# Las Positas College
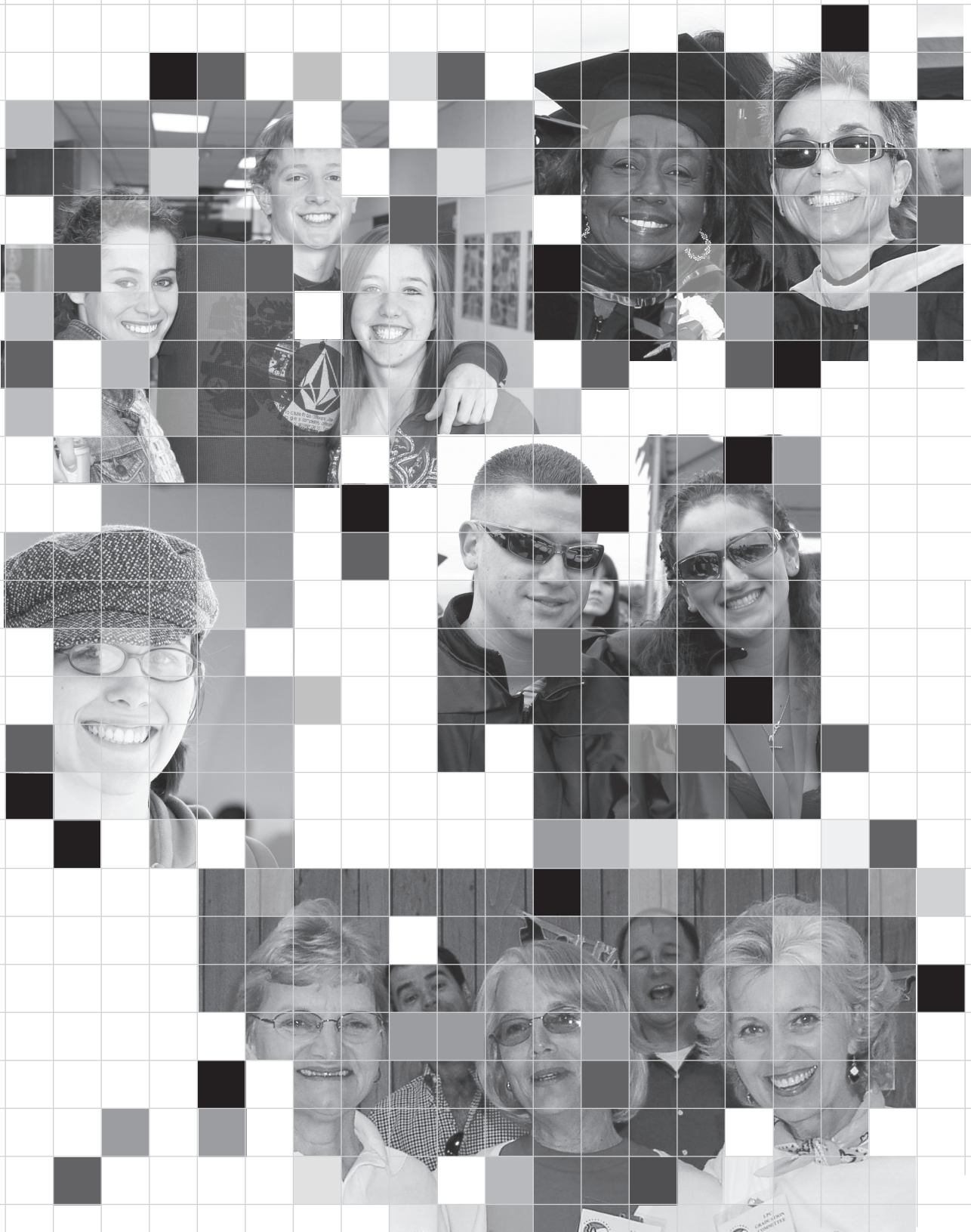
*The Many Faces of Las Positas College*

# Welcome to the Las Positas College 2007-2008 Catalog Addendum

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

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

## Spring 2008 Semester

| | |
|---|---|
| Dec. 22 - Jan. 2 | Winter Break - CAMPUS CLOSED |
| Jan. 21 | HOLIDAY - Martin Luther King |
| Jan. 22 | REGULAR FULL TERM INSTRUCTION BEGINS |
| Jan. 26 | Instruction begins for Saturday Classes |
| Feb. 8 | Last Day to ADD/DROP with NGR (No Grade of Record) in person |
| Feb. 10 | Last Day to ADD/DROP with NGR via CLASS-Web |
| Feb. 11 | CENSUS DAY |
| Feb. 15, 16 & 18 | HOLIDAY - President's Weekend (no Saturday classes) |
| Feb. 22 | Last Day to Apply for Credit/No Credit |
| Mar. 22 | Saturday Classes Meet |
| Mar. 24-29 | SPRING BREAK (no instruction) |
| Apr. 11 | Last Day to Withdraw with a "W" in person and on Class-Web |
| Apr. 13 | 60% Point for Financial Aid |
| Apr. 18 | Last day to Apply for Graduation |
| May 17 | Last Day of Saturday Classes |
| May 23 | Last Day of Classes |
| May 24 | Final Exams, Saturday Classes |
| May 26 | HOLIDAY - Memorial Day |
| May23, 27-30 | Final Examination Period |
| May 30 | Commencement |

# 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 | N | IP | C |
|---|---|---|---|
| **AREA A: COMMUNICATION in the ENGLISH LANGUAGE and CRITICAL THINKING** <br> 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** <br> Select at least **1 course** from each Group listed below, minimum **9 units** required | | | |

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

**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.

**B2: Life Science**
Anatomy <u>1</u>
Anthropology 1*, <u>1L</u>
Biology <u>1</u>, <u>5</u>, <u>10</u>, 20, <u>31</u>, <u>40</u>, <u>50</u>
Biotechnology <u>1</u>
Botany <u>1</u>

Ecology 10
Microbiology <u>1</u>
Physiology <u>1</u>
Psychology 4*
Zoology <u>1</u>
*Also listed in Area D but can only be used in one area.*

**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** <br> 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** <br> 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 but used in 1 area
** Also listed in Area E but can only but used in 1 area
*** ECD 15 + Psych 15, *maximum credit 3 units*

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

# California State University General Education (GE) Breadth Requirements (cont'd)
## 2007 - 2008 (Effective Fall 2007)

| USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED    IP=IN PROGRESS    C=COMPLETED | N | IP | C |
|---|---|---|---|
| **AREA E: LIFELONG UNDERSTANDING AND SELF DEVELOPMENT**<br>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*

| | N | IP | C |
|---|---|---|---|
| **AMERICAN INSTITUTIONS REQUIREMENT:** Complete **1 of the groups** below<br>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<br>**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 | N | IP | C |
|---|---|---|---|
| **AREA 1: ENGLISH COMMUNICATION**<br>**CSU:** Select **3 courses**, total **9** units required, *select* **1** from **EACH** group below<br>**UC:** Select **2 courses**, total **6** units required, *select* **1** from **Group 1A** and **1** from **Group 1B** | | | |
| **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**<br>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**<br>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<br>Art 1, 4, 5<br>Creative Arts 10<br>Music 1, 4, 5, 8A, 8B<br>Photography 67<br>Theater Arts 4, 10, 11, 12, 14*<br>*Minimum of 3 units required to clear requirement<br><br>**HUMANITIES:** Select at least **1 course** from below<br>American Sign Language 2A, 2B<br>English 3, 20, 23, 27, 32, 44, 45<br>French 2A, 2B<br>Humanities 1, 3, 10, 28, 35, 44<br>Music 2<br>Philosophy 1, 2, 4, 25<br>Religious Studies 1, 2, 11<br>Spanish 2A, 2B | | | |
| **AREA 4: SOCIAL AND BEHAVIORAL SCIENCES**<br>Select **3 courses**, minimum **9** units from at least **2 subjects** below<br>*Indicates courses may be listed in more than one area but will NOT be certified more than once | | | |
| Anthropology 1*, 2, 3, 5, 12<br>Economics 1, 2, 5, 10<br>Geography 2, 5, 12<br>History 1, 2, 7, 8, 14, 25, 28, 32          Mass Communications 5<br>Political Science 7, 20, 25, 30          Psychology 1, 2, 3, 4*, 6, 12<br>Psychology-Counseling 13<br>Sociology 1, 3, 4, 6, 11 | | | |
| **AREA 5: PHYSICAL SCIENCE AND BIOLOGICAL SCIENCE**<br>Select **1 Physical Science course and 1 Biological Science course** from below; minimum **7** units;<br>**1** course must include a laboratory indicated with an underline<br>*Courses may be listed in more than one area but will NOT be certified more than once | | | |
| **PHYSICAL SCIENCE**<br>Astronomy 1, 10, 20, 30<br>Chemistry 1A, 1B, 12A, 12B, 30A, 30B, 31<br>Geography 1, 1L, 8<br>Geology 1, 1L, 3, 3L 12, 12L<br>Physics 2A, 2B, 8A, 8B, 8C, 8D, 10, 10L<br><br>**BIOLOGICAL SCIENCE**<br>Anatomy 1<br>Anthropology 1*<br>Biology 1, 5, 10, 20, 31, 50          Microbiology 1<br>Botany 1          Physiology 1<br>Ecology 10          Psychology 4*<br>Zoology 1 | | | |
| **AREA 6: LANGUAGE OTHER THAN ENGLISH - UC REQUIREMENT ONLY**<br>*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.<br>2. Complete **2** years of high school study in the same language, completed with a grade of 'C' or higher.<br>3. Demonstrating equivalent proficiency prior to transfer may also satisfy this requirement.<br>   See counselor for details. | | | |
| **AMERICAN INSTITUTIONS REQUIREMENT - CSU GRADUATION REQUIREMENT ONLY**<br>Complete **1 of the combinations** below<br>*Courses used to fulfill this requirement may not be used to satisfy any other area.* | | | |
| **Group 1**: History 7 and History 8<br>**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 attandance. 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).

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### 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)

| USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED    IP=IN PROGRESS    C=COMPLETED | N | IP | C |
|---|---|---|---|
| **LANGUAGE AND RATIONALITY** | | | |
| **ENGLISH COMPOSITION**  Complete **1 course** from below                **3 UNITS** | | | |
| English 1A, 3 | | | |
| **WRITING AND CRITICAL THINKING**  Complete **1 course** from below        **3 UNITS** | | | |
| English 4, 7 | | | |
| **COMMUNICATION AND ANALYTICAL THINKING**  Complete **1 course** from below   **3 UNITS** | | | |
| American Sign Language 1A, 1B · Business 52, 55 · CIS 50, 80 · Computer Science 1 · Electronics Technology 50 · Foreign Language 1A, 1B · Industrial Technology 74 · Mass Communications 1, 32 · Mathematics 1, 2, 20, 33, 34, 36, 38, 41, 42A, 44, 45, 55, 55A, 55B, 57, 65, 65B, 71 · Speech 1, 2B, 10, 46 · Theater Arts 3, 25 | | | |
| **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<br>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<br>3. Complete one of the following courses (with a grade of "C" or higher or "CR"):<br>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                **3 UNITS**<br>* Meets either the Natural Sciences or Social and Behavioral Sciences requirement | | | |
| Anatomy 1 · Anthropology 1L, 13* · Astronomy 1, 10, 20, 30 · Biology 1, 5, 10, 20, 31, 50 · Biotechnology 1 · Botany 1 · Chemistry 1A, 30A, 31 · Ecology 10 · Geography 1*, 1L, 8, 15* · Geology 1, 1L, 3, 3L, 12, 12L · Microbiology 1 · Physics 2A, 8A, 10, 10L · Physiology 1 · Psychology 20* · Zoology 1 | | | |
| **HUMANITIES**  Complete **1 course** from below  * Meets Humanities and/or American Cultures requirement   **3 UNITS** | | | |
| American Sign Language 2A · Art 1, 2A, 3A, 4, 5, 10 · Creative Arts 10 · English 11, 12, 13, 20, 23, 27, 32, 44*, 45 · French 2A · History 1, 2 · Humanities 1, 3, 7, 10, 28, 35, 40, 44 · Music 1, 2, 4*, 5*, 12, 14, 43, 44, 45, 46A, 46B · Philosophy 1, 2, 3, 4, 5, 7, 25 · Photography 67 · Religious Studies 1, 2, 11 · Spanish 2A · Speech 2A, 5, 11* · Theater Arts 1A, 1B, 4*, 10, 12, 47, 48 | | | |
| **SOCIAL AND BEHAVIORAL SCIENCES**  Complete **1 course** from below        **3 UNITS**<br>*  Meets Social & Behavioral Sciences and/or American Cultures requirement<br>** Meets either Natural Sciences or Social & Behavioral Sciences requirement | | | |
| Anthropology 1, 2, 3, 5*, 12, 13* · Business 30 · Early Childhood Development 15, 51, 62 · Economics 1, 2, 5, 10 · Geography 1**, 2, 5, 12, 15** · History 25, 28*, 32* · Mass Communications 5 · Political Science 20, 25, 30 · Psychology 1, 2, 3, 4, 15, 20* · Psychology-Counseling 13* · Sociology 1, 3*, 4, 11 | | | |
| **WELLNESS**  Complete **1 course** from AREAS OF HEALTH and **1 unit** from PHYSICAL EDUCATION   **4 UNITS**<br>*Exemption is allowed for illness or physical disability by filing a physician's statement at the Admissions & Records Office. Students who hold an AA/AS Degree or higher are exempt. | | | |
| **Areas of Health:** Health 1                **Physical Education*:** PE 1, 2, 3, 4, 12, 30-48 or Dance 1 | | | |
| **AMERICAN INSTITUTIONS (AI)**  Complete **1 course** from below; partially satisfies CSU AI requirement   **3 UNITS** | | | |
| History 7, 8, 25, 32                Political Science 7 | | | |
| **AMERICAN CULTURES**  Complete **1 course** from below with a grade of 'C' or higher or 'CR'<br>Where appropriate, the course can simultaneously satisfy 1 other graduation or subject requirement | | | |
| Anthropology 5 · English 44 · History 14, 28, 32 · Music 4, 5 · Psychology-Counseling 13 · Sociology 3 · Speech 11 · Theater Arts 4 | | | |

**LAS POSITAS COLLEGE ASSOCIATE IN ARTS 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 Arts Degree listed above.

# Associate in Arts Degree
# Liberal Arts and Sciences (General)

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)

| USE THE BOXES ON THE RIGHT TO RECORD YOUR PROGRESS: N= NEED    IP=IN PROGRESS    C=COMPLETED | N | IP | C |
|---|---|---|---|
| **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** | | | |
| American Sign Language 1A, 1B / Business 52, 55 / CIS 50, 80 / Computer Science 1 / Electronics Technology 50 / Foreign Language 1A, 1B / Industrial Technology 74 / Mass Communications 1, 32 / Mathematics 1, 2, 20, 33, 34, 36, 38, 41, 42A, 44, 45, 55, 55A, 55B, 57, 65, 65B, 71 / Speech 1, 2B, 10, 46 / Theater Arts 3, 25 | | | |
| **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<br>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<br>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                               **3 UNITS**<br>*Meets either the Natural Sciences or Social and Behavioral Sciences requirement* | | | |
| Anatomy 1 / Anthropology 1L, 13* / Astronomy 1, 10, 20, 30 / Biology 1, 5, 10, 20, 31, 50 / Biotechnology 1 / Botany 1 / Chemistry 1A, 30A, 31 / Ecology 10 / Geography 1*, 1L, 8, 15* / Geology 1, 1L, 3, 3L, 12, 12L / Microbiology 1 / Physics 2A, 8A, 10, 10L / Physiology 1 / Psychology 20* / Zoology 1 | | | |
| **HUMANITIES**  Complete **1 course** from below                                       **3 UNITS**<br>*Meets Humanities and/or American Cultures requirement* | | | |
| American Sign Language 2A / Art 1, 2A, 3A, 4, 5, 10 / Creative Arts 10 / English 11, 12, 13, 20, 23, 27, 32, 44*, 45 / French 2A / History 1, 2 / Humanities 1, 3, 7, 10, 28, 35, 40, 44 / Music 1, 2, 4*, 5*, 12, 14, 43, 44, 45, 46A, 46B / Philosophy 1, 2, 3, 4, 5, 7, 25 / Photography 67 / Religious Studies 1, 2, 11 / Speech 2A, 5, 11* / Spanish 2A / Theater Arts 1A, 1B, 4*, 10, 12, 47, 48 | | | |
| **SOCIAL AND BEHAVIORAL SCIENCES**  Complete **1 course** from below        **3 UNITS**<br>*  *Meets Social & Behavioral Sciences and/or American Cultures requirement*<br>** *Meets either Natural Sciences or Social & Behavioral Sciences requirement* | | | |
| Anthropology 1, 2, 3, 5*, 12, 13* / Business 30 / Early Childhood Development 15, 51, 62 / Economics 1, 2, 5, 10 / Geography 1**, 2, 5, 12, 15** / History 25, 28*, 32* / Mass Communications 5 / Political Science 7, 20, 25, 30 / Psychology 1, 2, 3, 4, 15, 20* / Psychology-Counseling 13* / Sociology 1, 3*, 4, 11 | | | |
| **PHYSICAL EDUCATION**  Complete **1 unit** from below*                              **1 UNIT** | | | |
| PE 1, 2, 3, 4, 12, 30-48 or Dance 1<br>*Exemption is allowed for illness or physical disability by filing a physician's statement at the Admissions & Records Office. Students who hold an AA/AS Degree or higher are exempt.* | | | |
| **AMERICAN INSTITUTIONS OR HEALTH**  Complete **1 course** from below         **3 UNITS** | | | |
| Health 1 or History 7, 8, 14, 25, 28, 32 or Political Science 7 | | | |
| **AMERICAN CULTURES**  Complete **1 course** from below with a grade of 'C' or higher or 'CR'<br>*Where appropriate, the course can simultaneously satisfy 1 other graduation or subject requirement* | | | |
| Anthropology 5 / English 44 / History 14, 28, 32 / Music 4, 5 / Psychology-Counseling 13 / Sociology 3 / Speech 11 / Theater Arts 4 | | | |
| **LAS POSITAS COLLEGE ASSOCIATE IN SCIENCE DEGREE GRADUATION REQUIREMENTS**<br>1. Minimum of 60 units with a grade point average of 2.0 or better (12 units must be completed at Las Positas College).<br>2. All requirements for the Major (minimum of 18 units) plus electives to total 60 units.<br>3 General Education Requirements for the Associate in Science Degree listed above. | | | |

# Transfer and Occupational Degree and Certificate Programs

| PROGRAM NAME | AA/AS TRANSFER PROGRAMS | AA | AS | CERTIFICATE | 2006-2008 Catalog Page # |
|---|---|---|---|---|---|
| | | OCCUPATIONAL PROGRAMS** | | | |
| Administration of Justice** | √ | √ | | | 67 |
| Art (Emphasis in Painting) | √ | | | | 74 |
| Automotive Electronics Technology** | | | √ | | 78 |
| Automotive Service Technician** | | | | √ | 78 |
| Automotive Technician** | | | | √ | 79 |
| Biology | √ | | | | 81 |
| Business Studies | | | | | |
| Business (General) | | | | | |
| Accounting Technician** | | | | √ | 88 |
| Administrative Assistant** | | √ | | √ | 86 |
| Business** | | | √ | | 86 |
| Business Administration | √ | | | | 87 |
| Business Entrepreneurship** | | √ | | √ | 87 |
| Business Workforce Proficiency** | | | | √ | 90 |
| Retail Management** | | | | √ | 90 |
| Marketing | | | | | |
| Marketing** | | √ | | | 93 |
| Retailing** | | | | √ | 94 |
| Supervision | | | | | |
| Supervisory Management** | | | | √ | 95 |
| Chemistry | √ | | | | 97 |
| Computing Studies | | | | | |
| Computer Information Systems | | | | | |
| Computer Information Systems** | | √ | | | 101 |
| Computer Applications Software (MICROCOMPUTERS)** | | | | √ | 102 |
| Computer Networking Technology | | | | | |
| Cisco Network Associate** | | | | √ | 107 |
| Cisco Network Professional** | | | | √ | 107 |
| Computer Network Technician** | | | | √ | 107 |
| Computer Network Administrion (Microsoft)** | | | | √ | 107 |
| Network Security and Administration** | | | √ | | 106 |
| Computer Fornesics Examiner | | | | √ | |
| Network and Wireless Security | | | | √ | |
| Computer Science | | | | | |
| Computer Science | √ | | | | 112 |
| Computer Programming | | | √ | √ | 112 |
| Computer Programming for the Web | | | √ | √ | 113 |
| ECD-Early Childhood Development** | | √ | | | 121 |
| ECD-Associate Teacher Certificate** | | | | √ | 121 |
| ECD-Basic Teacher Certificate** | | | | √ | 121 |
| ECD-Family Childcare** | | | | √ | 122 |
| Electronics Telecommunications Systems** | | | √ | √ | 127 |
| Engineering | *see note | | | | 130 |
| Fire Service Technology** | | | √ | √ | 138 |
| Horticulture** | | | √ | √ | 154 |
| Humanities (General) | √ | | | | 158 |
| Interior Design** | | | √ | √ | 160 |
| International Studies | √ | | | | 162 |
| Liberal Arts and Sciences (General) | √ | √ | | | 165 |
| Mass Communications: Journalism** | | | | √ | 168 |
| Music | √ | | | | 174 |
| Music - Beginning Piano Pedagogy** | | | | √ | 174 |
| Music - Intermediate Piano Pedagogy** | | | | √ | 175 |
| Occupational Safety and Health** | | | √ | √ | 179 |
| Photography** | | | | √ | 182 |
| Physical Education | √ | | | | 184 |
| Physical Education, Coaching** | | | | √ | 185 |
| Physical Education, Sports Medicine** | | | | √ | 185 |
| Physics | √ | | | | 187 |
| Psychology | √ | | | | 190 |
| Psychology/Counseling - Human Services | | | | √ | 192 |
| Science Technology** | | | √ | | 195 |
| Social Science (General) | √ | | | | 196 |
| Speech | √ | | | | 197 |
| Theater Arts | √ | | | | 200 |
| Vacuum Technology** | | | √ | √ | 204 |
| Visual Communications** | | √ | | √ | 206 |
| Viticulture and Winery Technology | | | | | |
| Viticulture** | | | √ | √ | 210 |
| Enology** | | | √ | √ | 210 |
| Viticulture and Enology** | *see note | | | | 210 |

\*    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.

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**

# Business (General)

## 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
Economics 2 (Macroeconomics) ....................................... 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

## AA – Business Entrepreneurship

### Freshman Year

Business 48 (Human Relations in the Workplace)...............................
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*

REVISED CERTIFICATE

# 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.*

REVISED CERTIFICATE

# 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)

## 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.*

## Certificate of Achievement

## Retail Management

| | |
|---|---|
| Business 55 (Business Mathematics) | 3 |
| Business 52 (Business Communications) or | |
| Speech 10 (Interpersonal Communication) | 3 |
| Computer Information Systems 50 (Introduction to Computing and Information Technology) or | |
| Three (3) units of Computer Application courses such as Word, Excel, etc | 3 |
| Business 53 (Business Correspondence) or | |
| English 1A (Critical Reading and Composition) | 3 |
| Business 56 (Introduction to Management) | 3 |
| Business 51A (General Accounting I) or Business 1A (Principles of Accounting I) | 3-4 |
| Marketing 50 (Introduction to Marketing) | 3 |
| Marketing 60 (Retail Store Management) | 3 |
| Business 48 (Human Relations in the Workplace) | 3 |
| Business 88 (Human Resources Management) | 3 |
| **Total** | **30-31 units** |

## Business (BUSN)

**COURSE REVISION; NEW CATALOG DESCRIPTION**

BUSN 1B PRINCIPLES OF ACCOUNTING II                    4 UNITS
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. Prequisite: Business 1A. 4 hours lecture, 1 hour laboratory. 4 hours.
Grading Option: OP                    Transfer: CSU, UC

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

BUSN 18 BUSINESS LAW                    4 UNITS
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;

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**

BUSN 30 BUSINESS ETHICS AND SOCIETY                    3 UNITS
A survey of the past and current behavior of business in America 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

**COURSE REVISION: NEW CATALOG DESCRIPTION**

BUSN 48 HUMAN RELATIONS IN THE WORKPLACE                    3 UNITS
Individual, group, and organization behavior as they impact interactions, performance, and productivity within the workplace are studied. Strategies and techniques that influence communications, employee leadership and interactions among people—including cultural diversity and its impact—are explored. Students who have completed Supervision 81 may not receive credit. 3 hours.
Grading Option: OP                    Transfer: CSU

**COURSE REVISION; ADVISORY CHANGE**

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

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

BUSN 55 BUSINESS MATHEMATICS                    3 UNITS
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

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**

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

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

BUSN 58 SMALL BUSINESS MANAGEMENT                    3 UNITS
Fundamentals of starting and operating a business. Emphasis on achieving optimum benefits from limited resources. Focus on management functions, financing options, e-commerce, marketing, and regulatory issues encountered by start-up business. Strongly recommended: Business 51A or Business 1A. 3 hours.
Grading Option: OP                    Transfer: CSU

**COURSE REVISION (FORMERLY SUPV 84); NEW TITLE AND CATALOG DESCRIPTION; ADVISORY CHANGE**

BUSN 84 WORKPLACE SAFETY, SECURITY AND HEALTH                    3 UNITS
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

**COURSE REVISION (FORMERLY SUPV 85); NEW TITLE AND CATALOG DESCRIPTION; ADVISORY CHANGE**

BUSN 85 INTRODUCTION TO LABOR MANAGEMENT RELATIONS
                    3 UNITS
History, organization, concepts, and legislation of labor/management relations; collective bargaining contract content, legal base, economics, and contract negotiation; contract administration; dispute resolution grievances arbitration, and mediation; public sector labor/management relations, unfair labor practices and remedies; global implications and emerging trends, issues and future challenges. Strongly recommended. Business 56. 3 hours.
Grading Option: OP                    Transfer: CSU

**COURSE REVISION (FORMERLY SUPV 88); NEW CATALOG DESCRIPTION; ADVISORY CHANGE**

BUSN 88 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

**REVISED CERTIFICATE**

## Certificate of Completion

## Supervisory Management

Business 48 (Human Relations in the Workplace)............................ 3
Business 56 (Introduction to Management)..................................... 3
Business 88 (Human Resources Management)................................ 3
Business 30 (Business Ethics and Society) ...................................... 3
Business Work Experience 95 and
Business Work Experience 96 (Seminar)........................................... 1
Electives:* ...................................................................................... 3
Total units required ...................................................................... 17

*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)

## Supervision (SUPV)

**COURSE INACTIVE EFFECTIVE SPRING 08**

SUPV 80      ELEMENTS OF SUPERVISION

**COURSE INACTIVE EFFECTIVE SPRING 08; SEE BUSN 48**

SUPV 81      HUMAN RELATIONS IN THE WORKPLACE

**COURSE INACTIVE EFFECTIVE SPRING 08**

SUPV 82      BEHAVIOR IN ORGANIZATIONS

**COURSE INACTIVE EFFECTIVE SPRING 08**

SUPV 83      HUMAN RESOURCE TRAINING AND DEVELOPMENT

**COURSE INACTIVE EFFECTIVE SPRING 08; SEE BUSN 84**

SUPV 84      EMPLOYEE SAFETY

**COURSE INACTIVE EFFECTIVE SPRING 08; SEE BUSN 85**

SUPV 85      INTRODUCTION TO LABOR MANAGEMENT RELATIONS

**COURSE INACTIVE EFFECTIVE SPRING 08: SEE BUSN 88**

SUPV 88      HUMAN RESOURCES MANAGEMENT

# Computer Information Systems

**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 8 ESSENTIAL COMPUTING SKILLS 2 UNITS**
What everyone needs to know. Fundamental computer competency course designed to develop the basic computer skills and knowledge required in today's technological world. Basic computer competency is no longer a nicety, but rather a necessity. Topics include: essentials of computing, hardware and software concepts, the Internet, ethical issues, and information protection. Practical hands-on applications will introduce students to the fundamentals of word processing, spreadsheets, presentation software, and email communication. Use of the technology to identify, gather, and analyze information and for communication, and understanding the legal, ethical, and societal implications of technology. No previous experience with computers is required. (May be taken 3 times). 1.5 hours lecture, 1.5 hours laboratory.
Grading Option: OP                    Transfer: CSU

**NEW COURSE**

**CIS 55B ADVANCED MS OFFICE SKILLS 3 UNITS**
Provide students an opportunity for advanced study using the MS Office software suite. Portions of the course will be devoted to an overview of advanced topics in Word, Excel, PowerPoint and Access. Extends the fundamental knowledge of MS Office to incorporate and emphasize the integration capabilities among the individual applications. This class offers a case-based, problem-solving approach to learning the essentials of how to use the components of the Office suite together to build a portfolio of documents for a company that demonstrate your ability to use and integrate Word, Excel, PowerPoint and Access. This may include business cards, letterhead, brochures, spreadsheets, databases, invoices, presentation reports, web pages and more. Strongly recommended: Computer Information System 55. (May be taken 3 times). 2 hours lecture, 3 hours laboratory
Grading Option: OP                    Transfer: CSU

**COURSE REVISION; CHANGE OF REPEATABILITY**

**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, 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

**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

### 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
**Total Units Required**........................................................... 60

### *Electives Tracks

*Select from the following for 12-18 units:*
CCNP Track
CNT 63 (CISCO CCNP Semester 5 – Advanced Routing)
CNT 64 (CISCO CCNP Semester 6 – Remote Access)
CNT 65 (CISCO CCNP Semester 7 – Multilayer Switching)
CNT 66 (CISCO CCNP Semester 9 –Internetworking Troubleshooting

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

*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.*

**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 - Multilayer Switching) ........................................................... 4
Computer Networking Technology 66 (Cisco CCNP Semester 8 - Internetworking Troubleshooting) ........................................... 4
**Total Units Required**........................................................... 37

**REVISED CERTIFICATE**

## Certificate of Achievement

## 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

**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 PDA's, 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 3 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 in 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

**COURSE REVISION**
CNT 62B  CISCO NETWORKING ACADEMY CCNA 3-4           4 UNITS
This course covers the third and fourth parts of the Cisco Certified Network Associate (CCNA) curriculum, and the objectives of the CCNA 640-811 ICND exam. It covers Internetwork topology and design, configuring LAN switches, STP, VLANs and trunking, TCP/IP suite, VLSM / CIDR IP addressing and subnetting, advanced routing concepts and configuration for RIP, EIGRP, IGRP, and static routes. Also includes WANs using Frame Relay, ISDN, dial-on-demand routing, PPP, PAP/CHAP authentication, and network address translation. Network security, best practices, router-switch security, passwords, and remote access concepts. This class includes hands-on experience using Cisco routers and switches. Prerequisite: Computer Networking Technology 62A (completed with a grade of "C" or higher) or completion of Cisco Networking Academy 1 & 2 at a Cisco Academy. (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

**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/CIS 95.  (May be taken 4 times).

Grading Option: OP                          Transfer: CSU

# Early Childhood Development

## 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.*

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

## 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)

## 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 60 (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 sub-stituted for 1 unit of*

**REVISED CERTIFICATE**

## Certificate of Completion

## 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**
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 TITLE**
ECD 62    CHILD, FAMILY, AND COMMUNITY                 3 UNITS
Patterns of family living in contemporary society including the varying roles and interactions of family members; demographic, socio-cultural, racial and economic factors affecting family life; relationship of the family to early care and education and to community resources. 3 hours.
Grading Option: GR                              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 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 · General Studies

## English (ENG)

**COURSE REVISION; NEW CATALOG DESCRIPTION**
ENG 7    CRITICAL THINKING AND WRITING ACROSS DISCIPLINES
3 UNITS

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: GR                          Transfer: CSU, UC

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION; CHANGE OF ADVISORY**
ENG 12    THE CRAFT OF WRITING FICTION            3 UNITS
Practice in writing fiction.  Developing internal and external sources for stories and novels; biographical sources, characterization, plot, points-of-view, narrative techniques; analysis and criticism of published writing and individual's own work. Strongly recommended: English 11 and Eligibility for English 1A. (May be taken 3 times). 3 hours.
Grading Option: OP                          Transfer: CSU

**COURSE REVISION; NEW TITLE; CHANGE OF ADVISORY**
ENG 13    THE CRAFT OF WRITING POETRY            3 UNITS
Practice in writing poetry, using materials drawn from published poetry and individual's own work for analysis and criticism, with a focus on techniques of revision.  Strongly recommended: English 11 and Eligibility for English 1A.  (May be taken 3 times).  3 hours.
Grading Option: OP                          Transfer: CSU

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**
ENG 19    LITERARY MAGAZINE            2 UNITS
Practical training in the managing, editing, and printing of a literary supplement and/or magazine.  Enrollment constitutes the staff of the magazine. (May be taken 3 times).  2 hours.
Grading Option: OP                          Transfer: CSU

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**
ENG 20    STUDIES IN SHAKESPEARE            3 UNITS
Readings of the sonnets and representative comedies, histories, tragedies, and romances of William Shakespeare, with attention to the early, middle and late phases of his art and to the Age of Elizabeth.  Prerequisite:  English 1A (completed with a grade of "C" or higher).  3 hours.
Grading Option: OP                          Transfer: CSU, UC

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**
ENG 32    U.S. WOMEN'S LITERATURE            3 UNITS
Chronicles the expression of U.S. women authors through readings in a variety of genres such as fiction, poetry, drama, and the essay. Study of the works of at least three of the following groups: African Americans, Asian Americans, European Americans, Hispanic Americans, and Native Americans, with a particular focus on the 20th century.  Prerequisite: English 1A (completed with a grade of "C" or higher).  3 hours.
Grading Option: OP                          Transfer: CSU, UC

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**
ENG 44    LITERATURE OF THE AMERICAN WEST            3 UNITS
Critical analysis of the cultural and historical experiences of diverse people of the American West as expressed in their literatures, including the novel, short story, poetry, autobiography, memoirs, as-told-to-narratives, and secondary works.  Exploration of interrelationships among peoples and cultures of the West, considering place and community, gender, and ethnicity as given voice in literature. Study of the works of at least three of the following groups: African Americans, Asian Americans, European Americans, Hispanic Americans, Native Americans.  Emphasis upon techniques of critical review of and response to literary works, including gaining understanding of one's identity as a Westerner and an American.  Prerequisite:  English 1A (completed with a grade of "C" or higher). 3 hours.
Grading Option: OP                          Transfer: CSU, UC

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**
ENG 45   STUDIES IN FICTION            3 UNITS
Form, development, and cultural insights of the novel and short story; exploration of particular themes or periods as reflected in works of fiction.  Prerequisite: English 1A (completed with a grade of "C" or higher). (May be taken 4 times).  3 hours.
Grading Option: OP                          Transfer: CSU, UC

**COURSE INACTIVE EFFECTIVE FALL 07**
ENG 52A ESSENTIALS OF COMMUNICATION

**COURSE INACTIVE EFFECTIVE FALL 07**
ENG 70    REPORT WRITING

## General Studies (GNST)

**COURSE REVISION; NEW CATALOG DESCRIPTION**
GNST 25 STUDENT GOVERNMENT LEADERSHIP            1-2 UNITS
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**
GNST 25L    STUDENT GOVERNMENT LEADERSHIP LABORATORY
1-3 UNITS

Practical application of the skills of effective student government leadership. Includes, but is not limited to, conducting and attending meetings, holding office hours, sitting on committees, and planning and attending campus events.  (May be taken 4 times).  3-9 hours laboratory.
Grading Option: OP                          Transfer: CSU

**NEW COURSE**
GNST 100    FOUNDATIONS FOR LEARNING SUCCESS            3 UNITS
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

## 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)

# International Studies

## 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 Economics: Microeconomics) and/or Economics 2 (Principles of Economics: 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 (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

**COURSE REVISION**

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

**COURSE REVISION**

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, photojournalism, 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. Strongly Recommended: Eligibility for English 1.  Corequisite: Mass Communications 15.  (May be taken 4 times).  6 hours laboratory.

Grading Option: GR        Transfer: CSU

**NEW COURSE**

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 (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*

**COURSE REVISION; NEW CATALOG DESCRIPTION**

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*

**COURSE REVISION; NEW CATALOG DESCRIPTION**

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

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION; PREREQUISITE CHANGE**

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

**COURSE REVISION; NEW TITLE AND CATALOG DESCRIPTION**

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

calculations, ratio and proportions, angles, unit conversions, measurements and measurement tools and their application in the trades. 2 hours lecture, 3 hours laboratory.
Grading Option: OP

## 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).  1 hour.
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, identify, 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

## Psychology/Counseling (PSCN)

**NEW COURSE**

PSCN 40    LIFE SKILLS: PERSONAL FINANCE            1 UNIT
Promoting financial responsibility and the application of math skills to everyday money matters. Emphasis on learning and understanding basic banking skills, including balancing a checkbook, credit card use, and the difference between needs versus wants, which will contribute to financial stability for individuals and the communities they live in. 1 hour.
Grading Option: OP                          Transfer: CSU

## Sociology (SOC)

**COURSE REVISION**

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, UC

## Theater Arts (THEA)

**COURSE REVISION; NEW CATALOG DESCRIPTION**

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: GR                          Transfer: CSU, UC

# Visual Communications

REVISED CERTIFICATE

## 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) ........................
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    WEBSITE 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 WEBSITE 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

**COURSE REVISION; NEW CATALOG DESCRIPTION**
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

**COURSE REVISION: NEW CATALOG DESCRIPTON**
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

# Key to Buildings

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

# Las Positas College

3033 Collier Canyon Road
Livermore, CA 94551
925.424.1000

LOT P

LOT E

1

2500

2

2400

LOT D

2200

4

3

2000

1700

LOT F

1600

1500

LOT C

1200

1800

1000

6

1300

900

LOT G

800

700

1400

300

600

500

200

7

400

100

8

LOT B

9

LOT A

**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**

680

580

**AIRWAY
EXIT**

**DUBLIN**

**PLEASANTON**   **LIVERMORE**

E  N  W
   S

# 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