Las Positas College publishes a full Catalog every two years. For the years in between, an Addendum is published. The Addendum contains important information that has been updated in the past year. The next full Catalog will be published in the Spring Semester of 2008, and will span 2008-2010.

The following question and answer section is designed to respond to common questions about how to use this important document. As always, it is recommended that students seek the guidance of counselors for course, program and transfer planning. In this way, you will be able to access all of the most up-to-date information available.

Q. Why do we have an Addendum?
A. The College is constantly updating curriculum, program requirements and College information. It is important to have a print and web document which helps students and staff locate all of these changes.

Q. How do I use the Addendum?
A. The Addendum is to be used alongside the 2006-2008 catalog, not in isolation. Check your program and course of interest to see if there have been any changes. Meet with your counselor if you have questions about how these changes affect your academic plan.

Q. Does the Addendum supersede the Catalog?
A. The Addendum is just that, an addition to the 2006-2008 Catalog. Whatever is listed in the Addendum in terms of new courses and or new program requirements, does supersede what is in the Catalog. However, in terms of Catalog rights, if you began a program in Fall 2006 or Spring 2007, you will be able to adhere to the requirements listed in the 2006-2008 Catalog, as long as you have no break in enrollment until the time of your completion. Once again, if you have questions about programs and courses, see a counselor.

Q. Where can I find the Addendum?
A. The Addendum is on the web, and has been incorporated into the Catalog on our website. There are hard copies in the Library, Counseling, Career, Transfer Employment Center and Division offices. If you would like to purchase an Addendum, they are available for sale in the Bookstore.

We hope that this document will be helpful to you, if you have any questions about the content or any other part of this document, please contact the counseling office and ask to see or speak with a counselor at 925 424-1400.
## Fall 2007 Semester

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 20</td>
<td>REGULAR FULL TERM INSTRUCTION BEGINS</td>
</tr>
<tr>
<td>August 25</td>
<td>Instruction Begins for Saturday Classes</td>
</tr>
<tr>
<td>August 31</td>
<td>Last Day to ADD/DROP with No Grade of Record (NGR) in-Person</td>
</tr>
<tr>
<td>September 3</td>
<td>Labor Day Weekend (no Saturday classes)</td>
</tr>
<tr>
<td>September 3</td>
<td>Last Day to ADD/DROP (NGR) via “CLASS-Web”</td>
</tr>
<tr>
<td>September 3</td>
<td>Labor Day Holiday (no instruction)</td>
</tr>
<tr>
<td>September 4</td>
<td>CENSUS DAY</td>
</tr>
<tr>
<td>September 21</td>
<td>Last Day to Apply for Credit/No Credit</td>
</tr>
<tr>
<td>October 30</td>
<td>60% Point for Financial Aid</td>
</tr>
<tr>
<td>November 2</td>
<td>Last day to Apply for Graduation</td>
</tr>
<tr>
<td>November 9</td>
<td>Last Day to Withdraw with a “W” in person and on Class-Web</td>
</tr>
<tr>
<td>November 10</td>
<td>Veterans Day Holiday (no instruction)</td>
</tr>
<tr>
<td>November 12</td>
<td>Saturday Classes Meet</td>
</tr>
<tr>
<td>November 21-24</td>
<td>Thanksgiving Recess (no instruction)</td>
</tr>
<tr>
<td>December 8</td>
<td>Last Day of Saturday Classes</td>
</tr>
<tr>
<td>December 14</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>December 15</td>
<td>Final Exams, Saturday Classes</td>
</tr>
<tr>
<td>December 17-21</td>
<td>Final Examination Period</td>
</tr>
<tr>
<td>December 24-Jan 2</td>
<td>Semester Recess (no instruction)</td>
</tr>
</tbody>
</table>

## Spring 2008 Semester

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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</thead>
<tbody>
<tr>
<td>Dec. 22-Jan. 2</td>
<td>Winter Break - CAMPUS CLOSED</td>
</tr>
<tr>
<td>Jan. 21</td>
<td>HOLIDAY - Martin Luther King</td>
</tr>
<tr>
<td>Jan. 22</td>
<td>REGULAR FULL TERM INSTRUCTION BEGINS</td>
</tr>
<tr>
<td>Jan. 26</td>
<td>Instruction begins for Saturday Classes</td>
</tr>
<tr>
<td>Feb. 8</td>
<td>Last Day to ADD/DROP with NGR (No Grade of Record) in person</td>
</tr>
<tr>
<td>Feb. 10</td>
<td>Last Day to ADD/DROP with NGR via CLASS-Web</td>
</tr>
<tr>
<td>Feb. 11</td>
<td>CENSUS DAY</td>
</tr>
<tr>
<td>Feb. 15, 16 &amp; 18</td>
<td>HOLIDAY - President’s Weekend (no Saturday classes)</td>
</tr>
<tr>
<td>Feb. 22</td>
<td>Last Day to Apply for Credit/No Credit</td>
</tr>
<tr>
<td>Mar. 22</td>
<td>Saturday Classes Meet</td>
</tr>
<tr>
<td>Mar. 24-29</td>
<td>SPRING BREAK (no instruction)</td>
</tr>
<tr>
<td>Apr. 11</td>
<td>Last Day to Withdraw with a “W” in person and on Class-Web</td>
</tr>
<tr>
<td>Apr. 13</td>
<td>60% Point for Financial Aid</td>
</tr>
<tr>
<td>Apr. 18</td>
<td>Last day to Apply for Graduation</td>
</tr>
<tr>
<td>May 17</td>
<td>Last Day of Saturday Classes</td>
</tr>
<tr>
<td>May 23</td>
<td>Last Day of Classes</td>
</tr>
<tr>
<td>May 24</td>
<td>Final Exams, Saturday Classes</td>
</tr>
<tr>
<td>May 26</td>
<td>HOLIDAY - Memorial Day</td>
</tr>
<tr>
<td>May 23, 27-30</td>
<td>Final Examination Period</td>
</tr>
<tr>
<td>May 30</td>
<td>Commencement</td>
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</table>
### California State University General Education (GE) Breadth Requirements 2007 - 2008 (Effective Fall 2007)

**USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS:** N= NEED  
IP= IN PROGRESS  
C= COMPLETED  

<table>
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<tr>
<th>N</th>
<th>IP</th>
<th>C</th>
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</table>

#### AREA A: COMMUNICATION in the ENGLISH LANGUAGE and CRITICAL THINKING
Select at least 1 course from each Group below, total 9 units required; must be completed with a grade of C or better.

**A1: Oral Communication**  
Speech 1, 46

**A2: Written Communication**  
English 1A

**A3: Critical Thinking**  
English 4, 7 or Speech 46

#### AREA B: PHYSICAL AND LIFE SCIENCES AND MATHEMATICS
Select at least 1 course from each Group listed below, minimum 9 units required.

**B1: Physical Science**
- Astronomy 1, 10, 20, 30
- Chemistry 1A, 1B, 30A, 30B, 31
- Geography 1, 1L, 8
- Geology 1, 1L, 3, 3L, 12, 12L
- Physics 2A, 2B, 8A, 8B, 8C, 8D, 10, 10L

**B2: Life Science**
- Anatomy 1
- Anthropology 1*, 1L
- Biology 1, 5, 10, 20, 31, 40, 50
- Botany 1

**B3: Physical or Life Science Laboratory**  
One of the courses selected from Group B1 or B2 must include a laboratory. Underlined courses are lab courses. Lab must be associated with the lecture course.

**B4: Mathematics**  
Select 1 course; must be completed with a grade of C or better.  
Mathematics 1, 7, 20, 33, 34, 36, 38, 41, 42A, 42B, 44, 45

#### AREA C: ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGE
Select 3 courses from below, minimum 9 units; at least 1 course from ARTS, 1 course from HUMANITIES

**C1: Arts**  
Select at least 1 course from below
- Art 1, 2A, 3A, 4, 5, 10, 11
- Creative Arts 10
- Music 1, 2, 4, 5, 6, 8A, 8B, 12, 44, 45
- Photography 67
- Theater Arts 1A, 4, 5, 10, 11, 12, 14, 25, 40
- Welding Technology 71

**C2: Humanities**  
Select at least 1 course from below
- American Sign Language 2A, 2B
- English 3, 11, 12, 13, 20, 23, 27, 32, 44*, 45
- French 2A, 2B
- History 1*, 2*
- Humanities 1, 3, 10, 28, 35, 40, 44
- Philosophy 1, 2, 4, 7, 25
- Religious Studies 1, 2, 11
- Spanish 2A, 2B
- Speech 2A, 5

*Also listed in Area D but can only be used in one area.

#### AREA D: SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIOR
Select 3 courses from below, minimum 9 units from at least 2 different subjects from groups D1 through D0

**D1: Anthropology and Archeology**
- Anthropology 1*, 2, 3, 5, 12  
  *Also listed in Area B but can only be used in one area.

**D2: Economics**
- Economics 1, 2, 5, 10

**D3: Ethnic Studies**
- Anthropology 5
- English 23, 44*
- History 14, 15, 16, 22, 25, 28
- Psychology-Counseling 13
- Sociology 3  
  *Also listed in Area C but can only be used in one area.

**D4: Gender Studies**
- History 32
- Sociology 11

**D5: Geography**
- Geography 2, 5, 12, 15

**D6 – History**
- History 1*, 2*, 7, 8, 14, 25, 28, 32  
  *Also listed in Area C but can only be used in one area

**D7: Interdisciplinary Social or Behavioral Science**
- Business 30
- Early Childhood Development 51, 62
- Marketing 50
- Mass Communications 5
- Psychology-Counseling 13

**D8: Political Science, Government & Legal Institutions**
- Political Science 7, 12, 20, 25, 30

**D9: Psychology**
- Early Childhood Development 15***
- Psychology 1, 2, 3, 4*, 6, 12**, 15***  
  * Also listed in Area B but can only be used in 1 area
  ** Also listed in Area E but can only be used in 1 area
  *** ECD 15 + Psych 15, maximum credit 3 units

**D0: Sociology and Criminology**
- Sociology 1, 3, 4, 6, 11

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[...]

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[...]

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[...]

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[...]

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California State University General Education (GE) Breadth Requirements
2007 - 2008 (Effective Fall 2007)

USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED, IP=IN PROGRESS, C=COMPLETED

<table>
<thead>
<tr>
<th>N</th>
<th>IP</th>
<th>C</th>
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</thead>
</table>

### AREA E: LIFE LONG UNDERSTANDING AND SELF DEVELOPMENT
Select 3 units from below

Health 1, 2
Nutrition 1
Physical Education 1****, 2****, 24**
Psychology 10, 12*, 24**
Psychology-Counseling 7***, 10, 11, 14
Sociology 7
Speech 10
* Also listed in Area D but can only be used in one area.
** Psych 24 + PE 24, 3 units maximum credit.
*** For Area E credit, course must be taken once for 3 units.
**** Limit 2 units

### AMERICAN INSTITUTIONS REQUIREMENT: Complete 1 of the groups below
Completion of the United States History, Constitution, and American Ideals Requirement is required for graduation from any CSU Campus. All CSUs will allow up to 6 of the units taken to meet this requirement to be credited toward satisfying the General Education Breadth Requirements in Area D.

GROUP 1 – History 7 + History 8
GROUP 2 – Political Science 7 + History 7, 8, 25, or 32

PLEASE NOTE THIS IMPORTANT INFORMATION
1. For a course to meet a CSU GE requirement the course must be on the CSU GE list during the academic year it is taken.
2. To earn a bachelor’s degree from the California State University, students must complete a 48 unit program of general education. Las Positas College students can complete 39 of these units by completing the requirements listed in this chart. Completion of these requirements will permit a student to transfer from Las Positas College to the CSU without the need after transfer to take additional lower-division general education courses. Las Positas College will certify completion of 39 units of general education courses. The remaining 9 units of the required 48 must be completed after reaching upper-division status (completion of 60 semester units) and after transfer to the CSU.
3. Certification is not automatic. Students must request certification from the Las Positas College Counseling Office at the end of the last semester of attendance. The final transcript should be ordered at this time. Failure to complete full certification will cause courses to be reviewed differently at the receiving campus.
4. Students are strongly encouraged to meet with a counselor for help with selection of appropriate courses.

General Education Reciprocity Program with Community Colleges

The Chabot-Las Positas Community College District has entered into a mutual agreement with eight other local community colleges to accept the General Education and graduation proficiency of these colleges as completed for Chabot College and Las Positas College. The other participating colleges are:
- DeAnza College (Cupertino),
- Evergreen Valley College (San Jose),
- Foothill College (Los Altos Hills),
- Gavilan College (Gilroy),
- Mission College (Santa Clara),
- Ohlone College (Fremont),
- San Jose City College (San Jose),
- West Valley College (Saratoga).

Effective Fall 2007, students who obtain an official General Education Reciprocity Program Certification (which verifies completion of Associate Degree General Education and graduation proficiency) or complete an associate degree at any one of the participating colleges will have both their General Education course work and graduation proficiency accepted as completing Chabot College’s and Las Positas College’s General Education and graduation proficiency for the Associate of Arts and/or the Associate of Science Degree. No additional general education course work will be required if the certification is officially presented. Students will still be required to complete all courses and prerequisites needed for a major. The agreement also means that the other participating colleges will accept the General Education and graduation proficiency pattern of Chabot College and Las Positas College if an official General Education Reciprocity Program Certification is presented at any of the member colleges. Students must request certification in the Counseling Office in Building 700. This agreement will be reviewed periodically.
**Intersegmental General Education Transfer Curriculum (IGETC)**

2007 – 2008 (Effective Fall 2007)

May be used for General Education Certification for the University of California and/or the California State University

**USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED  IP=IN PROGRESS  C=COMPLETED**

<table>
<thead>
<tr>
<th>AREA 1: ENGLISH COMMUNICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSU: Select 3 courses, total 9 units required, select 1 from EACH group below</td>
</tr>
<tr>
<td>UC: Select 2 courses, total 6 units required, select 1 from Group 1A and 1 from Group 1B</td>
</tr>
</tbody>
</table>

**GROUP 1A: English Composition (3 units)**
- English 1A

**GROUP 1B: Critical Thinking/English Composition (3 units)**
- English 4 or 7

**GROUP 1C: Oral Communication - CSU only (3 units)**
- Speech 1 or 46

**AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING**
Select 1 course from below; minimum 3 units required
- Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 42A, 42B, 44, 45

**AREA 3: ARTS AND HUMANITIES**
Select 3 courses from below, minimum 9 units; at least 1 course from ARTS, 1 course from HUMANITIES

**ARTS:** Select at least 1 course from below
- Art 1, 4, 5
- Creative Arts 10
- Music 1, 4, 5, 8A, 8B
- Photography 67
- Theater Arts 4, 10, 11, 12, 14*
  *Minimum of 3 units required to clear requirement

**HUMANITIES:** Select at least 1 course from below
- American Sign Language 2A, 2B
- English 3, 20, 23, 27, 32, 44, 45
- French 2A, 2B
- Humanities 1, 3, 10, 28, 35, 44
- Music 2
- Philosophy 1, 2, 4, 25
- Religious Studies 1, 2, 11
- Spanish 2A, 2B

**AREA 4: SOCIAL AND BEHAVIORAL SCIENCES**
Select 3 courses, minimum 9 units from at least 2 subjects below
*Indicates courses may be listed in more than one area but will NOT be certified more than once

**Anthropology 1*, 2, 3, 5, 12**
- Economics 1, 2, 5, 10
- Geography 2, 5, 12
- History 1, 2, 7, 8, 14, 25, 28, 32

**Mass Communications 5**
- Political Science 7, 20, 25, 30
- Psychology 1, 2, 3, 4*, 6, 12
- Psychology-Counseling 13
- Sociology 1, 3, 4, 6, 11

**AREA 5: PHYSICAL SCIENCE AND BIOLOGICAL SCIENCE**
Select 1 Physical Science course and 1 Biological Science course from below; minimum 7 units;
1 course must include a laboratory indicated with an underline
*Courses may be listed in more than one area but will NOT be certified more than once

**PHYSICAL SCIENCE**
- Astronomy 1, 10, 20, 30
- Chemistry 1A, 1B, 12A, 12B, 30A, 30B, 31
- Geography 5, 11, 12
- Geology 1, 1L, 3L, 12, 12L
- Physics 2A, 2B, 8A, 8B, 8C, 8D, 10, 10L

**BIOLOGICAL SCIENCE**
- Anatomy 1
- Anthropology 1*
- Botany 1
- Ecology 10
- Microbiology 1
- Physiology 1
- Psychology 4*
- Zoology 1

**AREA 6: LANGUAGE OTHER THAN ENGLISH - UC REQUIREMENT ONLY**
Proficiency in a language other than English may be met in one of the ways listed below

1. Complete 1 of the following courses or a higher level: ASL 1A, French 1A, Italian 1A, Spanish 1A.
2. Complete 2 years of high school study in the same language, completed with a grade of ‘C’ or higher.
3. Demonstrating equivalent proficiency prior to transfer may also satisfy this requirement.
   See counselor for details.

**AMERICAN INSTITUTIONS REQUIREMENT - CSU GRADUATION REQUIREMENT ONLY**
Complete 1 of the combinations below
Courses used to fulfill this requirement may not be used to satisfy any other area.

**Group 1:** History 7 and History 8
**Group 2:** Political Science 7 and one of the following: History 7, 8, 25, 32

**PLEASE NOTE THIS IMPORTANT INFORMATION**
1. For a course to meet an IGETC requirement the course must be on the IGETC list during the academic year it is taken.
2. All courses must be completed with a grade of ‘C’ or better.
3. Not all majors should follow IGETC; see a counselor.
4. The UC System may limit transfer credit on specific courses or course sequences; see a counselor.
5. Certification is not automatic. Students must request certification from the Las Positas College Counseling Office at the end of the last semester of attendance. The final transcript should be ordered at this time. Failure to complete full certification will cause courses to be reviewed differently at the receiving campus.
FAQS
Intersegmental General Education Transfer Curriculum (IGETC)

Q: What is the Intersegmental General Education Transfer Curriculum (IGETC)?
A: The Intersegmental General Education Transfer Curriculum (IGETC) is a general education program which community college transfer students can use to fulfill lower-division general education requirements in either the CSU or UC system without the need, after transfer, to take additional lower-division general education courses.

Q: Will all UC and CSU campuses accept the IGETC?
A: NO. UC San Diego’s Eleanor Roosevelt and Revelle Colleges and UC Berkeley’s Haas School of Business will NOT accept IGETC.

Q: Is it advisable for all transfer students to follow the IGETC?
A: NO. Some students may be better served by taking courses that fulfill the CSU General Education Breadth requirements or those of the UC campus or college to which they plan to transfer. Students pursuing majors that require extensive lower-division major preparation may not find the IGETC option to be advantageous. The IGETC will probably be most useful for students who want to keep their options open before making a final decision about transferring to a particular CSU or UC campus.

Q: Is IGETC an admission requirement?
A: NO. There is no connection between completion of the IGETC and eligibility for admission to the CSU or UC system, or admission to a specific campus or program.

Q: What alternatives to IGETC exist?
A: Community college students who are CSU-bound still have the option of completing the CSU General Education Breadth requirements. Students who are UC-bound still have the option of completing the general education requirements of the receiving UC campus or the minimum requirements listed on ASSIST.org>select Las Positas College>click UC Transfer Admission Eligibility.

Q: What is IGETC certification?
A: IGETC certification is the process by which the community college verifies that a student has completed all the required coursework for the IGETC pattern. The certification is sent to the transfer institution by the community college. If IGETC is not completed and certified, students may be subject to the lower-division general education requirements of the campus to which they transfer. Students must request certification of IGETC in the Counseling Office at the end of the last semester before transferring (forms may also be obtained in the Admissions & Records Office).

Transfer with an Associate in Arts Degree in Liberal Arts and Sciences
Transfer students may complete an AA in Liberal Arts and Sciences while completing the IGETC requirements. Students need to complete the IGETC requirements and additional LPC graduation requirements plus elective units to total a minimum of 60 UC transferable units, as outlined below. See a counselor for more details.

1. Complete the IGETC requirements (see other side of this page)
2. LPC Graduation Requirements
   a. American Institutions (3 units)
   b. American Cultures: (this course can be double-counted where appropriate)
      Anthropology 5; English 44; History 14, 28, 32; Music 4,5; Psychology-Counseling 13;
      Sociology 3; Speech 11; Theater Arts 4
   c. Wellness – Health 1 (3 units) and P.E. (1 unit)
   d. Electives
Las Positas College General Education Pattern for Associate in Arts Degree  
2007 – 2008 (Effective Fall 2007)

<table>
<thead>
<tr>
<th>USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED</th>
<th>IP= IN PROGRESS</th>
<th>C= COMPLETED</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANGUAGE AND RATIONALITY</td>
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</tr>
<tr>
<td>ENGLISH COMPOSITION  Complete 1 course from below</td>
<td>3 UNITS</td>
<td></td>
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<tr>
<td>English 1A, 3</td>
<td></td>
<td></td>
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<tr>
<td>WRITING AND CRITICAL THINKING  Complete 1 course from below</td>
<td>3 UNITS</td>
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<tr>
<td>English 4, 7</td>
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<td></td>
</tr>
<tr>
<td>COMMUNICATION AND ANALYTICAL THINKING  Complete 1 course</td>
<td>3 UNITS</td>
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<tr>
<td>from below</td>
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<tr>
<td>American Sign Language 1A, 1B</td>
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<td>Business 52, 55</td>
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<td>CIS 50, 80</td>
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<td>Computer Science 1</td>
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<td>Electronics Technology 50</td>
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<td>Industrial Technology 74</td>
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<td>Mass Communications 1, 32</td>
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<tr>
<td>Mathematics 1, 2, 20, 33, 34, 36, 38, 41, 42A, 44, 45, 55, 55A, 55B, 57, 65, 65B, 71</td>
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<td>Communications</td>
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<td>Speech 1, 2B, 10, 46</td>
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<tr>
<td>Theater Arts 3, 25</td>
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<tr>
<td>MATHEMATICS Proficiency in Mathematics may be met in one of</td>
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<tr>
<td>the ways specified below</td>
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<tr>
<td>1. Demonstrate eligibility for intermediate algebra</td>
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<td>using multiple measures such as the LPC Placement</td>
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<tr>
<td>Examination and previous course work; or</td>
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<tr>
<td>2. Submit documentation that a course equivalent to one of</td>
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<tr>
<td>the mathematics courses listed below has been completed</td>
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<tr>
<td>(with a grade of “C” or higher or “CR”) at another college/</td>
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<tr>
<td>university; or</td>
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<tr>
<td>3. Complete one of the following courses (with a grade</td>
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<tr>
<td>of “C” or higher or “CR”): Mathematics 1, 2, 20, 33, 34, 36, 38, 41, 42A, 44, 45, 55, 55A, 55B, 57, 65, 65B, 71, Business 55, Electronics Technology 50 or Industrial Technology 74</td>
<td></td>
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</tr>
<tr>
<td>NATURAL SCIENCES Complete 1 course from below</td>
<td>3 UNITS</td>
<td></td>
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<tr>
<td>* Meets either the Natural Sciences or Social and Behavioral</td>
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<tr>
<td>Sciences requirement</td>
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<td>Anatomy 1</td>
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<td>Anthropology 1L, 13*</td>
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<tr>
<td>Biology 1, 5, 10, 20, 31, 50</td>
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<tr>
<td>Biotechnology 1</td>
<td></td>
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<tr>
<td>Botany 1</td>
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</tr>
<tr>
<td>Chemistry 1A, 30A, 31</td>
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<tr>
<td>Ecology 10</td>
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</tr>
<tr>
<td>Geography 1*, 1L, 8, 15*</td>
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<tr>
<td>Geology 1, 1L, 3L, 12, 12L</td>
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<tr>
<td>Microbiology 1</td>
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<tr>
<td>Physics 2A, 8A, 10, 10L</td>
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<tr>
<td>Physiology 1</td>
<td></td>
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<tr>
<td>Psychology 20*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zoology 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUMANITIES Complete 1 course from below</td>
<td>3 UNITS</td>
<td></td>
</tr>
<tr>
<td>* Meets Humanities and/or American Cultures requirement</td>
<td></td>
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<tr>
<td>American Sign Language 2A</td>
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<td>Art 1, 2A, 3A, 4, 5, 10</td>
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<tr>
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<td>English 11, 12, 13, 20, 23, 27, 32, 44*, 45</td>
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<tr>
<td>French 2A</td>
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<tr>
<td>History 1, 2</td>
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<tr>
<td>Humanities 1, 3, 7, 10, 28, 35, 40, 44</td>
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<tr>
<td>Music 1, 2, 4*, 5*, 12, 14, 14, 43, 44, 45, 46A, 46B</td>
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<td>Philosophy 1, 2, 3, 4, 5, 7, 25</td>
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<td>Physics 10</td>
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<td>Speech 1A, 2B, 10, 46</td>
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<td>Spanish 2A</td>
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<tr>
<td>Speech 2A, 5, 11*</td>
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<tr>
<td>Theater Arts 1A, 1B, 4*, 10, 12, 47, 48</td>
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<tr>
<td>SOCIAL AND BEHAVIORAL SCIENCES Complete 1 course</td>
<td>3 UNITS</td>
<td></td>
</tr>
<tr>
<td>* Meets Social &amp; Behavioral Sciences and/or American</td>
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<tr>
<td>Cultures requirement</td>
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<tr>
<td>** Meets either Natural Sciences or Social &amp; Behavioral</td>
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<tr>
<td>Sciences requirement</td>
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<td>Business 30</td>
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<td>Early Childhood Development 15, 51, 62</td>
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<td>Economics 1, 2, 5, 10</td>
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<tr>
<td>Geography 1**, 2, 5, 12, 15**</td>
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<tr>
<td>History 25, 28*, 32*</td>
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<td>Mass Communications 5</td>
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<tr>
<td>Political Science 20, 25, 30</td>
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<tr>
<td>Psychology 1, 2, 3, 4, 15, 20*</td>
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<tr>
<td>Psychology-Counseling 13*</td>
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<tr>
<td>Sociology 1, 3*, 4, 11</td>
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<tr>
<td>WELLNESS Complete 1 course from AREAS OF HEALTH and 1 unit</td>
<td>4 UNITS</td>
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<td>from PHYSICAL EDUCATION</td>
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<td>*Exemption is allowed for illness or physical disability</td>
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<tr>
<td>by filing a physician’s statement at the Admissions &amp;</td>
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<td>Records Office.</td>
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<tr>
<td>Students who hold an AA/AS Degree or higher are exempt.</td>
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<td>Areas of Health: Health 1</td>
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<tr>
<td>Physical Education*: PE 1, 2, 3, 4, 12, 30-48 or Dance 1</td>
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<tr>
<td>AMERICAN INSTITUTIONS (AI) Complete 1 course from below</td>
<td>3 UNITS</td>
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</tr>
<tr>
<td>partially satisfies CSU AI requirement</td>
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<tr>
<td>History 7, 8, 25, 32</td>
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<td>Political Science 7</td>
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<tr>
<td>AMERICAN CULTURES Complete 1 course from below with a grade</td>
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<tr>
<td>of “C” or higher or “CR”</td>
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<tr>
<td>Where appropriate, the course can simultaneously satisfy 1</td>
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<tr>
<td>other graduation or subject requirement</td>
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<tr>
<td>Anthropology 5</td>
<td></td>
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<tr>
<td>History 14, 28, 32</td>
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<tr>
<td>Music 4, 5</td>
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<tr>
<td>Psychology-Counseling 13</td>
<td></td>
<td></td>
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<tr>
<td>Sociology 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speech 11</td>
<td></td>
<td></td>
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<tr>
<td>Theater Arts 4</td>
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<tr>
<td>LAS POSITAS COLLEGE ASSOCIATE IN ARTS DEGREE GRADUATION</td>
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<tr>
<td>REQUIREMENTS</td>
<td></td>
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</tr>
<tr>
<td>1. Minimum of 60 units with a grade point average of 2.0 or</td>
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<tr>
<td>better (12 units must be completed at Las Positas College).</td>
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<tr>
<td>2. All requirements for the Major (minimum of 18 units) plus</td>
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<tr>
<td>electives to total 60 units.</td>
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<tr>
<td>3. General Education Requirements for the Associate in Arts</td>
<td></td>
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</tr>
<tr>
<td>Degree listed above.</td>
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</tbody>
</table>
The Associate in Arts Degree in Liberal Arts and Sciences (General) is designed for students who wish a broad knowledge of liberal arts and sciences. This flexible major can be taken by students who wish to earn a general associate degree or by those who plan to transfer. Since there are important differences among the three options, students are encouraged to meet with a counselor to determine the option which best satisfies their academic goals.

**Option 1 - Selected Studies**

This option is designed especially for those students who desire the benefits of a general college education and the opportunity to pursue a “major” of 18 units that is designed to meet personal, vocational or other academic needs. Students who choose this degree option will meet with a counselor to develop a Student Educational Plan (SEP).

For Option 1 complete the following requirements:
- LPC AA Degree General Education Unit Requirements: 25
- Courses for the Major*: 18
- Electives
- Total Units Required: 60

*To be selected from at least two Areas of Concentration

**Option 1 - Areas of Concentration:**

Students who choose Option 1 must complete 18 units selected from at least 2 of the 7 Areas of Concentration listed below:

1. **Business**
   - Business
   - Computer Information Systems
   - Marketing
   - Supervision

2. **Humanities**
   - Art
   - Creative Arts
   - Foreign Language
   - Humanities
   - Library Studies
   - Music
   - Philosophy
   - Photography
   - Religious Studies
   - Theater Arts
   - Visual Communications

3. **Language Arts**
   - English
   - Mass Communications
   - American Sign Language
   - Speech

4. **Mathematics and Science**
   - Anatomy
   - Astronomy
   - Biology
   - Biotechnology
   - Botany
   - Chemistry
   - Computer Science
   - Ecology
   - Geography 1, 1L, 8
   - Geology
   - Mathematics
   - Microbiology
   - Physical Science
   - Physics
   - Physiology
   - Zoology

5. **Physical Education and Health Science**
   - Dance
   - Health
   - Nutrition
   - Physical Education
   - Recreation and Leisure

6. **Social Science**
   - Administration of Justice
   - Anthropology
   - Early Childhood Education
   - Economics
   - Geography 2, 5, 12
   - History
   - Political Science
   - Psychology
   - Psychology-Counseling
   - Sociology

7. **Technology and Engineering**
   - Automotive Technology
   - Computer Networking Technology
   - Design Technology
   - Electronics Technology
   - Engineering
   - Fire Science Technology
   - Horticulture
   - Industrial Technology
   - Interior Design
   - Occupational Safety and Health
   - Radiation Safety
   - Vacuum Technology
   - Viticulture and Winery Technology
   - Welding Technology

**Option 2 - CSU Transfer**

This option is designed for students who plan to transfer to the California State University system and who want to complete and have certified the CSU General Education Breadth Requirements. Students will select courses that fulfill the CSU General Education Breadth Requirements and any additional LPC Graduation Requirements plus elective units to total 60 transfer units.

For Option 2 complete the following requirements:
- CSU General Education Breadth Requirements: 39

**ADDITIONAL LPC GRADUATION REQUIREMENTS:**
- American Cultures Requirement (this course can be double-counted where appropriate)
- Health 1 (this course can be double-counted in Area E)
- Physical Education
- Total Units Required: 60

**Option 3 - UC or CSU Transfer**

This option is designed for transfer students to fulfill lower-division general education requirements in either the CSU or UC system by completing the Intersegmental General Education Transfer Curriculum (IGETC). Students will select courses that fulfill the IGETC requirements and any additional LPC Graduation Requirements plus elective units to total 60 transfer units.

For Option 3 complete the following requirements:
- IGETC (Areas 1 - 5): 34-37
- Foreign Language Requirement for IGETC certification (UC Transfer Students only)

**ADDITIONAL LPC GRADUATION REQUIREMENTS:**
- American Institutions
- American Cultures Requirement (this course can be double-counted where appropriate)
- Health 1
- Physical Education
- Total Units Required: 60
Las Positas College General Education Pattern for Associate in Science Degree
2007 – 2008 (Effective Fall 2007)

**Las Positas College General Education Pattern for Associate in Science Degree**

**USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED  IP= IN PROGRESS  C= COMPLETED**

<table>
<thead>
<tr>
<th>N</th>
<th>IP</th>
<th>C</th>
</tr>
</thead>
</table>

**LANGUAGE AND RATIONALITY**

### ENGLISH COMPOSITION

Complete 1 course from below  
3 UNITS

English 1A, English as a Second Language 25

### COMMUNICATION AND ANALYTICAL THINKING

Complete 1 course from below  
3 UNITS

<table>
<thead>
<tr>
<th>American Sign Language 1A, 1B</th>
<th>Electronics Technology 50</th>
<th>Mathematics 1, 2, 20, 33, 34, 36, 38, 41, 42A, 44, 45, 55, 55A, 55B, 57, 65, 65B, 71</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business 52, 55</td>
<td>Foreign Language 1A, 1B</td>
<td>Speech 1, 28, 10, 46</td>
</tr>
<tr>
<td>CIS 50, 80</td>
<td>Industrial Technology 74</td>
<td>Theater Arts 3, 25</td>
</tr>
<tr>
<td>Computer Science 1</td>
<td>Mass Communications 1, 32</td>
<td></td>
</tr>
</tbody>
</table>

**MATHEMATICS**

Proficiency in Mathematics may be met in one of the ways specified below:

1. Demonstrate eligibility for intermediate algebra using multiple measures such as the LPC Placement Examination and previous course work; or
2. Submit documentation that a course equivalent to one of the mathematics courses listed below has been completed (with a grade of “C” or higher or “CR”) at another college/university; or
3. Complete one of the following courses (with a grade of “C” or higher or “CR”):
   - Mathematics 1, 2, 20, 33, 34, 36, 38, 41, 42A, 44, 45, 55, 55A, 55B, 57, 65, 65B, 71
   - Business 55
   - Electronics Technology 50 or Industrial Technology 74

**NATURAL SCIENCES**

Complete 1 course from below  
* Meets either the Natural Sciences or Social and Behavioral Sciences requirement  
3 UNITS

<table>
<thead>
<tr>
<th>Anatomy 1</th>
<th>Botany 1</th>
<th>Microbiology 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology 1L, 13*</td>
<td>Chemistry 1A, 30A, 31</td>
<td>Physics 2A, 8A, 10, 10L</td>
</tr>
<tr>
<td>Astronomy 1, 10, 20, 30</td>
<td>Ecology 10</td>
<td>Physiology 1</td>
</tr>
<tr>
<td>Biology 1, 5, 10, 20, 31, 50</td>
<td>Geography 1*, 1L, 8, 15*</td>
<td>Psychology 20*</td>
</tr>
<tr>
<td>Biotechnology 1</td>
<td>Geology 1, 1L, 3, 3L, 12, 12L</td>
<td>Zoology 1</td>
</tr>
</tbody>
</table>

**HUMANITIES**

Complete 1 course from below  
* Meets Humanities and/or American Cultures requirement  
3 UNITS

<table>
<thead>
<tr>
<th>American Sign Language 2A</th>
<th>History 1, 2</th>
<th>Photography 67</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 1, 2A, 3A, 4, 5, 10</td>
<td>Humanities 1, 3, 7, 10, 28, 35, 40, 44</td>
<td>Religious Studies 1, 2, 11</td>
</tr>
<tr>
<td>Creative Arts 10</td>
<td>Music 1, 2, 4*, 5*, 12, 14, 43, 44, 45, 46A, 46B</td>
<td>Speech 2A, 5, 11*</td>
</tr>
<tr>
<td>English 11, 12, 13, 20, 23, 27, 32, 44*, 45</td>
<td>Philosophy 1, 2, 3, 4, 5, 7, 25</td>
<td>Spanish 2A</td>
</tr>
<tr>
<td>French 2A</td>
<td></td>
<td>Theater Arts 1A, 1B, 4*, 10, 12, 47, 48</td>
</tr>
</tbody>
</table>

**SOCIAL AND BEHAVIORAL SCIENCES**

Complete 1 course from below  
* Meets Social & Behavioral Sciences and/or American Cultures requirement  
** Meets either Natural Sciences or Social & Behavioral Sciences requirement  
3 UNITS

<table>
<thead>
<tr>
<th>Anthropology 1, 2, 3, 5*, 12, 13*</th>
<th>Economics 1, 2, 5, 10</th>
<th>Political Science 7, 20, 25, 30</th>
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</thead>
<tbody>
<tr>
<td>Business 30</td>
<td>Geography 1**, 2, 5, 12, 15**</td>
<td>Psychology 1, 2, 3, 4, 15, 20*</td>
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<tr>
<td>Early Childhood Development 15, 51, 62</td>
<td>History 25, 28*, 32*</td>
<td>Psychology-Counseling 13*</td>
</tr>
<tr>
<td></td>
<td>Mass Communications 5</td>
<td>Sociology 1, 3*, 4, 11</td>
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**PHYSICAL EDUCATION**

Complete 1 unit from below*  
1 UNIT

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<tr>
<th>PE 1, 2, 3, 4, 12, 30-48 or Dance 1</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>*Exemption is allowed for illness or physical disability by filing a physician's statement at the Admissions &amp; Records Office. Students who hold an AA/AS Degree or higher are exempt.</td>
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**AMERICAN INSTITUTIONS OR HEALTH**

Complete 1 course from below  
3 UNITS

<table>
<thead>
<tr>
<th>Health 1 or History 7, 8, 14, 25, 28, 32 or Political Science 7</th>
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**AMERICAN CULTURES**

Complete 1 course from below with a grade of ‘C’ or higher or ‘CR’

Where appropriate, the course can simultaneously satisfy 1 other graduation or subject requirement

<table>
<thead>
<tr>
<th>Anthropology 5</th>
<th>History 14, 28, 32</th>
<th>Sociology 3</th>
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<tbody>
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<td>English 44</td>
<td>Music 4, 5</td>
<td>Speech 11</td>
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<td></td>
<td>Psychology-Counseling 13</td>
<td>Theater Arts 4</td>
</tr>
</tbody>
</table>

**LAS POSITAS COLLEGE ASSOCIATE IN SCIENCE DEGREE GRADUATION REQUIREMENTS**

1. Minimum of 60 units with a grade point average of 2.0 or better (12 units must be completed at Las Positas College).
2. All requirements for the Major (minimum of 18 units) plus electives to total 60 units.
3. General Education Requirements for the Associate in Science Degree listed above.
## Transfer and Occupational Degree and Certificate Programs

<table>
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<tr>
<th>PROGRAM NAME</th>
<th>AA/AS</th>
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<th>AS</th>
<th>CERTIFICATE</th>
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<tr>
<td>Administration of Justice**</td>
<td>√</td>
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<tr>
<td>Art (Emphasis in Painting)</td>
<td>√</td>
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<td></td>
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</tr>
<tr>
<td>Automotive Electronics Technology**</td>
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<td>78</td>
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<tr>
<td>Automotive Service Technician**</td>
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<td></td>
<td>√</td>
<td>78</td>
</tr>
<tr>
<td>Automotive Technician**</td>
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<td></td>
<td>√</td>
<td>79</td>
</tr>
<tr>
<td>Biology</td>
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<td>Business Studies</td>
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<tr>
<td>Business (General)</td>
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<tr>
<td>Accounting Technician**</td>
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<td>Administrative Assistant**</td>
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<td>Business**</td>
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<td>Business Entrepreneurship**</td>
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<tr>
<td>Business Workforce Proficiency**</td>
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<td>Retail Management**</td>
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<td>Computing Studies</td>
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<td>Computer Information Systems</td>
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<td>Computer Information Systems**</td>
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<td>Computer Applications Software (MICROCOMPUTERS)**</td>
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<tr>
<td>Computer Networking Technology</td>
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<tr>
<td>Cisco Network Associate**</td>
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<tr>
<td>Computer Network Administration (Microsoft)**</td>
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<td>Network Security and Administration**</td>
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<tr>
<td>Computer Forensics Examiner</td>
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<tr>
<td>Network and Wireless Security</td>
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<td>ECD-Early Childhood Development**</td>
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<td>ECD-Associate Teacher Certificate**</td>
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<td>ECD-Basic Teacher Certificate**</td>
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<td>ECD-Family Childcare**</td>
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<td>Electronics Telecommunications Systems**</td>
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<td>Fire Service Technology**</td>
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<td>Music - Beginning Piano Pedagogy**</td>
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</table>

* Transfer Preparation Programs designed for transfer, and do not confer a degree.
** Occupational Programs designed for direct job entry; however, many courses in these programs are transferable to many 4-year institutions. Students should consult a counselor for information.
Administration of Justice

REVISED DEGREE

AA – Administration of Justice

Freshman Year
Administration of Justice 50 (Introduction to Administration of Justice) ................................................................. 3
Administration of Justice 54 (Investigative Reporting) .......... 3
Administration of Justice 60 (Criminal Law) .......................... 3
Administration of Justice 61 (Evidence) ................................. 3
Electives* ............................................................................ 0-6
General Education Courses

Sophomore Year
Administration of Justice 62 (The Justice System) ................. 3
Administration of Justice 63 (Criminal Investigations) .......... 3
Administration of Justice 70 (Community Relations) .......... 3
Health 61 (First Responder) .................................................. 2.5
Electives* ............................................................................ 0-6
General Education Courses
Total units required ................................................................. 60

*Electives
Select from the following for a minimum of 6 units:
Administration of Justice 51 (Introduction to Security)
Administration of Justice 52 (Retail Security)
Administration of Justice 53 (Industrial Security)
Administration of Justice 55 (Introduction to Correctional Science)
Administration of Justice 56 (Fundamentals of Crime and Delinquency)
Administration of Justice 57 (Community Agencies and Treatment)
Administration of Justice 58 (Delinquency Prevention – A Family Approach)
Administration of Justice 59 (Child Abuse in the Community)
Administration of Justice 64 (Patrol Procedures)
Administration of Justice 66 (Juvenile Procedures)
Administration of Justice 67 (Defensive Tactics)
Administration of Justice 69 (Sex Crime Investigation)
Administration of Justice 71 (Narcotics and Drug Enforcement)
Administration of Justice 72 (Crisis Intervention)
Administration of Justice 74 (Gangs and Drugs)
Administration of Justice 79 (Homicide Investigation)
Administration of Justice 81 (Interpersonal Behavior)
Administration of Justice 82 (Current Legal Decisions)
Administration of Justice 84 (Interviewing—Interrogation)
Administration of Justice 86 (Police Computer Networks)
Administration of Justice 89 (Family Violence)
Anthropology 13 (Introduction to Forensic Anthropology)
Computer Network Technology 68 (Introduction to Computer Forensics)
Computer Network Technology 70 (Computer Forensics II)

Administration of Justice (AJ)

COURSE REVISION; INCREASE UNITS FROM 2 TO 3
AJ 71 NARCOTICS AND DRUGS ENFORCEMENT 3 UNITS
Local, state, and federal narcotics problems and laws; application of investigative procedures and the work and method of special narcotics units; method of locating and apprehending violators; the use of informants and undercover persons. 3 hours.
Grading Option: OP Transfer: CSU

COURSE REVISION; INCREASE UNITS FROM 2 TO 3
AJ 74 GANGS AND DRUGS 3 UNITS
Definition of a gang and gang activity. Historical, cultural and ethnic/racial aspects. Interrelationships among local, national, and international gangs, including prison gangs. Gang activity in relation to drug trafficking. 3 hours.
Grading Option: OP Transfer: CSU

Anthropology (ANTH)

CHABOT COURSE ADOPTION
ANTH 1L PHYSICAL ANTHROPOLOGY LAB 1 UNIT
Laboratory exercises developed as an adjunct to Anthropology 1 (Introduction to Physical Anthropology) including the identification of fossils through examination of fossil casts, the study of human artifacts, observation of primate behavior and structure, and problem solving in case studies of human genetics. Prerequisite: Anthropology 1 (May be taken concurrently). 3 hours laboratory.
Grading Option: OP Transfer: CSU

NEW COURSE
ANTH 13 INTRODUCTION TO FORENSIC ANTHROPOLOGY 3 UNITS
An introductory course in the application of physical anthropology to the medico-legal process with an emphasis on the identification of human skeletal remains. Includes basic human osteology and odontology, assessment of age at time of death, sex, ancestry, trauma analysis, pathology, and general physical characteristics including height and weight based upon minimal skeletal remains. Estimation of time since death, crime scene analysis, animal scavenging, and identification procedures. 3 hours.
Grading Option: OP Transfer: CSU
## Revised Degree

### AS - Automotive Electronics Technology

#### Freshman Year
- Automotive Technology 55 (Automotive Service) .................. 3
- Automotive Technology 61A (Fuel Induction, Emission and Computer Control Systems I) .................. 4
- Automotive Technology 61B (Fuel Induction, Emission and Computer Control Systems II) .................. 4
- Automotive Technology 60A (Automotive Electrics/Electronics I) 4
- Automotive Technology 60B (Automotive Electrics/Electronics II) 4
- Automotive Technology 62 (Automotive Air Conditioning, Cooling and Heating Systems) .................. 2.5
- Automotive Technology 65 (Automotive Brake and Safety Inspection) .............................................. 3
- Automotive Technology 73 (Reading Automotive Service Manuals) 3
- Welding Technology 70 (Introduction to Welding) ................. 2

**General Education Courses**

#### Sophomore Year
- Automotive Technology 67A (Advanced Diagnosis and Troubleshooting of Automotive Systems) ........ 4
- Automotive Technology 67B (Advanced Diagnosis and Troubleshooting of Automotive Systems) ........ 3
- Automotive Technology 69 (Automotive Testing and Diagnosis) .... 3
- Automotive Technology 66 (Automotive Steering and Suspension Systems) ........................................ 3
- Automotive Technology 68 (California B.A.R. Clean Air Course) .... 5
- Program based GE—Mathematics 71 (Applied Mathematics for Technicians) ..................................... 3

**General Education Courses**

**Total units required** ..................................................... 66.5
REVISED DEGREE

AA – Business Administration

(Transfer Preparation)

This degree prepares students interested in transferring to four-year institutions for continued study in business administration. The program outlined below fulfills typical lower-division requirements at four-year transfer institutions. Some variation in requirements may exist at a particular four-year college or university; therefore, it is essential that the student also refers to the catalog of the prospective transfer institution and consults a counselor.

Freshman Year

Business 40 (Introduction to Business) ............................................ 3
Business 18 (Business Law).......................................................... 4
Computer Information Systems 50 (Introduction to Computing and Information Technology) .............................................. 3
Mathematics 33 (Finite Mathematics) or
Mathematics 34 (Calculus for Business and Social Sciences) .... 3-5
Select from the following for a minimum of 1 unit: ......................
Computer Information Systems 71ABCDE (Computer Typing) or
Library Studies 4, 5, 6, 7 (Library Skills) ....................................... 1
General Education Courses

Sophomore Year

Business 1A (Principles of Accounting I) ................................. 4
Economics 1 (Microeconomics) ............................................... 3
Mathematics 44 (Probability and Statistics) or
Mathematics 41 (Statistics for Business Majors) or
Mathematics 42A (Introduction to Probability and Statistics) .... 3-5
Business 1B (Principles of Accounting II) .............................. 4
General Education Courses

Total units required ................................................................ 60

REVISED DEGREE

AA – Business Entrepreneurship

Freshman Year

Business 48 (Human Relations in the Workplace) ................. 3
Business 40 (Introduction to Business) ................................. 3
Business 55** (Business Mathematics) ................................. 3
Business 43 (Professional Communications) or
Business 53 (Business Correspondence) ............................. 3-4
Business 51A (General Accounting I) or
Business 1A (Principles of Accounting I) .............................. 3-4
Marketing 50 (Introduction to Marketing) ............................ 3
Economics 10*** (General Economics) or
Economics 1*** (Microeconomics) ........................................ 3
Recommended Electives*
General Education Courses

Sophomore Year

Business 18 (Business Law) .......................................................... 4
Computer Information Systems 50 (Introduction to Computing and Information Technology) .............................................. 3
Business 58 (Small Business Management) or
Marketing 60 (Retail Store Management) ............................ 3
Business 56 (Introduction to Management) ............................... 3
Business 95 (Business Work Experience) ............................... 1-3
Business 96 (Business Work Experience Seminar) .............. 1
Recommended Electives*
General Education Courses

Total units required .............................................................. 60

*Recommended Electives

Business 20 (International Business)
Business 30 (Business Ethics and Society)
Business 52 (Business Communications)
Business 60 (Consumer Finance and Ownership)
Business 81 (Introduction to Investments)
Computer Information Systems 54 (Excel: Introduction to Spreadsheets)
Computer Information Systems 71 (Computer Typing)

**Meets Math; Communications/Analytical Thinking Requirements
***Meets Social and Behavioral Sciences requirement
**Certificate of Achievement**

**Administrative Assistant**

Computer Information Systems 73A (Ten-Key Skill Development) ............................................. 1
Computer Information Systems 72A (Records and Data Management) ............................................. 1
Computer Information Systems 72B (Spreadsheet Integration with Word Processing) .............. 1
Computer Information Systems 75 (Office Technology/Communications) ..................... 1
Business 74 (Office Procedures) ............................................................................................. 3
Computer Information Systems 43 (Professional Communications) or Business 43 (Professional Communications) ................................... 4
Computer Information Systems 50 (Introduction to Computing and Information Technology) ................................................................. 3
Computer Information Systems 88A (Introduction to Microsoft Word for Windows) and
  Computer Information Systems 88B (Advanced Microsoft Word for Windows) ......................... 3
Computer Information Systems 89A (Desktop Presentation) ........................................... 1
Business 51A (General Accounting) ...................................................................................... 3
Computer Information Systems 55 (Integrating Office Applications for Personal Computers) or
  Computer Information Systems 54 (Excel: Intro to Spreadsheets) .................................... 4
Business 40 (Introduction to Business) .................................................................................. 3
Business 48 (Human Relations in the Workplace) .................................................................. 3
Total units required ............................................................................................................. 30-32

Keyboarding Competency for Certificate of Achievement - Administrative Assistant and Certificate of Completion - for Business Workforce Proficiency: Students must demonstrate keyboarding speed of 40 net words per minutes. Competency can be met by completing Computer Information Systems 71C, Computer Information Systems 71D, or Computer Information Systems 71E with a “C” or better or by presenting a Las Positas College Verification of Proficiency certifying 40 net words per minutes in a five (5) minute timing.

**Certificate of Completion**

**Business Workforce Proficiency**

Business 82.2 (Success Strategies) or
  Psychology/Counseling 15 (College Study Skills) .......................................................... 2
Business 48 (Human Relations in the Workplace) ................................................................. 3
Computer Information Systems 43 (Professional Communications) or
  Business 43 (Professional Communications) ..................................................................... 4
Business 74 (Office Procedures) .......................................................................................... 3
Business 40 (Introduction to Business) ................................................................................ 3
Business 91 (Workforce Development Seminar) ................................................................. 1
Business 92 (Workforce Development Laboratory) ............................................................... 1
One Elective Unit* ............................................................................................................ 1
Total units required ............................................................................................................. 18

*Electives

Select from the following for a total of 1 unit:

- Computer Information Systems 72A (Data Management)
- Computer Information Systems 72B (Spreadsheet Integration with Word Processing)
- Computer Information Systems 73A (Ten-Key Skill Development)
- Computer Information Systems 75 (Office Technology/Communications)
- Computer Information Systems 84 (Windows)
- Computer Information Systems 89A (Desktop Presentation)
REVISED CERTIFICATE

Certificate of Achievement

Retailing

Business 55 (Business Mathematics) .................................................. 3
Marketing 50 (Introduction to Marketing) ........................................... 3
Marketing 56 (Retail Strategies) ......................................................... 3
Marketing 60 (Retail Store Management) ........................................... 3
Marketing 61 (Professional Selling) ................................................... 3
Work Experience 95 (Work Experience) ............................................ 1-3
Work Experience 96 (Work Experience Seminar) ............................... 1
Electives* ....................................................................................... 15
Total units required ....................................................................... 35-37

*Electives
Select from the following for a minimum of 15 units:
Business 18 (Business Law)
Business 40 (Introduction to Business)
Business 51A (General Accounting I) or
Business 1A (Principles of Accounting)
Business 52 (Business Communications) or
Business 43 (Professional Communications)
Business 53 (Business Correspondence)
Business 58 (Small Business Management)
Computer Information Systems 50 (Introduction to Computing and
Information Technology)
Marketing 64 (Introduction to Advertising)
Business 48 (Human Relations in the Workplace)
Business 56 (Introduction to Management)
BUSN 43 (Professional Communications) may be used instead
of BUSN 52 (Business Communications) or BUSN 53 (Business
Correspondence) where they are required.
BUSINESS STUDIES

Business (BUSN)

**COURSE REVISION; NEW CATALOG DESCRIPTION**

**BUSN 18 PRINCIPLES OF ACCOUNTING II**

Emphasis on analysis and use of accounting within the business organization. Focus on corporations; stockholders' equity, long-term liabilities, investments, funds and cash flows, financial statement analysis, managerial accounting, job order and process cost accounting, cost-volume profit analysis, break-even analysis, budgeting, standard costs, activity-based costing, other cost management tools and capital budgets. Prerequisite: Business 1A. 4 hours lecture, 1 hour laboratory. 4 hours.
Grading Option: OP
Transfer: CSU, UC

**BUSN 18 BUSINESS LAW**

A study of the legal environment of business. Covering laws and regulation affecting business decisions including legal concepts and cases in areas of ethics, employment, contracts, consumer transactions, competition, agency, business torts and crimes, and business organizations. Strongly recommended: Eligibility for English 1A. 4 hours.
Grading Option: OP
Transfer: CSU, UC

**BUSN 30 BUSINESS ETHICS AND SOCIETY**

Examines the ethical, political and social issues confronting organizations and the organizations' responsibilities and obligations in responding to them. Discusses the responsibility of business toward customers, employees, stockholders, competitors, suppliers, government and the community at large. 3 hours.
Grading Option: OP
Transfer: CSU, UC

**BUSN 48 HUMAN RELATIONS IN THE WORKPLACE**

A study of the past and current behavior of business in American society. Examines the ethical, political and social issues confronting organizations and the organizations' responsibilities and obligations in responding to them. Discusses the responsibility of business toward customers, employees, stockholders, competitors, suppliers, government and the community at large. 3 hours.
Grading Option: OP
Transfer: CSU, UC

**BUSN 53 BUSINESS CORRESPONDENCE**

3 UNITS
Development of skills in organizing and writing business letters, memoranda, email, reports, resumes, and letters of application with an emphasis on rules for punctuation, spelling, and grammar which meet the needs of modern business. Strongly recommended: Eligibility for English 1A. 3 hours lecture, 1 hour laboratory.
Grading Option: OP
Transfer: CSU

**BUSN 55 BUSINESS MATHEMATICS**

A review of basic mathematics in business. An examination of key concepts and applications of mathematics to solve business problems and to give students a solid mathematical foundation in preparation of courses and careers in accounting, marketing, retailing, banking, finance, insurance, real estate, and business administration. Focus on banking, trade and cash discounting, markups and markdowns, simple and compound interest, payroll, consumer finance, and analysis of financial reports. 3 hours.
Grading Option: OP
Transfer: CSU

**BUSN 56 INTRODUCTION TO MANAGEMENT**

3 UNITS
Principles, concepts and theories of the functions and responsibilities of management; focus on the planning, organizing, coordinating and controlling aspects within an organization. Focus on the current trends and developments in management; including social responsibility and ethics in business, decision making, communications and budgetary control. 3 hours.
Grading Option: OP
Transfer: CSU

**BUSN 58 SMALL BUSINESS MANAGEMENT**

Management's responsibilities in workplace safety, security, health and accident prevention. Focus on managers' and supervisors' role; Cal-OSHA, California SB 198 and the American Disabilities Act in relation to a secure, safe and healthy work environment; identifying and containing different types of safety and security hazards; safety and security analysis; and incident investigation; health and safety training aids, stress reduction and management; ergonomics and future challenges in safety and security issues. Strongly recommended: Business 56. 3 hours.
Grading Option: OP
Transfer: CSU

**BUSN 59 BUSINESS STATISTICS**

3 UNITS
A study of the methods and techniques of business statistics. Focus on the planning, organizing, coordinating and controlling aspects within an organization. Focus on the current trends and developments in management; including social responsibility and ethics in business, decision making, communications and budgetary control. 3 hours.
Grading Option: OP
Transfer: CSU

**BUSN 60 BUSINESS LAW**

A study of the legal environment of business. Covering laws and regulation affecting business decisions including legal concepts and cases in areas of ethics, employment, contracts, consumer transactions, competition, agency, business torts and crimes, and business organizations. Strongly recommended: Eligibility for English 1A. 4 hours.
Grading Option: OP
Transfer: CSU, UC

**BUSN 61 BUSINESS ETHICS AND SOCIETY**

Examines the ethical, political and social issues confronting organizations and the organizations' responsibilities and obligations in responding to them. Discusses the responsibility of business toward customers, employees, stockholders, competitors, suppliers, government and the community at large. 3 hours.
Grading Option: OP
Transfer: CSU, UC

**BUSN 62 HUMAN RESOURCES MANAGEMENT**

3 UNITS
Introduction to the management of human resources with an emphasis on understanding the impact and accountability to the organization in terms of human resource decisions and activities. Focus on best strategies and practices in recruitment and selection, performance management, compensation and benefits, employee relations and workplace health, safety and security. Strongly recommended: Business 56. 3 hours.
Grading Option: OP
Transfer: CSU
Marketing (MKTG)

**COURSE REVISION; NEW CATALOG DESCRIPTION**

MKTG 50 INTRODUCTION TO MARKETING 3 UNITS
Introduction to marketing principles, concepts and methods as an evolving process that creates and delivers value. Focus on the evolution of the marketing system; market research; research on the demographic and behavioral dimensions of markets; internal and external variables in designing a marketing program; analysis of marketing strategies and the impact of the external business environments on marketing mix decisions. 3 hours. Grading Option: OP Transfer: CSU

**COURSE REVISION; NEW CATALOG DESCRIPTION; ADVISORY ADDED**

MKTG 64 INTRODUCTION TO ADVERTISING 3 UNITS
This course examines the major components of modern advertising and promotion including a survey of the major groups of advertising media. Key areas explored include the social and economic role of advertising, controls over advertising, planning of the media campaign, and the role of research, media planning, advertising strategy and integration with other elements of the marketing mix. Strongly recommended: Marketing 50. 3 hours. Grading Option: OP Transfer: CSU

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**REVISED CERTIFICATE**

**Certificate of Completion**

**Supervisory Management**

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<th>Course</th>
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<tr>
<td>Business 48 (Human Relations in the Workplace)</td>
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<tr>
<td>Business 56 (Introduction to Management)</td>
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<tr>
<td>Business 88 (Human Resources Management)</td>
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<td>Business 30 (Business Ethics and Society)</td>
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<td>Business Work Experience 95 and 96 (Seminar)</td>
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<td>Electives:</td>
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<td><strong>Total units required</strong></td>
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*Electives (Emphasis in Law or Accounting)*

Select from the following for a minimum of 3 units:

- Business 1A (Introduction to Accounting) or Business 51A (General Accounting)
- Business 18 (Business Law)
- Business 40 (Introduction to Business)
- Business 43 (Professional Communications)
- Business 58 (Small Business Management)
- Business 60 (Consumer Finance and Ownership)

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**Supervision (SUPV)**

**COURSE INACTIVE EFFECTIVE SPRING 08**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tr>
<td>SUPV 80</td>
<td>ELEMENTS OF SUPERVISION</td>
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<tr>
<td>SUPV 81</td>
<td>HUMAN RELATIONS IN THE WORKPLACE</td>
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<tr>
<td>SUPV 82</td>
<td>BEHAVIOR IN ORGANIZATIONS</td>
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<td>SUPV 83</td>
<td>HUMAN RESOURCE TRAINING AND DEVELOPMENT</td>
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<td>SUPV 84</td>
<td>EMPLOYEE SAFETY</td>
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<td>SUPV 85</td>
<td>INTRODUCTION TO LABOR MANAGEMENT RELATIONS</td>
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<tr>
<td>SUPV 88</td>
<td>HUMAN RESOURCES MANAGEMENT</td>
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</table>
REVISED CERTIFICATE

Certificate of Achievement

Computer Applications Software (Microcomputers)

Computer Information Systems 50 (Introduction to Computing and Information Technology) ................................................. 3
Computer Information Systems 65 (Introduction to Desktop Operating Systems) or Computer Information Systems 84 (Windows) ................................................................. 1-2
Computer Information Systems 55 (Integrating Office Applications) .......................................................... 4
Computer Information Systems 75 (Office Technology/Communications) ............................................................... 1
Computer Information Systems 43 (Professional Communications) ................................................................. 4
Computer Information Systems 88A (Introduction to Microsoft Word for Windows) ........................................................... 1.5
Computer Information Systems 88B (Advanced Microsoft Word for Windows) ........................................................... 1.5
Computer Information Systems 89A (Desktop Presentation) ................................................................. 1
Computer Information Systems 89B (Desktop Presentation) ................................................................. 2
Computer Information Systems 54 (Excel: Introduction to Spreadsheets) ................................................................. 4
Computer Information Systems 57 (Access: Introduction to Databases) ................................................................. 4
Programming Options* ................................................................. 4
Electives** ................................................................. 3
Total Units Required ................................................................ 34-35

*Programming Options
Select from the following courses for a minimum of 4 units:
Computer Information Systems 80 (Introduction to Programming using BASIC/Visual BASIC)
Computer Information Systems 68 (Using Visual Basic for Microsoft Applications)
Computer Information Systems 59A (Web Development: HTML/XHTML)
Computer Information Systems 59B (Web Development: DHTML, CSS, JavaScript)
Computer Information Systems 69 (Web Development: Web Design Technologies and Tools)

**Electives
Select from the following courses for a minimum of 3 units:
Computer Information Systems 66 (Networking Fundamentals)
Computer Networking Technology 51A (A+ Hardware Fundamentals)
Computer Networking Technology 51B (A+ Operating System Fundamentals)
Computer Information Systems 99 (Special Studies)

Computer Information Systems (CIS)

NEW COURSE
CIS 66 NETWORKING FUNDAMENTALS 3 UNITS
This course is a foundation course that explains and describes how computer networks are designed, installed, and administrated. Introduction to communications concepts, data communications, networking, and Internetworking. Review of major network components: hardware, software, protocols (TCP/IP, IPX/SPX, NETBEUI), topologies, and cabling. Overview of LAN administration, configuration, setup, and installation. Preparation for the Network+ certification exam. Students may receive credit for either Computer Information Systems 66 or Computer Networking Technology 52, but are limited to a total of two times in any combination. Strongly recommended: Computer Information System 50. (May be taken 2 times). 3 hours lecture, 1 hour laboratory.
Grading Option: OP Transfer: CSU

NEW COURSE
CIS 95 DIRECTED WORK EXPERIENCE PRACTICUM 1-3 UNITS
Earn college credit for learning while working. Occupational Work Experience is college-supervised employment of students that extends classroom learning to the workplace and relates to the students' educational occupational goals. Students must have a job (paid, volunteer, or internship) in a licensed business that directly relates to their goals. Through a set of individualized learning objectives established by the student, supervisor, and instructor, each student will work with and learn from professionals in their field of study. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and apply knowledge and skills gained in the traditional classroom in a work-site situation. Corequisite: Computer Information Systems 96. 5-15 hours or more of paid employment per week or 4-12 hours of volunteer work per
week. May be repeated to a total of 16 units, including CIS/CNT/CIS 96. (May be taken 4 times).
Grading Option: OP  Transfer: CSU

NEW COURSE
CIS 96  DIRECTED WORK EXPERIENCE SEMINAR 1 UNIT
Earn college credit for learning while working. Focal point for the coordination of the student's program of study with college-supervised part-time or full-time employment in the student's major field. Case studies, job-related problems, student cases and presentations, and material related to employment, organizations and management are discussed; emphasis on building strong working relationships with supervisors, subordinates, and co-workers. Course content will serve as a guideline as you go through the employment cycle of setting goals, researching careers, applying for and getting a job, and dealing with workplace issues. Corequisite: Computer Information Systems 95. May be repeated to a total of 16 units, including CIS/CNT/CIS 95. (May be taken 4 times).
Grading Option: OP  Transfer: CSU
REVISED DEGREE

AS – Network Security and Administration

Freshman Year
Computer Networking Technology 50 (Introduction to Desktop Operating Systems) or
Computer Information Systems 65 (Introduction to Desktop Operating Systems) ………………………………………………….. 2
Computer Networking Technology 51A (A+ Hardware Fundamentals) ……………………………………………………………… 2
Computer Networking Technology 51B (A+ Operating System Fundamentals) ……………………………………………………………… 2
Computer Networking Technology 52 (Networking Fundamentals) ……………………………………………………………………… 3
Computer Networking Technology 62A (Cisco Networking Academy CCNA 1&2) ………………………………………………………….. 4
Electives Tracks* ……………………………………………………………………………………………………………………………….. 6-9
General Education Courses ……………………………………………………………………………………………………………… 60

*Electives Tracks
Select from the following for 12-18 units:
CCNP Track
CNT 63 (CCNP Semester 5 – Advanced Routing) ………………………………………………………………………………………….. 4
CNT 64 (CCNP Semester 6 – Remote Access) ……………………………………………………………………………………………… 4
CNT 65 (CCNP Semester 7 – Multi-layer Switching) ………………………………………………………………………………………… 4
CNT 66 (CCNP Semester 9 – Internetworking Troubleshooting) …………………………………………………………………………… 4

Network and Wireless Security Track
CNT 67 (Wireless Networks and Security CWNA) …………………………………………………………………………………………… 4
CNT 68 (Introduction to Computer Forensics) ……………………………………………………………………………………………… 4
CNT 69 (Network Security Sec+) ……………………………………………………………………………………………………………… 4
Network Administration Track:
CNT 55 (Windows Server) …………………………………………………………………………………………………………………… 4
CNT 56 (Implementing Windows Network Infrastructure) ……………………………………………………………………………………… 4
CNT 57 (Implementing Windows Active Directory Services) ……………………………………………………………………………… 4
CNT 99 (Special Studies)* …………………………………………………………………………………………………………………. 4

Note: Request for Course Substitution-Special Studies (CNT 99)
Students who wish to fulfill a degree or certificate program requirement with a Special Studies (CNT 99) course should complete a Request for Course Substitution or Waiver form. This form (available from the Division Offices and Counseling) should be completed by students in consultation with academic faculty in order for Special Studies to be accepted in fulfillment of the degree and certificate requirements.

Sophomore Year
Computer Networking Technology 62B (Cisco Networking Academy CCNA 3-4) ………………………………………………………. 4
Computer Networking Technology 43 (Professional Communications) ………………………………………………………………………… 4
Electives Tracks* ……………………………………………………………………………………………………………………………….. 6-9
General Education Courses ……………………………………………………………………………………………………………… 60

Total Units Required ……………………………………………………………………………………………………………………………….. 120

REVISED CERTIFICATE

Certificate of Achievement

Cisco Network Professional

Computer Networking Technology 50 (Introduction to Desktop Operating Systems) ………………………………………………………. 2
Computer Networking Technology 51A (A+ Computer Fundamentals) ……………………………………………………………………… 2
Computer Networking Technology 51B (A+ Operating System Fundamentals) ……………………………………………………………… 2
Computer Networking Technology 62A (Cisco Networking Academy CCNA 1&2) ………………………………………………………….. 4
Computer Networking Technology 62B (Cisco Networking Academy CCNA 3&4) ………………………………………………………….. 4
Computer Networking Technology 43 (Professional Communications) ………………………………………………………………………… 4
Computer Networking Technology 52 (Networking Fundamentals) ………………………………………………………………………… 3
Computer Networking Technology 63 (Cisco CCNP Semester 5 – Advanced Routing) ………………………………………………………. 4
Computer Networking Technology 64 (Cisco CCNP Semester 6 – Remote Access) ………………………………………………………… 4
Computer Networking Technology 65 (Cisco CCNP Semester 7 – Multi-layer Switching) ……………………………………………………… 4
Computer Networking Technology 66 (Cisco CCNP Semester 8 – Internetworking Troubleshooting) …………………………………………… 4

Total Units Required ……………………………………………………………………………………………………………………………….. 37

Cisco Network Associate

Computer Networking Technology 50 (Introduction to Desktop Operating Systems) ………………………………………………………. 2
Computer Networking Technology 51A (A+ Hardware Fundamentals) ……………………………………………………………………… 2
Computer Networking Technology 51B (A+ Operating System Fundamentals) ……………………………………………………………… 2
Computer Networking Technology 52 (Networking Fundamentals) ………………………………………………………………………… 3
Computer Networking Technology 62A (Cisco Networking Academy CCNA 1&2) ………………………………………………………….. 4
Computer Networking Technology 62B (Cisco Networking Academy CCNA 3&4) ………………………………………………………….. 4
Computer Networking Technology 43 (Professional Communications) ………………………………………………………………………… 4

Total Units Required ……………………………………………………………………………………………………………………………….. 21
REVISED CERTIFICATE

Certificate of Completion

Computer Network Administration
(Microsoft)
Computer Networking Technology 50 (Introduction to Desktop Operating Systems) or
Computer Information Systems 65 (Introduction to Desktop Operating Systems) ................. 2
Computer Networking Technology 52 (Networking Fundamentals) 3
Computer Networking Technology 54 (Windows Professional) ...... 3
Computer Networking Technology 55 (Windows Server) ............... 3
Computer Networking Technology 56 (Implementing Windows Network Infrastructure) ...................... 3
Computer Networking Technology 57 (Implementing Windows Directory Services) .......................... 3
Total Units ............................................................................... 17

REVISED CERTIFICATE

Certificate of Completion

Computer Network Technician
Computer Networking Technology 50 (Introduction to Desktop Operating Systems) or
Computer Information Systems 65 (Introduction to Desktop Operating Systems) ........................ 2
Computer Networking Technology 51 (A+ Computer Fundamentals) .............................................. 3
Computer Networking Technology 52 (Networking Fundamentals) 3
Computer Networking Technology 43 (Professional Computing Studies)

NEW CERTIFICATE

Certificate of Completion

Computer Forensics Examiner
Computer Information Systems 50 (Introduction to Computer & Information Technology) or
Computer Networking Technology 62A (Cisco Academy CCNA 1&2) or
Computer Networking Technology 51A (A+ Hardware Fundamentals) and
Computer Networking Technology 51B (A+ Operating System Fundamentals) .............................. 3-4
Computer Networking Technology 68 (Introduction to Computer Forensics) ........................................ 3
Computer Networking Technology 70 (Computer Forensics II) .................................................. 3
Administration of Justice 60 (Criminal Law) ......................................................... 3
Administration of Justice 61 (Evidence) .............................................................. 3
Total Units ................................................................................ 15-16 units

Changes: NEW CERTIFICATE

Certificate of Completion

Network and Wireless Security
Computer Networking Technology 52 (Networking Fundamentals) 3
Computer Networking Technology 62A (Cisco Academy CCNA 1&2) ................................................ 4
Computer Networking Technology 69 (Network Security Sec+) .................................................. 3
Computer Networking Technology 67 (Wireless Networks and Security CWNA) .............................. 2
Computer Networking Technology 68 (Introduction to Computer Forensics) ...................................... 3
Total Units ............................................................................. 11-12
Computer Networking Technology (CNT)

**COURSE INACTIVE EFFECTIVE FALL 2007**

**COURSE REPLACED BY CNT 51A AND CNT 51B**

CNT 51  A+ COMPUTER FUNDAMENTALS  3 UNITS

**COURSE REVISION**

CNT 51A  A+ HARDWARE FUNDAMENTALS  2 UNITS

This is an extensive course designed to take students from the just-a-user level to the I-can-fix-it level for most common PC hardware issues. Students will learn all aspects of computer hardware including: identifying components, electricity and power supplies, motherboards, memory, hard drives, supporting I/O devices, modems and networks, laptops and PDAs, printers, assembling/disassembling a PC, troubleshooting, and the responsibilities of a PC technician. Students will build and configure several computer systems, install and configure a variety of expansion cards, install operating systems such as Windows and learn how to do basic hardware and operating system troubleshooting and repair. Prepares students for the A+ Core Hardware portion of the CompTIA A+ Certification exam. Strongly recommended: Computer Networking Technology 50 or Computer Information Systems 50. (May be taken 2 times). 2 hours lecture, 1 hour laboratory.

Grading Option: OP  
Transfer: CSU

**COURSE REVISION**

CNT 51B  A+ OPERATING SYSTEM FUNDAMENTALS  2 UNITS

Introductory course covers concepts and skills necessary to support the Windows 9x/NT/2000/XP operating systems. Designed to take students from the just-a-user level to understanding the behind-the-scenes of installation, configuration, upgrading, customizing, optimizing, diagnosing, and troubleshooting a Windows Operating System and the most common software applications. Students will learn installation procedures for Windows, create and use emergency boot diskettes and manage printers and other devices. Other topics include networking, communication protocols, Internet access and troubleshooting. In hands-on exercises, students will install Windows operating systems, manage Windows devices, use the FDISK utility, perform backups, manage system files, configure networks, configure Internet access, and troubleshoot operating system errors. Prepares students for the A+ Operating System Technologies portion of the CompTIA A+ Certification exam. Strongly recommended: Computer Networking Technology 51A. (May be taken 2 times). 2 hours lecture, 1 hour laboratory.

Grading Option: OP  
Transfer: CSU

**COURSE REVISION: CHANGE OF REPEATABILITY**

CNT 52  NETWORKING FUNDAMENTALS  3 UNITS

This course is a foundation course that explains and describes how computer networks are designed, installed, and administrated. Introduction to communications concepts, data communications, networking, and Internetworking. Review of major network components: hardware, software, protocols (TCP/IP, IPX/SPX, NETBEUI), topologies, and cabling. Overview of LAN administration, setup, and installation. Preparation for the Network+ certification exam. Students may receive credit for either Computer Information Systems 66 or Computer Networking Technology 52, but are limited to a total of two times in any combination. Strongly recommended: Computer Information Systems 50. (May be taken 2 times). 3 hours lecture, 1 hour laboratory.

Grading Option: OP  
Transfer: CSU

**COURSE INACTIVE EFFECTIVE FALL 2007**

CNT 62B  CISCO ACADEMY 3&4

**COURSE REVISION**

CNT 62A  CISCO NETWORKING ACADEMY CCNA 1&2  4 UNITS

This course covers the first 2 parts of the Cisco Certified Network Associate (CCNA) curriculum, and the objectives of the CCNA 640-821 INTRO certification exam. This course will cover the fundamental of networking, including the OSI model and industry standards, concepts, network topologies, cabling, network hardware, basic network design, LANs, and network configuration and troubleshooting. It includes router and routing concepts and terminology including RIP, EIGRP, and IGRP routing protocols, distance vector and link state routing, routing loop issues, routing theory, TCP/IP basics, IP addressing, subnetting, router IOS and configuration, switching concepts, CDP and SCMA-CD. Students will get hands-on experience configuring Cisco routers and switches. Students should have basic computer skills and knowledge of Internet use. Strongly recommended: Computer Information Systems 50. (May be taken 2 times). 3 hours lecture, 3 hours laboratory.

Grading Option: OP  
Transfer: CSU

**NEW COURSE**

CNT 67  WIRELESS NETWORKS/SECURITY CWNA  2 UNITS

This survey course covers the objectives of the CWNA wireless networking exam with a combination of reading and practical exercises in current and emerging wireless and security technology. This will prepare students to plan, purchase, and install a small to medium sized wireless network and secure it, and meets the needs of small business, SOHO (Small Office, Home Office) workers, telecommuters, and home wireless network. Subjects covered include: wireless network access, modems, routers, firewalls, War-driving, security, compatibility, site survey and network planning, basic network administration, basic network troubleshooting. Strongly recommended: Computer Information Systems 50. (May be taken 2 times). 1.5 hours lecture, 1.5 hours laboratory.

Grading Option: OP  
Transfer: CSU

**NEW COURSE**

CNT 68  INTRODUCTION TO COMPUTER FORENSICS  3 UNITS

A survey course in the detection, prevention and investigation of incidents involving computers and digital information, including cyber attacks and the use of computers to investigate crimes. The program will include introduction to computer forensics, incident response, methods of investigation, tracking persons and data, the secure analysis of hard drives and storage mediums, and IT security utilizing court-approved forensic software and tools. Strongly recommended: Computer Information Systems 50 or similar hands-on experience. (May be taken 2 times).

Grading Option: OP  
Transfer: CSU
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT 69</td>
<td>NETWORK SECURITY SEC+</td>
<td>3</td>
</tr>
<tr>
<td>CNT 70</td>
<td>COMPUTER FORENSICS II</td>
<td>3</td>
</tr>
<tr>
<td>CNT 95</td>
<td>DIRECTED WORK EXPERIENCE PRACTICUM</td>
<td>1-3</td>
</tr>
<tr>
<td>CNT 96</td>
<td>DIRECTED WORK EXPERIENCE SEMINAR</td>
<td>1</td>
</tr>
</tbody>
</table>

**NEW COURSE CNT 69 NETWORK SECURITY SEC+ 3 UNITS**

Following the Sec+ certification objectives, an introduction to the concepts and practices of secure network design and management using desktop and network operating systems, router and switch operating systems, hardware and software Firewall and VPN technology for wired and wireless systems. The program will include authentication methods and devices, protocol analysis and IP network troubleshooting, strategies for identifying and countering vulnerabilities, network medias and topologies in a secure network, intrusion detection and forensic incident response. Strongly recommended: Computer Networking Technology 62B, CCNA certification or equivalent. (May be taken 2 times). 2.5 hours lecture; 1.5 hours laboratory.

Grading Option: OP  Transfer: CSU

**NEW COURSE CNT 70 COMPUTER FORENSICS II 3 UNITS**

A practical course in the detection and investigation of incidents involving computers an digital information. Case oriented, following the objectives for the CFE Computer Forensics Examiner certification exam, the class includes understanding and practice in basic computer forensics, methods of investigation, analysis of hard drives, storage mediums, and network logs, and investigation reporting utilizing court-approved forensic software and tools. Strongly recommended: Computer Information Systems 50 or similar hands-on experience. (May be taken 2 times). 2.5 hours lecture, 1.5 hours laboratory.

Grading Option: OP  Transfer: CSU

**NEW COURSE CNT 95 DIRECTED WORK EXPERIENCE PRACTICUM 1-3 UNITS**

Earn college credit for learning while working. Occupational Work Experience is college-supervised employment of students that extends classroom learning to the workplace and relates to the students’ educational occupational goals. Students must have a job (paid, volunteer, or internship) in a licensed business that directly relates to their goals. Through a set of individualized learning objectives established by the student, supervisor, and instructor, each student will work with and learn from professionals in their field of study. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and apply knowledge and skills gained in the traditional classroom in a work-site situation. Corequisite: Computer Networking Technology 96. 5-15 hours or more of paid employment per week or 4-12 hours of volunteer work per week. May be repeated to a total of 16 units, including CIS/CS/CNT 96. (May be taken 4 times).

Grading Option: OP  Transfer: CSU

**NEW COURSE CNT 96 DIRECTED WORK EXPERIENCE SEMINAR 1 UNIT**

Earn college credit for learning while working. Focal point for the coordination of the student’s program of study with college-supervised part-time or full-time employment in the student’s major field. Case studies, job-related problems, student cases and presentations, and material related to employment, organizations and management are discussed; emphasis on building strong working relationships with supervisors, subordinates, and co-workers. Course content will serve as a guideline as you go through the employment cycle of setting goals, researching careers, applying for and getting a job, and dealing with workplace issues. Corequisite: Computer Networking Technology 95. May be repeated to a total of 16 units, including CIS/CNT/CIS 95. (May be taken 4 times).

Grading Option: OP  Transfer: CSU
Computer Science (CS)

NEW COURSE
CS 95  DIRECTED WORK EXPERIENCE PRACTICUM  1-3 UNITS
Earn college credit for learning while working. Occupational Work Experience is college-supervised employment of students that extends classroom learning to the workplace and relates to the students’ educational occupational goals. Students must have a job (paid, volunteer, or internship) in a licensed business that directly relates to their goals. Through a set of individualized learning objectives established by the student, supervisor, and instructor, each student will work with and learn from professionals in their field of study. These experiences will enable students to improve job skills, analyze career opportunities and requirements, and apply knowledge and skills gained in the traditional classroom in a work-site situation. Corequisite: Computer Science 96. 5-15 hours or more of paid employment per week or 4-12 hours of volunteer work per week. May be repeated to a total of 16 units, including CIS/CS/CNT 96. (May be taken 4 times).
Grading Option: OP Transfer: CSU

NEW COURSE
CS 96  DIRECTED WORK EXPERIENCE SEMINAR  1 UNIT
Earn college credit for learning while working. Focal point for the coordination of the student's program of study with college-supervised part-time or full-time employment in the student's major field. Case studies, job-related problems, student cases and presentations, and material related to employment, organizations and management are discussed; emphasis on building strong working relationships with supervisors, subordinates, and co-workers. Course content will serve as a guideline as you go through the employment cycle of setting goals, researching careers, applying for and getting a job, and dealing with workplace issues. Corequisite: Computer Science 95. May be repeated to a total of 16 units, including CIS/CNT/CS 95. (May be taken 4 times).
Grading Option: OP Transfer: CSU
REVISED DEGREE

AA – Early Childhood Development

Freshman Year
Early Childhood Development 50 (Early Childhood Education and Care) ................................................................. 3
Early Childhood Development 51 (Prenatal to Early Childhood) .... 3
Early Childhood Development 62 (Child, Family and Community).. 3
Early Childhood Development 63 (Early Childhood Curriculum).... 4
Electives* ........................................................................................................... 0-4
General Education Courses

Sophomore Year
Early Childhood Development 55 (Professional Care-Giver)......... 2
Early Childhood Development 60 (Introduction to the Young Child with Exceptional Needs)................................. 3
Early Childhood Development 90 (Supervised Experience)....... 4
Early Childhood Development 95** (Work Experience).............. 2-3
Early Childhood Development 96 (Work Experience Seminar) ...... 1
Electives* ........................................................................................................... 0-4
General Education Courses

Total units required .......................................................................................... 60

*Electives
Select from the following for a minimum of 4 units:
ECD 15 (Problems of Childhood)
ECD 52 (Childhood and Adolescence)
ECD 53 (Emergency and Preventive Health for Infants and Children)**
ECD 61 (Literature for the Young Child)
ECD 64 (Play: Materials and Environments)
ECD 65 (Administration)
ECD 67 (Infant and Toddler Development and Care Giving)
ECD 68 (Program Supervision)
ECD 78 (Language Development)
ECD 79 (Anti-Bias Curriculum for Young Children)
ECD 80 (Advanced Topics in Childhood Development)
ECD 83 (Adult Supervision)

**ECD 53 (Emergency and Preventive Health for Infants and Children) may be substituted for 1 unit of ECD 95 (Work Experience) requirement.

REVISED CERTIFICATE

Certificate of Achievement

Early Childhood Development—Family Child Care

Early Childhood Development 50 (Early Childhood Education and Care) ................................................................. 3
Early Childhood Development 51 (Prenatal to Early Childhood) .... 3
Early Childhood Development 62 (Child, Family and Community).. 3
Early Childhood Development 70 (Family Child Care Profession) .. 2
Early Childhood Development 95 (Work Experience)......................... 1-3
Early Childhood Development 96 (Work Experience Seminar)....... 1
Electives* ........................................................................................................... 7
Total units required .......................................................................................... 20-22

*Electives
Select from the following for a minimum of 7 units:
Early Childhood Development 15 (Problems of Childhood)
Early Childhood Development 60 (Teaching Special Needs Infants and Toddlers)
Early Childhood Development 71 (Creative Programming for Family Child Care)
Early Childhood Development 72 (CORE (Caring, Observing, Responding, Extending) Curriculum for Family Child Care
Early Childhood Development 73 (Family Child Care Provider Advanced Enrichment Course)
Early Childhood Development 74 (Discipline Strategies)
Early Childhood Development 75 (Orientation to School Age Child Care Programs)

REVISED CERTIFICATE

Certificate of Achievement

Early Childhood Development—Basic Teacher Certificate

Early Childhood Development 50 (Early Childhood Education and Care) ................................................................. 3
Early Childhood Development 51 (Prenatal to Early Childhood) .... 3
Early Childhood Development 55 (Professional Care-Giver)......... 2
Early Childhood Development 56 (Teaching Special Needs Infants and Preschoolers)............................................. 3
Early Childhood Development 62 (Child, Family and Community).. 3
Early Childhood Development 63 (Early Childhood Curriculum).... 4
Early Childhood Development 90 (Supervised Experience).............. 4
Early Childhood Development 95** (Work Experience)............... 2
Early Childhood Development 96 (Work Experience Seminar) ...... 1
Total units required .......................................................................................... 25

* See Catalog 2006-2008, page 211 for enrollment requirements

**Early Childhood Development 53 (Emergency and Preventive Health for Infants and Children) may be substituted for 1 unit of
Early Childhood Development

Early Childhood Development—Associate Teacher Certificate

Early Childhood Development 50 (Early Childhood Education and Care) .................................................................................................................. 3
Early Childhood Development 51 (Prenatal to Early Childhood) .... 3
Early Childhood Development 62 (Child, Family and Community) . 3
Early Childhood Development 63 (Early Childhood Curriculum) .... 4
Total Units Required................................................................................................................................................................................. 13

Early Childhood Development (ECD)

CHABOT COURSE ADOPTION
ECD 40 SOCIAL AND EMOTIONAL FOUNDATIONS FOR EARLY LEARNING 3 UNITS
This course will focus on the healthy social and emotional development of young children as the foundation for children’s early learning. Students will become aware of the role of the teacher in establishing an environment that promotes the healthy social and emotional development of young children. Strongly recommended: Early Childhood Development 51, Prenatal to Early Childhood and Early Childhood Development 62, Child, Family and Community. 3 hours.
Grading Option: OP Transfer: CSU

COURSE REVISION; NEW CATALOG DESCRIPTION
ECD 50 EARLY CHILDHOOD EDUCATION AND CARE 3 UNITS
Historical and contemporary systems of Early Childhood group care, career opportunities, licensing requirements, professional qualifications, differing orientations to early childhood education, developmental stages of young children as related to quality programs that have developmentally appropriate and inclusive curriculum. 3 hours.
Grading Option: OP Transfer: CSU

COURSE REVISION; NEW CATALOG DESCRIPTION
ECD 51 PRENATAL TO EARLY CHILDHOOD 3 UNITS
Development of the child from prenatal life to early childhood; developmental characteristics, influences affecting development in prenatal life and infancy; individual differences; physical, emotional, intellectual, and social development. Emphasis on scientific method, research strategies, historical overview, social and cultural context, methods of observing children, and theories. 3 hours.
Grading Option: GR Transfer: CSU, UC

COURSE REVISION; NEW TITLE
ECD 60 INTRODUCTION TO THE YOUNG CHILD WITH EXCEPTIONAL NEEDS 3 UNITS
Introduction to educational philosophies for educating infants and children with exceptional needs. Typical and atypical developmental characteristics and abilities in infants and preschoolers. Assessments, interventions, and learning environments for the infant and preschooler with exceptional needs. Prerequisite: Early Childhood Development 51 (completed with a grade of “C” or better) 3 hours.
Grading Option: OP Transfer: CSU

COURSE REVISION; NEW CATALOG DESCRIPTION
ECD 63 EARLY CHILDHOOD CURRICULUM 4 UNITS
Professional application of the principles of human growth and development in: the study of play based inclusive curriculum, the physical environment and learning experiences including program content, the use of materials, the facilitation and guidance of all children’s experiences based on developmentally appropriate principles, the methods used to meet all children’s physical, social, emotional, cognitive and creative needs within cultural context. Prerequisite: Early Childhood Development 50 and Early Childhood Development 51 (both completed with a grade of “C” or higher). 4 hours lecture or 3 hours lecture, 3 hours laboratory.
Grading Option: GR Transfer: CSU

COURSE REVISION; NEW CATALOG DESCRIPTION
ECD 95 WORK EXPERIENCE 1- 3 UNITS
College supervised on-the job training in early childhood programs. Cooperative effort between, student, supervisor and instructor to accomplish professional work objectives and broaden experiences. Corequisite: Early Childhood Development 96. 5-15 hours experience per week. (May be repeated to a total of 16 units, including the ECD 96 class)
Grading Option: GR Transfer: CSU

COURSE REVISION; NEW CATALOG DESCRIPTION
ECD 96 WORK EXPERIENCE SEMINAR 1 UNIT
Discussion and analysis of typical problems often encountered by employees at the workplace. Application of National Association for the Education of Young Children (NAEYC) Code of Ethical Conduct to difficult situations that occur at the job site. Develop and complete measurable developmentally appropriate goals in early care and education settings. Corequisite: Early Childhood Development 95. 1 hour. (May be repeated to a total of 16 units, including the ECD 95 class)
Grading Option: GR Transfer: CSU
### English (ENG)

**COURSE REVISION; NEW CATALOG DESCRIPTION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 7</td>
<td>CRITICAL THINKING AND WRITING ACROSS DISCIPLINES</td>
<td>3</td>
</tr>
<tr>
<td>ENG 12</td>
<td>THE CRAFT OF WRITING FICTION</td>
<td>3</td>
</tr>
<tr>
<td>ENG 13</td>
<td>THE CRAFT OF WRITING POETRY</td>
<td>3</td>
</tr>
<tr>
<td>ENG 19</td>
<td>LITERARY MAGAZINE</td>
<td>2</td>
</tr>
<tr>
<td>ENG 20</td>
<td>STUDIES IN SHAKESPEARE</td>
<td>3</td>
</tr>
<tr>
<td>ENG 32</td>
<td>U.S. WOMEN’S LITERATURE</td>
<td>3</td>
</tr>
<tr>
<td>ENG 44</td>
<td>LITERATURE OF THE AMERICAN WEST</td>
<td>3</td>
</tr>
</tbody>
</table>

Develops critical thinking, reading and writing skills as they apply to the textual analysis of primary and secondary book-length works from a range of academic and cultural contexts. Emphasis on the techniques and principles of effective written argument in research-based writing across disciplines. Prerequisite: English 1A with a grade of “C” or higher. 3 hours.

Grading Option: OP  Transfer: CSU, UC

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION; CHANGE OF ADVISORY**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ENG 25</td>
<td>STUDENT GOVERNMENT LEADERSHIP</td>
<td>1-2</td>
</tr>
<tr>
<td>ENG 25L</td>
<td>STUDENT GOVERNMENT LEADERSHIP LABORATORY</td>
<td>1-3</td>
</tr>
<tr>
<td>ENG 50</td>
<td>FOUNDATIONS FOR LEARNING SUCCESS</td>
<td>3</td>
</tr>
</tbody>
</table>

Processes and methods of communication in group situations, including parliamentary procedures, effective leadership, and fundamentals of effective meetings. Introduction to student government procedures and policies. (May be taken 4 times). 2 hours.

Grading Option: OP  Transfer: CSU

NEW COURSE

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GNST 100</td>
<td>FOUNDATIONS FOR LEARNING SUCCESS</td>
<td>3</td>
</tr>
</tbody>
</table>

Examine self-efficacy issues and begin to develop strong self-efficacy behaviors. Develop behaviors that lead to academic and career success, such as understanding individual learning styles, building and working in diverse learning style teams, effective and appropriate methods of communication, effective and appropriate behaviors in the classroom and the workplace. Course is based on curriculum used to train executives in large companies to develop professional behaviors. 3 hours.

Grading Option: OP
NEW CERTIFICATE

Certificate of Completion

Human Services

Psychology-Counseling 3 (Introduction to Counseling Theory) ...... 3
Psychology-Counseling 5 (Introduction to Human Services)......... 3
Psychology-Counseling 6 (Human Services Case Management Theory)............................................................................................................ 3
Psychology-Counseling 13 (Multicultural Issues in Human Services) or Sociology 3 (American Cultural and Racial Minorities) ............. 3
Internship 1 (Internship Seminar)................................................................. 1
Internship 2 (Internship Field Placement).................................................. 1
Electives*.................................................................................................. 2-3
Total units required ............................................................................. 16-17

*Electives
Select from the following for a minimum of 2 units:
Anthropology 3 (Social and Cultural Anthropology)
Early Childhood Development 62 (Child, Family and Community)
Internship 2 (Internship Field Placement)
Psychology 1 (General Psychology)
Psychology 6 (Abnormal Psychology)
Psychology 12 (Life-Span Psychology)
Psychology-Counseling 7 (Contemporary Issues)
Psychology-Counseling 10 (Interpersonal Relationships)
Sociology 4 (Marriage and Family Problems)
Sociology 6 (Social Problems)
REVISED DEGREE

AA – International Studies

Freshman Year
Foreign Language** ................................................................. 5
Anthropology 3 (Social and Cultural Anthropology) ............... 3
Options* ................................................................. 0-18
General Education Courses ..................................................

Sophomore Year
Foreign Language** ................................................................. 5
Geography 2 (Cultural Geography) ........................................ 3
Political Science 30 (International Relations) ....................... 3
Options* ................................................................. 0-18
General Education Courses

Total units required ................................................................. 60

*Complete one of the 4 International Studies Options for a total of 18 units:

**Select from Foreign Languages in LPC Catalog 2006-2008, page 142.

1. Business Option
Business 1A/1B (Principles of Accounting)
Business 18 (Business Law)
Computer Information Systems 50 (Introduction to Computing and Information Technology)
Business 20 (International Business)
Business 30 (Business, Society, and Ethics)
Business 40 (Business Concepts)
Economics 1 (Principles of Microeconomics) and/or Economics 2 (Principles of Macroeconomics)
Speech 1 (Fundamentals of Speech).

2. Asian Studies Option
Anthropology 5 (Cultures of the U.S.: Anthropological Perspectives on Race, Class, Gender, and Ethnicity)
Political Science 20 (Comparative Government)
Religious Studies 1 (Religions of the World)
Economics 1 (Principles of Microeconomics) or Economics 2 (Principles of Macroeconomics)
Speech 1 (Fundamentals of Speech)

3. Latin American Studies Option:
History 22 (Introduction to Mexican-American History and Culture)
Spanish 2AB (Intermediate and Advanced Spanish)
Anthropology 5 (Cultures of the U.S.: Anthropological Perspectives on Race, Class, Gender, and Ethnicity)
Economics 1 (Principles of Microeconomics) or Economics 2 (Principles of Macroeconomics)
Political Science 20 (Comparative Government)
Speech 1 (Fundamentals of Speech)

4. General Studies Option:
2nd Year of Foreign Language
Anthropology 5 (Cultures of the U.S.: Anthropological Perspectives on Race, Class, Gender, and Ethnicity)
Economics 1 (Principles of Microeconomics) or Economics 2 (Principles of Macroeconomics)
Business 20 (International Business)
Business 40 (Business Concepts)
Political Science 20 (Comparative Government)
Speech 1 (Fundamentals of Speech)
Library Studies (LIBR)

COURSE INACTIVE  EFFECTIVE FALL 07
LIBR 1  LIBRARY SKILLS

NEW COURSE
LIBR 4  INTRODUCTION TO LIBRARY RESEARCH  0.5 UNIT
Introduction to basic research techniques in a college library: print and audiovisual materials. Focus on use of the library catalog, catalog search strategies, organization of materials in the library including reference, faculty reserves, circulating books, audiovisuals, use of reference materials, evaluation of relevant resources, recognition of plagiarism, and bibliographic citation of books, audiovisuals, and print periodicals. 9 hours total.
Grading Option: OP  Transfer: CSU

NEW COURSE
LIBR 5  INTRODUCTION TO GENERAL RESEARCH DATABASES  0.5 UNIT
Introduction to research techniques in a college library: electronic resources found in general research databases. Focus on campus and remote use of multi-disciplinary research databases, search strategies, distinction between scholarly journals and popular magazines, evaluation of relevant resources, recognition of plagiarism, and bibliographic citation of articles from periodical databases. 9 hours total.
Grading Option: OP  Transfer: CSU

NEW COURSE
LIBR 6  INTRODUCTION TO SPECIALIZED RESEARCH DATABASES  0.5 UNIT
Introduction to research techniques in a college library: specialized research databases. Focus on campus and remote use of subject databases, emphasis on discipline specific electronic resources, search strategies, evaluation of relevant resources, distinction between scholarly journals and popular magazines, discussion of plagiarism, and bibliographic citation of articles. 9 hours total.
Grading Option: OP  Transfer: CSU

NEW COURSE
LIBR 7  INTRODUCTION TO INTERNET RESEARCH  0.5 UNIT
Introduction to research techniques in a college library: Internet. Focus on use of the Internet for research purposes, including web search strategies, appropriate search engines and directories, evaluation techniques for web resources, recognition of plagiarism, and bibliographic citation of web resources. 9 hours total.
Grading Option: OP  Transfer: CSU

REvised CERTIFICATE

Certificate of Achievement

Mass Communications: Journalism

Mass Communications 1 (Journalism: News Writing and Information Gathering) ................................................................. 3
Mass Communications 5 (Introduction to Mass Communications) ... 3
English 1A** (Critical Reading and Composition) or English 52A (Essentials of Communication) ................................. 3
Mass Communications 72 (Beginning Photojournalism) or Photography 72 (Documentary Photography) ..................... 2
Electives* ........................................................................................................... 12
Total Units ....................................................................................................... 23

*Electives
Select from the following Groups, A and/or B, for a minimum of 12 units:

Group A
Mass Communications 14 (Writing and Photography for a College Newspaper)
Mass Communications 15 (Publications-Editorial Leadership and Production)
Mass Communications 16 (Newspaper Production)
Internship I (Seminar) and Internship 2 (Field Placement) .......... 9-12

Group B
Mass Communications 2 (Journalism: Investigative News Writing)
Mass Communications 3 (Journalism: Magazine and Newspaper Feature Writing) ..................................................... 0-3

**Students preparing for transfer should take English 1A.
Mass Communications

Mass Communications (MSCM)

COURSE REVISION
MSCM 1 JOURNALISM: NEWS WRITING AND INFORMATION GATHERING 3 UNITS
Fundamentals of reporting and news writing to develop ability to investigate, organize, write and rewrite according to professional standards of print journalism. Analysis of exemplary journalistic models. Conceive, research, and write stories, using traditional news values. Requires source interviews or original research. Strongly Recommended: Eligibility for English 1A. (May be taken 4 times). 3 hours.
Grading Option: GR Transfer: CSU

MSCM 5 JOURNALISM: INTRODUCTION TO MASS COMMUNICATIONS 3 UNITS
History of the press and mass media; the political, social and economic impact of the press on government and public opinion. The social and cultural impact of the media and its role in shaping public perception. An overview of the news process and job opportunities in the media. Strongly Recommended: Eligibility for English 1A. (May be taken 4 times). 3 hours.
Grading Option: GR Transfer: CSU, UC

MSCM 15 PUBLICATIONS: EDITORIAL LEADERSHIP AND PRODUCTION 3 UNITS
Journalism, photojournalism, content development, and production for the college newspaper. Production of the college newspaper, including writing, business management, graphic arts, leadership, and editing. Ethical, practical, and legal issues in journalism. Strongly Recommended: Eligibility for English 1A. (May be taken 4 times). 1 hour lecture, 6 hours laboratory.
Grading Option: GR Transfer: CSU

NEW COURSE
MSCM 15L PUBLICATION: EDITORIAL LEADERSHIP AND PRODUCTION LABORATORY 2 UNITS
Practice in the skills of journalism, photomontage, content development, and production for the college newspaper. Production of the college newspaper, including writing, business management, graphic arts, leadership, and editing. Application of ethical practical, and legal principles of journalism to the college newspaper. Corequisite: Mass Communications 15. (May be taken 4 times). 6 hours laboratory.
Grading Option: GR Transfer: CSU

MSCM 32 RADIO PRODUCTION 4 UNITS
History and theory of radio technology. Operations procedures and practices in a modern radio broadcast studio. Extended study of various aspects of radio production, including editing and announcing, producing a live newsmagazine interview program, producing pre-recorded newscasts, managing station operations, preparing commercial radio programming, selling ads, establishing a brand identity, producing news, collaborating with other media, creating and maintaining audio streams, podcasts, and direct feed, creating a multimedia news website, and producing ad spots and promotional posts. 3 hours lecture, 3 hours laboratory.
Grading Option: GR Transfer: CSU

Mathematics

Mathematics (MATH)

COURSE REVISION: NEW CATALOG DESCRIPTION
MATH 1 CALCULUS I 5 UNITS
An introduction to single-variable differential and integral calculus including: functions, limits and continuity; techniques and applications of differentiation and integration; differentiation and integration of trigonometric, exponential and logarithmic functions; the Fundamental Theorem of Calculus; areas and volumes of solids of revolution. Prerequisite: Mathematics 20 (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics assessment process. 5 hours, 0-1 laboratory hour.
Grading Option: GR Transfer: CSU, UC

MATH 2 CALCULUS II 5 UNITS
Continuation of single-variable differential and integral calculus. Topics covered include: inverse and hyperbolic functions; techniques of integration; parametric equations; polar coordinates; sequences, series, power series and Taylor series. Introduction to Cartesian coordinates in three dimensions and operations with vectors. Primarily for mathematics, physical science and engineering majors. Prerequisite: Mathematics 1 (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics placement process. 5 hours lecture, 0-1 laboratory hours.
Grading Option: GR Transfer: CSU, UC

MATH 3 MULTIVARIABLE CALCULUS 5 UNITS
Vector valued functions, functions of several variables, partial differentiation, multiple integration, change of variables theorem, scalar and vector fields, gradient, divergence, curl, line integral, surface integral, Green’s Stokes’ and divergence theorem, applications. Prerequisite: Mathematics 2 (completed with a grade of "C" or higher). 5 hours.
Grading Option: GR Transfer: CSU, UC

MATH 5 ORDINARY DIFFERENTIAL EQUATIONS 3.5 UNITS
Introduction to differential equations including the conditions under which a unique solution exists, techniques for obtaining solutions, and applications. Techniques include generation of series solutions, use of Laplace Transforms, and the use of eigenvalues to solve linear systems. Generation of exact solutions, approximate solutions, and graphs of solutions using MATLAB. Prerequisite: Mathematics 3 (completed with a grade of C or higher). 3 hours lecture, 2 hours laboratory.
Grading Option: GR Transfer: CSU, UC

MATH 7 ELEMENTARY LINEAR ALGEBRA 3.5 UNITS
An introduction to linear algebra including: techniques and theory needed to solve and classify systems of linear equations using Gaussian elimination and matrix algebra; properties of vectors in n-dimensions; generalized vector spaces, inner product spaces, basis, norms, orthogonality; eigenvalues, eigenspaces; and linear transformations. Selected applications of linear algebra, including the use of MATLAB™ to solve problems involving advanced numerical computation. Prerequisite: Mathematics 2 (completed with a grade of C or higher). 3 hours lecture, 2 hours laboratory.
Grading Option: GR Transfer: CSU, UC

NEW BASIC SKILLS COURSE
MATH 110 MATH FOR THE TRADES 3 UNITS
Basics skills mathematics course specifically designed for students in the trades, such as automotive technology, fire and emergency services, or computer information systems. This class will cover the following areas, whole numbers, decimals, fractions, and integer
Physical Education (PE)

NEW COURSE
PE 4 PERSONAL FITNESS 1 UNIT
An independent, self-paced, personal activity program planned and implemented in conjunction with student goals. Based on goals and results of a fitness assessment and health risk appraisal, an individualized program is developed through personal counseling. Programs can include a physical assessment profile, a health risk appraisal, an individualized exercise/activity program, nutrition counseling, health/wellness education, and behavior modification. The student is required to meet with the instructor on campus at the beginning and end of the semester. 9 hours lecture and 27 hours laboratory per semester to be arranged. (May be taken 4 times)
Grading Option: OP Transfer: CSU

NEW COURSE
PE 16 THE SUCCESSFUL STUDENT ATHLETE 1 UNIT
This course is designed to assist the student-athlete in developing realistic expectations and goals of college, explore academic programs, and understand what is necessary to succeed in college while competing in an intercollegiate sport. The rules and regulations of the Commission on Athletics (COA), National Intercollegiate Athletic Association (NCAA), and the National Association of Intercollegiate Athletics (NAIA) will be defined and explored to bring awareness to the student-athlete regarding eligibility and transferring to a four-year institution. (May be taken 2 times).
Grading Option: OP Transfer: CSU

NEW COURSE
PE 18 ATHLETIC TRAINING PRACTICUM 2 UNITS
Introduces students to basic care, prevention, treatment and rehabilitation of athletic injuries. This class will include work with intercollegiate athletes, high school athletes and a limited exposure with patients at ValleyCare Health facility. This class is designed for majors and non-majors alike. (May be taken 3 times). 1 hour lecture, 3 hours laboratory.
Grading Option: OP Transfer: CSU

Philosophy (PHIL)

NEW COURSE
PHIL 3 AESTHETICS: PHILOSOPHY OF ART: 3 UNITS
An introduction to the philosophical analysis of art. Topics include the nature of art and beauty, the value of art, and philosophical methods of evaluating, critiquing, and drawing meaning from artistic works.
3 hours.
Grading Option: GR Transfer: CSU

NEW COURSE
PHIL 5 FEMINIST PHILOSOPHY 3 UNITS
Introduction to feminist philosophical perspectives on such issues as gender, art, sexuality, knowledge, power, identity, popular culture, religion, ethics, and war. Emphasis placed on critical analysis as well as application to contemporary problems facing women today.
3 hours.
Grading Option: GR Transfer: CSU

Psychology (PSYC)

NEW COURSE
PSYC 16 SELECTED TOPICS IN PSYCHOLOGY 3 UNITS
Selected topics, issues and controversies in contemporary psychology. Study of behavior as a personal, social, and biological phenomenon. Examination of information and theory for practical application. (May be taken 4 times).
3 hours.
Grading Option: OP Transfer: CSU

NEW COURSE
PSYC 20 DRUGS AND THE BRAIN 3 UNITS
Overview of the physiological and psychological effects of recreational and medicinal psychoactive substances, including opiates, sedative-hypnotics, anxiolytics, antidepressants, antipsychotics, stimulants, marijuana, hallucinogens, and dissociative anesthetics. The course will examine the theories and evidence concerning dependence, substance abuse, tolerance, and withdrawal for the major drug classes. Prerequisite: Psychology 1. 3 hours.
Grading Option: OP Transfer: CSU

Sociology (SOC)

NEW COURSE
SOC 4 MARRIAGE AND FAMILY RELATIONS 1 UNIT
Sociological perspective of the family, including mate selection, marital roles, marital adjustment, sexual adjustment, reproduction, child rearing, marital dissolution, and problems associated with the family in modern industrial society. Emphasis on methodology of family investigation.
3 hours.
Grading Option: OP Transfer: CSU

Theater Arts (THEA)

NEW COURSE
THEA 4 AMERICAN CULTURES IN THEATER 3 UNITS
The history, representation and contributions of various ethnic groups in American theater and the study of theater as an instrument for expressing and understanding cultural identity. The focus will be on: African American, Asian American, and Latino theater. Strongly Recommended: Eligibility for English 1A. 3 hours.
Grading Option: OP Transfer: CSU
Visual Communications

Certificate of Achievement

Visual Communications

Visual Communications 48 (Introduction to a Design Studio) .......................... 0.3
Visual Communications 50 (Visual Communications and the Process of Design) ......................................................... 2
Visual Communications 51 (Color for Digital Design) ................................. 2
Visual Communications 52 (Introduction to Typography) ............................... 3
Visual Communications 53 (Photoshop I for Design) ..................................... 2
Visual Communications 54 (Illustrator I for Design) ....................................... 2
Visual Communications 55 (Web Design I) .................................................. 3
Visual Communications 56 (Digital Design Concepts I) ................................. 3
Visual Communications 57 (Digital Design Concepts II) ............................... 3
Visual Communications 58 (Photoshop II for Design) .................................... 3
Visual Communications 59 (Illustrator II for Design) ..................................... 3
Visual Communications 60 (Creative Portfolio and Self-Promotion) or
Visual Communications 61 (Independent Studies Leading to
Advanced Portfolio Work) ........................................................................3
Options* ........................................................................................................ 8-16
Total Units Required .................................................................................. 34.3-42.3

*To receive a Certificate Emphasis in Print or Web, complete 1 of the 2 Visual Communications Options for a minimum of 8 units.

Students may receive an additional Certificate if they complete both options: VCOM 63IN and VCOM 65IN

Option 1 - Emphasis in Multimedia
Visual Communications 62 (Web Design II)
Visual Communications 63** (Web Site and Multimedia Production)
Visual Communications 63IN** (Internship in Web Site and
Multimedia Production)

Option 2 - Emphasis in Print
Visual Communications 64 (InDesign I and Layout Techniques)
Visual Communications 65** (Electronic Pre-Press and Print Production)
Visual Communications 65IN** (Internship in Electronic Pre-Press and Print Production)

Visual Communications (VCOM)

COURSE REVISION; PREREQUISITE REMOVED; COREQUISITE CHANGE
VCOM 63 WEB SITE AND MULTIMEDIA PRODUCTION 3 UNITS
Culminating class in study of technical and creative design techniques necessary to build industry-standard interactive multimedia products. Course includes individual and team-based projects and corresponding work experience internship through the internship co-requisite class. Upon completion, students should be able to show mastery of creative process and technology necessary to produce individual- and team-based web work to client and industry specifications. This course provides students with professional design work experience within Las Positas College and the surrounding community including participation in client briefing, Q & A, presentation, feedback and critique sessions. Course includes minimum of two web projects contracted through the Design Shop—the Visual Communications Program business that mirrors an industry-standard creative design agency. Prerequisite: VCOM 62 (completed with a grade of “C” or higher), Corequisite: VCOM 63IN. 2 hours lecture, 4 hours studio.
Grading Option: OP Transfer: CSU

NEW COURSE (PREVIOUSLY VCOM 66)
VCOM 63IN INTERNSHIP FOR WEB SITE AND MULTIMEDIA PRODUCTION
2 UNITS
This course provides students with professional design work experience through a directed and evaluated internship within Las Positas College and the surrounding community. On-the-job training through the LPC Design Shop and sometimes other workplaces in the community provides students the opportunity to learn first hand responsibilities including deadlines, employer demands, bidding, pricing, working one-on-one with a client, and becoming familiar with advertising agencies, design studios, service bureaus, print or multimedia production houses. Prerequisite: VCOM 62 (completed with a grade of “C” or higher), Corequisite: VCOM 63. 1 hour lecture, 4 hours studio.
Grading Option: OP Transfer: CSU

COURSE REVISION; PREREQUISITE REMOVED; COREQUISITE CHANGE
VCOM 65 ELECTRONIC PRE-PRESS AND PRINT PRODUCTION 3 UNITS
Culminating class in study of technical and creative design techniques necessary to produce accurate prepress files used to produce finished printed materials. Upon completion, students should be able to show mastery of the creative process and technical skills necessary to produce individual- and team-based single- and multi-page print work to client and industry specifications. This course provides students with professional prepress and print work experience within Las Positas College and the surrounding community including participation in client briefing, Q & A, presentation, feedback and critique sessions. Course includes minimum of two large print materials projects contracted through the Design Shop—the Visual Communications Program business that mirrors an industry-standard creative design agency. Prerequisite: VCOM 64 (completed with a grade of “C” or higher). Corequisite: VCOM 65IN. 2 hours lecture, 4 hours studio.
Grading Option: OP Transfer: CSU

NEW COURSE (PREVIOUSLY VCOM 66)
VCOM 65I INTERNSHIP FOR ELECTRONIC PRE-PRESS AND PRINT PRODUCTION
2 UNITS
This course provides students with professional design work experience through a directed and evaluated internship within Las Positas College and the surrounding community. On-the-job training through the LPC Design Shop and sometimes other workplaces in the community provides students the opportunity to learn first hand responsibilities including deadlines, employer demands, bidding, pricing, working one-on-one with a client, and becoming familiar with advertising agencies, design studios, service bureaus, print or multimedia production houses. Prerequisite: VCOM 64 (completed
with a grade of "C" or higher). Corequisite: VCOM 65. 1 hour lecture, 4 hours studio. Grading Option: OP Transfer: CSU

**Course Inactive Effective Fall 07**
VCOM 66 Internship

**Work Experience (WEXP)**

**Course Revision: New Catalog Description**

WEXP 95 Occupational Work Experience 1-3 Units
College-supervised on-the-job training for work in a business-related occupation. Through the cooperation of the work supervisor, contract to accomplish new learning objectives or broaden experiences in work field. Corequisite: Business Work Experience 95. 5-15 hours of employment per week. Maximum units for all work experience courses, combined (95, 96, and 98) total of 16 units. (May be taken 4 times). Grading Option: OP Transfer: CSU

WEXP 96 Occupational Work Experience Seminar 1 Unit
Focal point for the coordination of curriculum with college-supervised part-time or full-time employment in the major field. Case studies, job-related problems, student cases and presentations, and material related to employment, organizations, and management discussed; emphasis on building strong working relationships with supervisors, subordinates, and co-workers. Corequisite: Work Experience Education 95. 1 hour. Maximum units for all work experience courses, combined (95, 96, and 98) total of 16 units. (May be taken 4 times). Grading Option: OP Transfer: CSU

WEXP 98 Occupational Work Experience: Alternate Plan 4-8 Units
College-supervised on-the-job training enabling students to attend college full time one semester and work full time the following semester. The on-the-job experience must be related to the student's educational and occupational goals or college major. The training may be paid or volunteer like an internship. 20-40 hours of work experience each week is required. Maximum units for all work experience courses, combined (95, 96, and 98) total of 16 units. (May be taken 4 times). Grading Option: OP Transfer: CSU

*Transfer unit limitations*
EXIT: AIRWAY BLVD toward CA-84/COLLIER CANYON RD
Turn RIGHT onto N CANYONS PKY
Turn LEFT onto COLLIER CANYON RD
Las Positas College entrance is on your RIGHT

Las Positas College
3033 Collier Canyon Road
Livermore, CA 94551
925.424.1000

Key to Buildings

100  Administration
200  Classrooms
300  Communications and Arts
      LPC Express
      Photography Studio...
      Visual Communications Studio
400  English Center and Classrooms
500  Fine Arts, Mathematics
600  Performing Arts
700  Student Services
      Admissions & Records
      Counseling Center
      Classrooms
800  Multi-Purpose
      Little Theater
      Computer Laboratory
      Automotive Laboratory
1000 Assessment & Tutorial Center
1200 Integrated Learning Center
1300 Bookstore
1320 Faculty Offices
1400 Classrooms
1500 Student Services
      DSPS
      EOPS
      Financial Aid Office...
      International Student Office
1600 Campus Safety and Lost and Found
      Staff Lounge
1700 Student Center
      Associated Student Government (ASLPC)
      Cafeteria
      Health Center
1800 Science/Technology Center
      Faculty Offices
2000 Library (Learning Resources Center)
      Faculty Offices
2100 Academic Deans and Faculty Offices
2200 Computer Laboratory, Classrooms
2400 Multi-Disciplinary Education Building
2500 Physical Education Complex

Future Development Key
1  Physical Education, Phase Two
2  Pool
3  Child Development Center
4  Central Administrative Services
5  Student Services
6  Science Technology Classrooms & Lab
7  Information Technology Center
8  Classrooms and Lecture
9  College Center for the Arts