to colleges, 37, 57
to Glendale College, 32
to Occidental, 73, 129
to Pomona, 73
to state colleges, 129
to U.C., 35, 38, 57, 58, 62, 63, 64, 69, 73, 76, 120, 125, 128
to U.C.L.A., 62, 64, 72, 73, 76, 121, 125, 126
to U.S.C., 57, 61, 72, 73, 123
to university, 36, 57

Units of work, 38, 81
limitations, 38, 39
University of California (Berkeley)
admission, 35
agriculture, 58
business administration, 62
decorative art, 73
dental hygiene, 63
engineering, 64
home economics, 67
lower division requirements—
business administration, 125
letters and science, 69, 120
maximum transfer units, 23, 38
music, 73
physical education, 76
transfer programs, 57
University of California at Los Angeles
apparel design, 72
business administration, 62
engineering, 64
home economics, 67
lower division requirements—
  applied arts, 126
  business administration, 125
  letters and science, 121
music, 73
physical education, 76
University of Southern California
aeronautical engineering, 57
architecture and fine arts, 61
lower division requirements—
  letters, arts, and science, 123
music, 73
retailing, 72
Veterans
  education, 26
  G. I. Bill (P.L. 346), 26, 33, 35
  Guidance Center, 13, 26, 34, 35
  Public Law 16, 26, 35
  state rehabilitation, 27
Withdrawal, 41
Zoology, 80, 110
Aerial View of College Campus

A Close Glimpse Showing Temporary Buildings
Athletics, Intercollegiate and Intramural, Are An Important Part of College Life
Above, 1947 Basketball Champions
Below, Campus Hockey Game
Advertising Art Is One of Many Two-Year Training Programs Designed to Prepare the Student to Earn His Living
Commencement at Glendale College

The Foundation for Success