

LAS POSITAS
COLLEGE



CATALOG
ADDENDUM
2008-2010



Students First!

Welcome to the 2008-2010 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 2010, and will span 2010-2012.

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 2008-2010 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 2008-2010 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 2008 or Spring 2009, you will be able to adhere to the requirements listed in the 2008-2010 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, 925 424-1400.

Academic Calendar

Fall 2009 Semester

August 13	Convocation Day
August 14	Division Day
August 17	Regular Full-Term Instruction Begins
August 22	Instruction Begins – Saturday Classes
August 28	Last Day to ADD/DROP with No-Grade-of-Record in person (A&R)
August 30	Last Day to ADD/DROP via CLASS-web
August 31	CENSUS DAY
September 5	Labor Day Weekend – No Saturday Classes
September 7	Labor Day (no instruction)
September 18	Last Day to Apply for Credit/No Credit
October 29	60% Point for Financial Aid
October 30	Last Day to Apply for Graduation
November 6	Last Day to Withdraw with a "W" in person
November 6	Last Day to Withdraw with a "W" via CLASS-web
November 13	Veterans Day (no instruction)
November 14	Saturday Classes Meet
November 25-28*	Thanksgiving Recess (no instruction)
December 12**	Last Day of Saturday Classes
December 14-18	Final Examinations
December 19**	Final Examination–Saturday Classes

Spring 2010 Semester

January 18*	Holiday – Martin Luther King, Jr.
January 19	Instruction Begins
January 23	Instruction Begins–Saturday Classes
February 5	Last Day to ADD/DROP with No-Grade-of-Record (NGR) in person (A&R)
February 7	Last Day to ADD/DROP via CLASS-web
February 8	CENSUS DAY
February 12–15*	Presidents' Weekend (no instruction)
February 19	Last Day to Apply for Credit/No Credit
April 3	60% Point for Financial Aid
April 3	Saturday classes meet
April 5-10	Spring Break (no instruction)
April 16	Last Day to Apply for Graduation
April 16	Last Day to Withdraw with a "W" in person and on CLASS-web
May 15**	Last Day of Saturday Classes
May 21	Last Day of Instruction
May 22**	Final Examinations—Saturday Classes
May 24-28	Final Examinations
May 29	Commencement
May 31	Memorial Day (no instruction/no final examinations)
June 4	Grades Due

* Holiday/All Employees

** Saturday Only Classes

NOTE: The deadlines listed above refer to regular, full-term classes only. Alternate courses have varying deadlines posted in the lobby of the Admissions and Records Office, Building 700. You will also find deadlines on "CLASS-web" or ask your instructor.

California State University General Education (GE) Breadth Requirements for Las Positas College, 2009 - 2010 (Effective Fall 2009)

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 Select at least 1 course from each Group below, total 9 units required; <i>must be completed with a grade of C or better.</i>			
A1: Oral Communication Speech 1, 46			
A2: Written Communication English 1A			
A3: Critical Thinking English 4, 7 or Speech 46			
AREA B: PHYSICAL AND LIFE SCIENCES AND MATHEMATICS Select at least 1 course from each Group listed below, minimum 9 units required			
B1: Physical Science Astronomy 1, 10, 20, 30 Chemistry <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>			
B2: Life Science Ecology 10 Microbiology <u>1</u> Physiology <u>1</u> Psychology 4* Zoology <u>1</u> <i>*Also listed in Area D but can only be used in one area.</i>			
B3: Physical or Life Science Laboratory One of the courses selected from Group B1 or B2 must include a laboratory. Underlined courses are lab courses. Lab must be associated with the lecture course.			
B4: Mathematics Select 1 course ; <i>must be completed with a grade of C or better.</i> Mathematics 1, 7, 10, 20, 33, 34, 38, 41, 42A, 42B, 44, 45			
AREA C: ARTS, LITERATURE, PHILOSOPHY AND FOREIGN LANGUAGE Select 3 courses from below, minimum 9 units ; at least 1 course from ARTS , 1 course from HUMANITIES			
C1: Arts Select at least 1 course from below Art 1, 2A, 3A, 4, 5, 10, 11 Creative Arts 10 Music 1, 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, 32, 44*, 45 French 2A, 2B History 1*, 2* Humanities 1, 3, 10, 28, 35, 40, 44 Philosophy 1, 2, 3, 4, 5, 7, 25 Religious Studies 1, 2, 3, 11 Spanish 2A, 2B Speech 2A, 5 <i>*Also listed in Area D but can only be used in one area.</i>			
AREA D: SOCIAL, POLITICAL AND ECONOMIC INSTITUTIONS AND BEHAVIOR Select 3 courses from below, minimum 9 units from at least 2 different subjects from groups D1 through D9			
D1: Anthropology and Archeology Anthropology 1*, 2, 3, 4, 5, 12 <i>*Also listed in Area B but can only be used in one area.</i>			
D2: Economics Economics 1, 2, 5, 10			
D3: Ethnic Studies Anthropology 5 Early Childhood Education 79 English 44* History 14, 25, 28 Psychology-Counseling 13 Sociology 3 <i>*Also listed in Area C but can only be used in one area.</i>			
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 <i>*Also listed in Area C but can only be used in one area</i>			
D7: Interdisciplinary Social or Behavioral Science Business 30 Early Childhood Development 51, 62, 79 Marketing 50 Mass Communications 5, 31 Psychology-Counseling 3, 13 Sociology 5			
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***, 20 Psychology-Counseling 3 <i>* Also listed in Area B but can only but used in 1 area</i> <i>** Also listed in Area E but can only but used in 1 area</i> <i>*** ECD 15 + Psych 15, maximum credit 3 units</i>			
D0: Sociology and Criminology Sociology 1, 3, 4, 6, 11			

California State University General Education (GE) Breadth Requirements (cont'd)

for Las Positas College, 2009 - 2010 (Effective Fall 2009)

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 Select 3 units from below			
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Health 1, 2, 55 Nutrition 1 Physical Education 24** and any Physical Education activity course listed in the 2008-2010 Catalog**** Psychology 10, 12*, 24** Psychology-Counseling 7***, 10, 11 </div> <div style="width: 45%;"> Sociology 7 Speech 10 <i>* Also listed in Area D but can only be used in one area.</i> <i>** Psych 24 + PE 24, 3 units maximum credit.</i> <i>*** For Area E credit, course must be taken once for 3 units.</i> <i>**** Limit 2 units; see www.assist.org for complete list of PE activity courses.</i> </div> </div>			
AMERICAN INSTITUTIONS REQUIREMENT: Complete 1 of the groups below Completion of the United States History, Constitution, and American Ideals Requirement is required for graduation from any CSU Campus. All CSUs will allow up to 6 of the units taken to meet this requirement to be credited toward satisfying the General Education Breadth Requirements in Area D.			
GROUP 1 – History 7 + History 8 GROUP 2 – Political Science 7 + History 7, 8, 25, or 32			

PLEASE NOTE THIS IMPORTANT INFORMATION

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

Intersegmental General Education Transfer Curriculum (IGETC)

for Las Positas College, 2009 - 2010 (Effective Fall 2009)

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= NEEDIP=IN PROGRESSC=COMPLETED	N	IP	C			
AREA 1: ENGLISH COMMUNICATION CSU: Select 3 courses , total 9 units required, <i>select 1 from EACH group below</i> UC: Select 2 courses , total 6 units required, <i>select 1 from Group 1A and 1 from Group 1B</i>						
GROUP 1A: English Composition (3 units) English 1A						
GROUP 1B: Critical Thinking/English Composition (3 units) English 4 or 7						
GROUP 1C: Oral Communication - CSU only (3 units) Speech 1 or 46						
AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING Select 1 course from below; minimum 3 units required						
Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 42A, 42B, 44, 45						
AREA 3: ARTS AND HUMANITIES Select 3 courses from below, minimum 9 units ; at least 1 course from ARTS, 1 course from HUMANITIES						
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> 3A: ARTS <i>Select at least 1 course from below</i> Art 1, 4, 5 Creative Arts 10 Music 1, 4, 5, 8A, 8B Photography 67 Theater Arts 4, 10, 11, 12, 14* *Minimum of 3 units required to clear requirement </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> 3B: HUMANITIES <i>Select at least 1 course from below</i> American Sign Language 2A, 2B English 3, 20, 32, 44, 45 French 2A, 2B Humanities 1, 3, 10, 28, 35, 44 Philosophy 1, 2, 3, 4, 5, 25 Religious Studies 1, 2, 3, 11 Spanish 2A, 2B </td> </tr> </table>	3A: ARTS <i>Select at least 1 course from below</i> Art 1, 4, 5 Creative Arts 10 Music 1, 4, 5, 8A, 8B Photography 67 Theater Arts 4, 10, 11, 12, 14* *Minimum of 3 units required to clear requirement	3B: HUMANITIES <i>Select at least 1 course from below</i> American Sign Language 2A, 2B English 3, 20, 32, 44, 45 French 2A, 2B Humanities 1, 3, 10, 28, 35, 44 Philosophy 1, 2, 3, 4, 5, 25 Religious Studies 1, 2, 3, 11 Spanish 2A, 2B				
3A: ARTS <i>Select at least 1 course from below</i> Art 1, 4, 5 Creative Arts 10 Music 1, 4, 5, 8A, 8B Photography 67 Theater Arts 4, 10, 11, 12, 14* *Minimum of 3 units required to clear requirement	3B: HUMANITIES <i>Select at least 1 course from below</i> American Sign Language 2A, 2B English 3, 20, 32, 44, 45 French 2A, 2B Humanities 1, 3, 10, 28, 35, 44 Philosophy 1, 2, 3, 4, 5, 25 Religious Studies 1, 2, 3, 11 Spanish 2A, 2B					
AREA 4: SOCIAL AND BEHAVIORAL SCIENCES Select 3 courses , minimum 9 units from at least 2 subjects below <i>*Indicates courses may be listed in more than one area but will NOT be certified more than once</i>						
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top; padding: 5px;"> Anthropology 1*, 2, 3, 4, 5, 12 Early Childhood Development 51 Economics 1, 2, 5, 10 Geography 2, 5, 12 </td> <td style="width: 33%; vertical-align: top; padding: 5px;"> History 1, 2, 7, 8, 14, 25, 28, 32 Mass Communications 5, 31 Political Science 7, 20, 25, 30 </td> <td style="width: 33%; vertical-align: top; padding: 5px;"> Psychology 1, 2, 3, 4*, 6, 12, 20 Psychology-Counseling 13 Sociology 1, 3, 4, 5, 6, 11 </td> </tr> </table>	Anthropology 1*, 2, 3, 4, 5, 12 Early Childhood Development 51 Economics 1, 2, 5, 10 Geography 2, 5, 12	History 1, 2, 7, 8, 14, 25, 28, 32 Mass Communications 5, 31 Political Science 7, 20, 25, 30	Psychology 1, 2, 3, 4*, 6, 12, 20 Psychology-Counseling 13 Sociology 1, 3, 4, 5, 6, 11			
Anthropology 1*, 2, 3, 4, 5, 12 Early Childhood Development 51 Economics 1, 2, 5, 10 Geography 2, 5, 12	History 1, 2, 7, 8, 14, 25, 28, 32 Mass Communications 5, 31 Political Science 7, 20, 25, 30	Psychology 1, 2, 3, 4*, 6, 12, 20 Psychology-Counseling 13 Sociology 1, 3, 4, 5, 6, 11				
AREA 5: PHYSICAL SCIENCE AND BIOLOGICAL SCIENCE Select 1 Physical Science course and 1 Biological Science course from below; minimum 7 units ; 1 course must include a laboratory indicated with an underline <i>*Courses may be listed in more than one area but will NOT be certified more than once</i>						
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> 5A: PHYSICAL SCIENCE Astronomy 1, 10, 20, <u>30</u> Chemistry <u>1A</u>, <u>1B</u>, <u>12A</u>, <u>12B</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> </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> 5B: BIOLOGICAL 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>50</u> Botany <u>1</u> Ecology 10 Microbiology <u>1</u> Physiology <u>1</u> Psychology 4* Zoology <u>1</u> </td> </tr> </table>	5A: PHYSICAL SCIENCE Astronomy 1, 10, 20, <u>30</u> Chemistry <u>1A</u> , <u>1B</u> , <u>12A</u> , <u>12B</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>	5B: BIOLOGICAL 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>50</u> Botany <u>1</u> Ecology 10 Microbiology <u>1</u> Physiology <u>1</u> Psychology 4* Zoology <u>1</u>				
5A: PHYSICAL SCIENCE Astronomy 1, 10, 20, <u>30</u> Chemistry <u>1A</u> , <u>1B</u> , <u>12A</u> , <u>12B</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>	5B: BIOLOGICAL 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>50</u> Botany <u>1</u> Ecology 10 Microbiology <u>1</u> Physiology <u>1</u> Psychology 4* Zoology <u>1</u>					
AREA 6: LANGUAGE OTHER THAN ENGLISH - UC REQUIREMENT ONLY <i>Proficiency in a language other than English may be met in one of the ways listed below</i>						
1. Complete 1 of the following courses or a higher level: ASL 1A, French 1A, Italian 1A, Spanish 1A. 2. Complete 2 years of high school study in the same language, completed with a grade of 'C-' or higher. 3. Demonstrating equivalent proficiency prior to transfer may also satisfy this requirement. See counselor for details.						
AMERICAN INSTITUTIONS REQUIREMENT - CSU GRADUATION REQUIREMENT ONLY Complete 1 of the combinations below. <i>These courses may also be applied to Area 4.</i>						
Group 1: History 7 and History 8 Group 2: Political Science 7 and one of the following: History 7, 8, 25, 32						

PLEASE NOTE THIS IMPORTANT INFORMATION

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

FAQS

Intersegmental General Education Transfer Curriculum (IGETC)

Q What is the Intersegmental General Education Transfer Curriculum (IGETC)?

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

Q Will all UC and CSU campuses accept the IGETC?

A NO. UC San Diego's Eleanor Roosevelt and Revelle Colleges and UC Berkeley's Haas School of Business will NOT accept IGETC.

Q Is it advisable for all transfer students to follow the IGETC?

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

Q Is IGETC an admission requirement?

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

Q What alternatives to IGETC exist?

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

Q What is IGETC certification?

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

Las Positas College General Education Pattern for Associate in Arts Degree

2009 – 2010 (Effective Fall 2009)

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 with a grade of 'C' or higher or 'P'			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, 10, 20, 33, 34, 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 one level above intermediate algebra or higher using multiple measures such as the LPC Placement Examination and previous course work; or 2. Submit documentation that a course equivalent to one of the mathematics courses listed below has been completed (with a grade of "C" or higher or "P") at another college/university; or 3. Complete one of the following courses (with a grade of "C" or higher or "P"): Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 38, 41, 42A, 44, 45, 55, 55B, 57							
NATURAL SCIENCES Complete 1 course from below			3 UNITS				
<i>* Meets either the Natural Sciences or Social and Behavioral Sciences requirement</i>							
Anatomy 1 Anthropology 1L, 13* Astronomy 1, 10, 20, 30 Biology 1, 5, 10, 20, 31, 50 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 <i>* Meets Humanities and/or American Cultures requirement</i>			3 UNITS				
American Sign Language 2A Art 1, 2A, 3A, 4, 5, 10 Creative Arts 10 English 11, 12, 13, 20, 32, 44*, 45 French 2A	History 1, 2 Humanities 1, 3, 7, 10, 28, 35, 40, 44 Music 1, 4*, 5*, 12, 14, 43, 44, 45, 46A, 46B Philosophy 1, 2, 3, 4, 5, 7, 25	Photography 67 Religious Studies 1, 2, 3, 11 Spanish 2A Speech 2A, 5, 11* Theater Arts 1A, 1B, 4*, 10, 12, 47, 48 Welding Technology 71					
SOCIAL AND BEHAVIORAL SCIENCES Complete 1 course from below			3 UNITS				
<i>* Meets Social & Behavioral Sciences and/or American Cultures requirement</i>							
<i>** Meets either Natural Sciences or Social & Behavioral Sciences requirement</i>							
Anthropology 1, 2, 3, 4, 5*, 12, 13** Business 30 Early Childhood Development 15, 51, 62, 79*	Economics 1, 2, 5, 10 Geography 1**, 2, 5, 12, 15** History 25, 28*, 32* Mass Communications 5, 31	Political Science 12, 20, 25, 30 Psychology 1, 2, 3, 4, 15, 20** Psychology-Counseling 3*, 8*, 13* Sociology 1, 3*, 4, 5, 11					
WELLNESS Complete 3 units from AREAS OF HEALTH and 1 unit from PHYSICAL EDUCATION			4 UNITS				
<i>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.</i>							
Areas of Health: Health 1, 55 (2 units); Nutrition 1	Physical Education*: 4, 12, 31-48, Dance 1 and any Physical Education activity course listed in the 2008-2010 Catalog or the 2009 Addendum						
AMERICAN INSTITUTIONS (AI) Complete 1 course from below; <i>partially satisfies CSU AI requirement</i>			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 'P'			3 UNITS				
<i>Where appropriate, the course can simultaneously satisfy 1 other graduation or subject requirement</i>							
Anthropology 5 English 44 Early Childhood Development 79	History 14, 28, 32 Music 4, 5 Psychology-Counseling 3, 8, 13	Political Science 12 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.

Las Positas College General Education Pattern for Associate in Science Degree

2009 - 2010 (Effective Fall 2009)

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 with a grade of 'C' or higher or 'P'		3 UNITS			
English 1A					
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, 10, 20, 33, 34, 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 one level above intermediate algebra or higher using multiple measures such as the LPC Placement Examination and previous course work; or 2. Submit documentation that a course equivalent to one of the mathematics courses listed below has been completed (with a grade of "C" or higher or "P") at another college/university; or 3. Complete one of the following courses (with a grade of "C" or higher or "P"): Mathematics 1, 2, 3, 5, 7, 10, 20, 33, 34, 38, 41, 42A, 44, 45, 55, 55B, 57					
NATURAL SCIENCES Complete 1 course from below		3 UNITS			
<i>* Meets either the Natural Sciences or Social and Behavioral Sciences requirement</i>					
Anatomy 1 Anthropology 1L, 13* Astronomy 1, 10, 20, 30 Biology 1, 5, 10, 20, 31, 50 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			
<i>* Meets Humanities and/or American Cultures requirement</i>					
American Sign Language 2A Art 1, 2A, 3A, 4, 5, 10 Creative Arts 10 English 11, 12, 13, 20, 32, 44*, 45 French 2A	History 1, 2 Humanities 1, 3, 7, 10, 28, 35, 40, 44 Music 1, 4*, 5*, 12, 14, 43, 44, 45, 46A, 46B Philosophy 1, 2, 3, 4, 5, 7, 25 Photography 67	Religious Studies 1, 2, 3, 11 Speech 2A, 5, 11* Spanish 2A Theater Arts 1A, 1B, 4*, 10, 12, 47, 48 Welding Technology 71			
SOCIAL AND BEHAVIORAL SCIENCES Complete 1 course from below		3 UNITS			
<i>* Meets Social & Behavioral Sciences and/or American Cultures requirement</i>					
<i>** Meets either Natural Sciences or Social & Behavioral Sciences requirement</i>					
Anthropology 1, 2, 3, 4, 5*, 12, 13** Business 30 Early Childhood Development 15, 51, 62, 79*	Economics 1, 2, 5, 10 Geography 1**, 2, 5, 12, 15** History 25, 28*, 32* Mass Communications 5, 31	Political Science 7, 12, 20, 25, 30 Psychology 1, 2, 3, 4, 15, 20** Psychology-Counseling 3*, 8*, 13* Sociology 1, 3*, 4, 5, 11			
PHYSICAL EDUCATION Complete 1 unit from below*		1 UNIT			
Physical Education 4, 12, 31-48, Dance 1 and any Physical Education activity course listed in the 2008-1010 Catalog or 2009 Addendum. <i>*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.</i>					
PROGRAM-BASED GENERAL EDUCATION REQUIREMENT		3 UNITS			
The required course is specific to each individual A.S. Degree Major.					
Refer to the major in the 2008-2010 Catalog, the 2009 Addendum, or check in the Counseling Office, Building 700					
AMERICAN CULTURES Complete 1 course from below with a grade of 'C' or higher or 'P'					
<i>Where appropriate, the course can simultaneously satisfy 1 other graduation or subject requirement</i>					
Anthropology 5 English 44 Early Childhood Education 79	History 14, 28, 32 Music 4, 5 Political Science 12	Psychology-Counseling 3, 8, 13 Sociology 3 Speech 11 Theater Arts 4			

LAS POSITAS COLLEGE ASSOCIATE IN SCIENCE DEGREE GRADUATION REQUIREMENTS

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

Reciprocity Program & Advanced Placement

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.

Change, Catalog Page 12 and Page 41

Advanced Placement Examinations

Las Positas College grants academic credit for successful completion of examinations of the Advanced Placement (AP) Program of the College Entrance Examination Board (C.E.E.B.). Credit awarded based on passing AP scores (3, 4, or 5) may be applied differently for the AA/AS degree and for transfer; therefore, students are advised to consult with a counselor for information on how their AP scores will be applied based on their educational goals. Courses deemed equivalent to AP exams as determined by LPC faculty (see chart on page 11) may be used to clear pre-requisites as appropriate – see a counselor for details. Students may not receive duplicate credit for AP exams and the equivalent courses taken at the college.

The AP Chart on page 11 displays how credit is awarded for the following:

- Las Positas College AA/AS degree – units and course equivalency
- CSU General Education Breadth pattern and units toward CSU transfer admission
- IGETC (Intersegmental General Education Transfer Curriculum) – GE pattern for CSU and/or UC

In order to receive academic credit toward the AA/AS degree and/or CSU GE Breadth/IGETC certification for AP exams, students must submit the official AP score report from the C.E.E.B. to the Admissions and Records Office and request the score report to be scanned into their student records. The scanning request may be initiated by meeting with a counselor (Counseling Office, Building 700). In cases where the AP exams are not listed on the AP Chart or do not earn credit, students may petition the academic discipline for consideration of credit.

Advanced Placement Credit Chart

EXAMINATION TITLE	AP SCORE	LPC EQUIVALENT	AA/AS CREDIT	CSU GE CREDIT	IGETC CREDIT	UNITS TOWARD CSU TRANSFER *****
Art: Studio	See Note*	Art 2A, 10, or 11	3-6 units	None	None	3
Art: History	3, 4, or 5	Art 4 and 5	6 units	3 units, Area C1 or C2	3 units, Area 3A or 3B	6
Biology	3, 4, or 5	Biology 31	4 units	4 units, Areas B2 and B3 (lab)	4 units, Area 5B + lab	6
Chemistry	3, 4, or 5	Chemistry 1A	5 units	4 units, Areas B1 and B3 (lab)	4 units, Area 5A + lab	6
Chinese Language & Culture	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	6
Computer Science A***	3, 4, or 5	None	None	None	None	3
Computer Science AB***	3, 4, or 5	None	None	None	None	6
Economics: Macroeconomics	3, 4, or 5	None	None	3 units, Area D2	3 units, Area 4	3
Economics: Microeconomics	3, 4, or 5	None	None	3 units, Area D2	3 units, Area 4	3
English: Language & Composition	3, 4, or 5	English 1A	3 units	3 units, Area A2	3 units, Area 1A	6
English: Literature & Composition	3, 4, or 5	English 1A and 3	6 units	6 units, Areas A2 and C2	3 units, Area 1A or 3B	6
Environmental Science	3, 4, or 5	None	None	4 units, Areas B1 + B3 4 units, Areas B2 + B3 until F09	3 units, Area 5A + lab	4
French: Language	3, 4, or 5	French 1A and 1B	10 units	3 units, Area C2	3 units, Areas 3B and 6	6
French: Literature**	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	6
German: Language	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	6
Govt. & Politics: U.S.	3, 4, or 5	Political Science 7	4 units	3 units, Area D8	3 units, Area 4	3
Govt. & Politics: Comparative	3, 4, or 5	None	None	3 units, Area D8	3 units, Area 4	3
History: European	3, 4, or 5	History 2	3 units	3 units, Area C2 or D6	3 units, Area 3B or 4	6
History: U.S.*****	3, 4, or 5	History 7 and 8	6 units	3 units, Area C2 or D6	3 units, Area 3B or 4	6
History: World	3, 4, or 5	None	None	3 units, Area C2 or D6	3 units, Area 3B or 4	6
Human Geography	3, 4, or 5	None	None	3 units, Area D5	3 units, Area 4	3
Italian Language & Culture	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	6
Japanese Language & Culture	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	6
Latin Literature**	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	6
Latin: Vergil	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	3
Math: Calc AB***	3, 4, or 5	Math 1	5 units	3 units, Area B4	3 units, Area 2	3
Math: Calc BC***	3, 4, or 5	Math 1 and 2	10 units	3 units, Area B4	3 units, Area 2	6
Music: Listening & Literature	3, 4, or 5	Music 1	3 units	None	None	None
Music: Theory**	3, 4, or 5	None	None	3 units Area C1	None	6
Physics B****	3, 4, or 5	Physics 2A	4 units	4 units, Area B1 + B3 (lab)	4 units, Area 5A + lab	6
Physics C: Mechanics****	3, 4, or 5	Physics 8A	5 units	4 units, Area B1 + B3 (lab)	3 units, Area 5A + lab	4
Physics C: Elect/Magnetism****	3, 4, or 5	Physics 8B	5 units	4 units, Area B1 + B3 (lab)	3 units, Area 5A + lab	4
Psychology	3, 4, or 5	None	None	3 units, Area D9	3 units, Area 4	3
Spanish: Language	3, 4, or 5	Spanish 1A and 1B	10 units	3 units, Area C2	3 units, Areas 3B and 6	6
Spanish: Literature	3, 4, or 5	None	None	3 units, Area C2	3 units, Areas 3B and 6	6
Statistics	3, 4, or 5	Math 42A	3 units	3 units, Area B4	3 units, Area 2	3

* Department consent and portfolio review

** These AP exams will be removed from CSU GE Breadth beginning Fall 2009. Students must have passed the exam before this date.

*** If a student passes more than one AP exam in Calculus or Computer Science, only one exam may be applied toward the baccalaureate at CSU.

**** If a student passes more than one AP exam in Physics, only six units may be applied to the baccalaureate at CSU, and only four units may be applied to a certification of CSU GE Breadth.

***** Score of 3 or higher satisfies portion of the CSU American Institutions Graduation requirement ("US-1"). The passing AP score plus POLI 7 (at LPC) completely satisfies the American Institutions requirement.

***** These units count toward eligibility for admission. The units may not all apply toward certification of the corresponding CSU GE-Breadth Area.

Corrections to GE/Transfer Info in 2008-10 Catalog

Change: Corrections to GE/Transfer Information in 2008-2010 Catalog

The chart below lists the correct Las Positas College general education and transfer information for courses incorrectly notated in the 2008-10 Catalog.

Course Number	Course Title	Articulation Information
ASL 1A	American Sign Language I	AA/AS GE. Transfer: CSU, UC; IGETC: Area 6
BUSN 18	Business Law	Transfer: CSU, UC
BUSN 74	Office Procedures	Not transferable to CSU or UC
CIS 48	Introduction to Game Programming Concepts	Transfer: CSU, UC
Colloquium 9	Colloquium	Transfer: CSU (No transfer unit limitations); Not UC transferable
Contemporary Studies	Contemporary Studies	Transfer: CSU (No transfer unit limitations); Not UC transferable
CS 48	Introduction to Game Programming Concepts	Transfer: CSU, UC
ECD 83	Adult Supervision	Transfer: CSU
ELEC 85.3	AC2 Fundamentals	Transfer: CSU
ELEC 85.6	Digital Circuits 1	Transfer: CSU
ELEC 86.2	Operational Amplifier Applications	Transfer: CSU
ENG 12	The Craft of Writing Fiction	AA/AS GE. Transfer: CSU; CSU GE: C2
ENG 13	The Craft of Writing Poetry	AA/AS GE. Transfer: CSU; CSU GE: C2
FREN 2B	Advanced French	Transfer: CSU, UC; CSU GE: C2; IGETC: Area 3B
HUMN 7	Contemporary Humanities	AA/AS GE. Transfer: CSU, UC
Independent Study 29	Independent Study	Transfer: CSU (Not UC transferable)
MATH 38	Trigonometry with Geometry	AA/AS GE. Transfer: CSU; CSU GE: B4
MATH 42A	Introduction to Probability and Statistics	AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: Area 2 *Credit is limited to one of the following: MATH 41, MATH 42A & 42B, or MATH 44
MATH 42B	Statistical Analysis	AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: Area 2 * Credit is limited to one of the following: MATH 41, MATH 42A & 42B, or MATH 44
MATH 44	Statistics and Probability	AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: Area 2 * Credit is limited to one of the following: MATH 41, MATH 42A & 42B, or MATH 44
MATH 45	College Algebra	AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: Area 2 *MATH 20 & 45 combined, max credit, 1 course
MSCM 31	Introduction to Media	AA/AS GE. Transfer: CSU, UC* * MSCM 5 & 31 combined, max credit, one course
MUS 38	Individual Study	Transfer: CSU (No transfer unit limit)
PE 31	Intercollegiate Basketball (Men's)	AA/AS GE. Transfer: CSU, UC* *Max credit is 4 transfer units of PE activity courses

Corrections to GE/Transfer Info in 2008-10 Catalog

Course Number	Course Title	Articulation Information
PE 36	Intercollegiate Athletics: Cross Country	AA/AS GE. Transfer: CSU, UC* * Max credit is 4 transfer units of PE activity courses
PE 38	Intercollegiate Athletics: Soccer	AA/AS GE. Transfer: CSU, UC* * Max credit is 4 transfer units of PE activity courses
PE 41	Intercollegiate Basketball (Women's)	AA/AS GE. Transfer: CSU, UC* * Max credit is 4 transfer units of PE activity courses
PE 46	Intercollegiate Athleticsw: Women's Cross Country	AA/AS GE. Transfer: CSU, UC* * Max credit is 4 transfer units of PE activity courses
PE 48	Intercollegiate Athletics: Women's Soccer	AA/AS GE. Transfer: CSU, UC* * Max credit is 4 transfer units of PE activity courses
PHOT 99	Topics in Photography	Transfer: CSU (No transfer unit limitations)
RELS 3	An Introduction to Women's Spirituality	AA/AS GE. Transfer: CSU, UC; CSU GE: C2
SOC 5	Global Change	AA/AS GE. Transfer: CSU, UC; CSU GE: D7
SPAN 2B	Advanced Spanish	Transfer: CSU, UC; CSU GE: C2; IGETC: Area 3B
Special Studies 99		Transfer: CSU (No transfer unit limitations)
THEA 1A	Theory and Practice of Acting I	AA/AS GE. Transfer: CSU, UC; CSU GE: C1
THEA 1B	Theory and Practice of Acting II	AA/AS GE. Transfer: CSU, UC; CSU GE: C1
VACT 60B	Introduction to Vacuum Concepts II	Transfer: CSU
WEXP 98	Occupational Work Experience: Alternate Plan	Transfer: CSU

Pass/No Pass Grades

Pass/No Pass Grades* (Unit Limitations may exist at transfer institutions)

In accordance with the Education Code and the Administrative Code, Las Positas College has established a grading policy which adds the "P" (pass) and "NP" (no pass) grades to the standard letter grades (A, B, C, D, F) used in colleges and universities. Courses in which a "P" (pass) grade is earned will apply toward the 60 units required for graduation, but will not affect the student's grade point average. A maximum of 12 units of "P" (pass) may be attempted and applied toward the Associate in Arts or Associate in Science Degree. (Additional units may be applied provided the student secures prior approval of the division of Dean of Counseling.) A course in which a "NP" (no pass) grade is earned will not apply toward graduation and will not affect the student's grade point average. An excess of number of "NP" (no pass) grades will affect the student's academic progress ratio, resulting in a low figure.

Offering courses for pass/no pass grades provides the student with the opportunity to explore areas outside his/her current interest field without undue concern for his/her grade point average. This policy allows the student to take coursework outside his/her major without the fear of a sub-standard grade, namely a "D" or "F." Students are expected to complete the course and comply with College attendance requirements and other expectancies of the course. Should they fail to do so, their enrollment in the class may be terminated; and the work may be graded on the basis of a standard letter grade.

Las Positas College offers:

1. Some courses solely for a pass/no pass (P or NP) grade.
2. Some courses solely for a standard letter grade.
3. Some courses in which the student may choose to complete the course for either a pass/no pass grade OR for a standard letter grade.

On or before the last day of the fifth week of the semester, the student shall inform the Admissions and Records Office, by petition, of his/her intention to complete a course for a pass/no pass grade and the instructor shall report to the Dean of Enrollment Services a final grade of "P" (pass) or "NP" (no pass) for students who so petition. The student's decision to opt for pass/no pass grade may not be reversed by either the student or the instructor at a later date.

The "P" (pass) grade will be given to indicate completion of a course with "C" or better work.

A student may repeat a course in which a grade of "D," "F" or "NP" (no pass) is earned.

*Formerly "Credit/No Credit"

New/Revised Degrees, Certificates, Courses

Allied Health

Change: New Certificate of Achievement

Certificate of Achievement

Administrative Medical Assistant

Health 55 (Orientation to Health Care)	2
Computer Information Systems 8 (Essential Computing Skills)	2
Biology 50 (Anatomy and Physiology).....	4
Business 43 (Professional Communication) or Computer Information Systems 43 (Professional Communication).....	4
Health 61 (First Responder).....	2.5
Computer Information Systems 75 (Office Technology/ Communications).....	1
Health 52 (Basic Medical Terminology for Allied Health or Health 51A (Basic Medical Terminology)	3-4
Business 77 (Financial and Insurance Procedures for Medical Offices)	3
Computer Information Systems 79 (Medical Office Procedures).....	3
Practicum: Business 96 (Business Work Experience Seminar or Internship 1 (Internship Seminar)	1
and Business 95 (Business Work Experience or Internship 2 (Internship Field Placement)	1-3
Total units required.....	26.5-29.5

See also: Allied Health, Health, and Surgical Technology

Anthropology (ANTH)

Change: New title

ANTH 1 BIOLOGICAL/PHYSICAL ANTHROPOLOGY 3 UNITS
Humans as a biological species through an examination of the fossil evidence for human evolution, behavior of nonhuman primates, and human evolutionary biology and genetics. Emphasis on uniquely human biological and behavioral characteristics, as well as those shared with other animals. Current anthropological issues such as the biological meaning of race, genetic diseases, and the influence of evolution on human behavior. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: B2 or D1; IGETC Area 4 or 5B Degree Applicable, Credit Grading Option: OP

Change: New title; new catalog description

ANTH 1L BIOLOGICAL/PHYSICAL ANTHROPOLOGY LABORATORY 1 UNIT
Laboratory exercises developed as an adjunct to Anthropology 1 (Introduction to Physical/Biological 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. AA/AS GE. Transfer: CSU, UC; CSU GE : B3; IGETC: Area 5B Lab Degree Applicable, Credit Grading Option: OP

Change: New course

ANTH 4 LANGUAGE AND CULTURE 3 UNITS
The course is an introduction to the core concepts of linguistic anthropology and the study of language in culture and society, including how language perpetuates the identity of individuals through their social interactions and their culture in everyday speech events. Topics such as identity, social status, gender, race, and institutional power, are examined in contemporary language use. The course includes traditional study of the methods of linguistic anthropologists as well as the study of biological basis of communication and speech, the structure of language, language origins, language through time, language variation, the ethnography of communication, sociolinguistics, nonverbal communication and writing, and how cultural context sets meaning. 3 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: D1; IGETC: Area 4 Degree Applicable, Credit Grading Option: OP

Change: New title

ANTH 5 CULTURES OF THE U.S. IN GLOBAL PERSPECTIVE 3 UNITS
Issues relevant to understanding race, class, gender and ethnicity within the American setting. Historical as well as contemporary situation of the following groups: 1) African Americans; 2) Native Americans; 3) Hispanic Americans; 4) European Americans; and, 5) Asian Americans, among other groups. Emphasis on analyzing the way that public understandings of culture and biology are translated into social policy. Contemporary social issues such as race relations, multiculturalism, affirmative action, bilingual education, and the use and abuse of I.Q. testing. 3 hours. AA/AS GE. Transfer: CSU, UC; CSU GE: D1; IGETC: Area 4 Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

L A S P O S I T A S C O L L E G E C A T A L O G A D D E N D U M 2 0 0 8 - 2 0 1 0

Automotive Technology

Change: Revision

AS - Automotive Electronics Technology

Freshman Year

Automotive Technology 55 (Automotive Service).....	3.5
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).....	3
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 65 (Automotive Brake and Safety)	3
Automotive Technology 66 (Automotive Steering and Suspension Systems)	3
General Education Courses [§]	

Total units required..... 60

[§]Program-based General Education requirement:
Mathematics 71 (Applied Mathematics for Technicians)3

Recommended Electives

- Welding Technology 70
- Computer Information Systems 43
- Business 43
- Speech 10 (meets a General Education requirement)

Change: Revision

Certificate of Achievement

Automotive Technician

Automotive Technology 55 (Automotive Service).....	3.5
Automotive Technology 60A (Automotive Electrics/Electronics).....	4
Automotive Technology 60B (Automotive Electrics/Electronics II) ..	4
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 62 (Automotive Air Conditioning, Cooling and Heating Systems)	3
Automotive Technology 65 (Automotive Brake and Safety Inspection)	3
Automotive Technology 66 (Automotive Steering and Suspension Systems)	3
Automotive Technology 67A (Advanced Diagnosis and Troubleshooting of Automotive Systems)	4
Automotive Technology 67B (Advanced Diagnosis and Troubleshooting of Automotive Systems)	4
Total units required	36.5

Automotive Technology (AUTO)

Change: New course

AUTO 56 AUTOMOTIVE LABORATORY 2 UNITS
Automotive Lab is an open laboratory class for basic and advanced automotive students. This class is for students desiring to expand their hands-on experience using their own vehicle. Instructor will provide technical and supervisory support to guide students in completion of their self initiated projects. Service information via computer service manuals will be available for students to use for vehicle information and research. Prerequisite: Automotive Technology 55 (may be taken concurrently). 6 hours laboratory. Degree Applicable, Credit Grading Option: OP

Change: New course

AUTO 72A POWERTRAINS: ENGINES AND TRANSMISSIONS 4 UNITS
Part one of an in-depth study of engine, transmission, rear axle, front axle, and transfer cases: mechanical, measurement, and assembly. An in-depth study of the above mentioned components including theory, teardown, evaluate, qualifying, and rebuilding. This class' emphasis is on engines and transmissions. Students are encouraged to enroll in Automotive Lab concurrently. Prerequisite: Automotive Technology 55 (completed with a grade of "C" or higher). 3 hours lecture, 3 hours laboratory. Transfer: CSU (May be taken 4 times) Degree Applicable, Credit Grading Option: OP

Change: New course

AUTO 72B POWERTRAINS: TRANSFER CASES, FRONT AND REAR AXLES 4 UNITS
Part two of an in-depth study of engine, transmission, rear axle, front axle, and transfer cases: mechanical, measurement, and assembly. An in-depth study of the above mentioned components including theory, teardown, qualifying, and rebuilding. Class emphasis is on rear axles, front axles and transfer cases. Students are encouraged to enroll in Automotive Laboratory concurrently. Prerequisite: Automotive Technology 55 (completed with a grade of "C" or higher). 3 hours lecture, 3 hours laboratory. Transfer: CSU Degree Applicable, Credit Grading Option: OP

Change: New course

AUTO 72C POWERTRAINS: MODIFICATION FOR PERFORMANCE 4 UNITS
An in-depth study of engine and transmission modification in order to gain performance. This class will explain the differences in laws governing fifty state vehicles and those registered in California. How to gain performance legally and the penalties of breaking the law is also covered. Students will know the benefit versus cost of bolt-on performance products and major engine or transmission modification. NOTE: Some modifications are intended for off-road applications only. Students are encouraged to enroll in Automotive Laboratory concurrently. Prerequisite: Automotive Technology 55 (completed with a grade of "C" or higher). 3 hours lecture, 3 hours laboratory. Transfer: CSU Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

Change: New course

AUTO 99.75 2009 UPDATE COURSE 1 UNIT
 This course is for technicians who need to renew their smog license that expires January, 2009 or later and for technicians who will make initial application for a smog license in January, 2009 or later. This course will cover the latest in diagnostic and testing procedures on today's computerized vehicles. This course includes a lecture with written examination and hands on lab requirement. Passing both the written and lab examinations will allow renewal of a smog license. Industry Advisory: BAR issued Basic or Advanced Level (EB or EA) smog technician license or instructor approval. 1 hour lecture. Transfer: CSU
 Degree Applicable, Credit Grading Option: OP

Biology

Change: New degree

AA – Biology - Emphasis in Allied Health*

Freshman Year

Anatomy 1 (General Human Anatomy).....5
 Chemistry 30A (Introductory and Applied Chemistry I).....4
 Chemistry 30B (Introductory and Applied Chemistry II).....4
 General Education Courses

Sophomore Year

Microbiology 1 (Microbiology)5
 Physiology 1 (Human Physiology).....5
 General Education Courses
Total units required..... 60

* Pending approval by State Chancellor's Office

See also: Allied Health, Health, and Surgical Technology

Anatomy (ANAT)

Change: Prerequisite

ANAT 1 GENERAL HUMAN ANATOMY 5 UNITS
 Structure and function of the human body with emphasis on microscopic, gross, and developmental anatomy. Microscopic examination of normal and pathological tissues, and dissection, supplemented by use of charts, models, and computer assisted instruction. Prerequisite: Biology 31 (completed with a grade of "C" or higher). Strongly recommended: Eligibility for English 1A. 3 hours lecture, 6 hours laboratory. AA/AS GE. Transfer: CSU, UC*;
 CSU GE: B2 & B3; IGETC: Area 5B & Lab
 *Combined with BIOL 50 & PHSI 1: max credit, 2 courses
 Degree Applicable, Credit Grading Option: GR

Business (GENERAL)

Change: New career certificate — this is not transcribed

Career Certificate†

Bookkeeping

Business 61 (Introduction to Quickbooks Accounting)1.5
 Business 51A (General Accounting I).....3
 Business 51B (General Accounting II)3
 Business 55 (Business Mathematics).....3
 Computer Information Systems 54 (Excel: Introduction to Spreadsheets)4
 Computer Information Systems 88A (Introduction to Microsoft Word for Windows)1.5
Total Units Required 16

†This certificate is not transcribed. This group of courses provides industry-based professional development. Individual courses will appear on transcript. See a counselor for further information.

Change: Revision

Certificate of Achievement

Accounting Technician

Business 40 (Introduction to Business)..... 3
 Business 1A (Principles of Accounting I).....4
 Business 1B (Principles of Accounting II).....4
 Business 53 (Business Correspondence).....3
 Business 55 (Business Mathematics).....3
 Computer Information Systems 54 (Excel: Introduction to Spreadsheets)4
 Computer Information Systems 73A (Ten-Key Skill Development).....1
 Business 99 (Federal Income Tax)3
 Business 61 (Introduction to Quick Books Accounting).....1.5
Total units required..... 26.5

New/Revised Degrees, Certificates, Courses

L A S P O S I T A S C O L L E G E C A T A L O G A D D E D N E Z N D U M 2 0 0 8 - 2 0 1 0

Business (General)

Change: Revision; Identify Program Based GE

AS – Business

Freshman Year

Business 48 (Human Relations in the Workplace) or Business 52 (Business Communications).....	3
Business 40 (Introduction to Business).....	3
Business 55** (Business Mathematics)	3
Business 51A (General Accounting I) or Business 1A (Principles of Accounting I).....	3-4
Computer Information Systems 50 (Introduction to Computing and Information Technology)	3
Economics 10*** (General Economics) or Economics 1*** (Microeconomics)	3
Electives*	1-4
General Education Courses§	

Sophomore Year

Marketing 50 (Introduction to Marketing).....	3
Business 30*** (Business, Society and Ethics or Business 20 (International Business).....	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 55 (Integrating Office Applications)	4
Business 18 (Business Law).....	4
Business 53 (Business Correspondence) or Business 43 (Professional Communications).....	3-4
Business 95 (Business Work Experience)	1-3
Business 96 (Business Work Experience Seminar)	1
Electives*	1-4
General Education Courses§	

Total units required..... 60

§Program-based General Education requirement:
Speech 10 or Speech 11

*Electives

- Select from the following for a minimum of 1 unit:
- Business 60 (Consumer Finance and Ownership)
 - Computer Information Systems 54 (Excel: Introduction to Spreadsheets)
 - Computer Information Systems 71 (Computer Typing)
 - Computer Information Systems 72A (Data Management)
 - Computer Information Systems 72B (Spreadsheet Integration with Word Processing)
 - Computer Information Systems 75 (Office Technology/ Communications)
 - Business 56 (Introduction to Management)
 - Any Marketing Course (except Marketing 50)

** Meets Math; Communications/Analytical Thinking Requirements

***Meets Social and Behavioral Sciences requirement

Business (BUSN)

Change: New course

BUSN 61 INTRODUCTION TO QUICKBOOKS ACCOUNTING 1.5 UNITS
Introduction to the use of QuickBooks Accounting to process transactions related to both a service and merchandising company. Transactions include journalizing, posting, adjusting entries, closing entries and preparing financial statements. Specific topics include receivables, payables, inventory, plant assets and payroll. Strongly recommended: Business 1A or Business 51A. 1.5 hours lecture.
Transfer: CSU
Degree Applicable, Credit Grading Option: OP

Change: New course

BUSN 77 FINANCIAL AND INSURANCE PROCEDURES FOR MEDICAL OFFICES 3 UNITS
A comprehensive study of medical documentation, Insurance claims, coding, billing and collection strategies. Procedures and paperwork involving various insurance providers including Tricare, Medicare, Medi-claim, Workman's compensation, Disability Insurance, and private insurance carriers in inpatient and outpatient care. Privacy rules and regulation governed by HIPPA involving patient confidential information. 3 hours lecture. Transfer: CSU
Degree Applicable, Credit Grading Option: OP

See also: Allied Health

New/Revised Degrees, Certificates, Courses

Chemistry

Change: Revision; Identify Program Based GE AS – Chemistry (Transfer Preparation)

Freshman Year

Chemistry 1A** (General College Chemistry).....	5
Chemistry 1B (General College Chemistry).....	5
Math 1 (Analytical Geometry and Calculus I).....	5
Math 2 (Analytical Geometry and Calculus II).....	5
Physics 8A (General Physics I).....	5
Recommended Electives*	
General Education Courses§	

Sophomore Year

Chemistry 12A (Organic Chemistry).....	5
Chemistry 12B (Organic Chemistry).....	5
Math 3 (Analytical Geometry and Calculus III).....	5
Physics 8B (General Physics II) or	
Physics 8C (General Physics III)*	5
Recommended Electives*	
General Education Courses§	
§ Program-based General Education requirement (may be taken either freshman or sophomore year): Ecology 10 or Biology 31 or Computer Science 1	3, 4 or 5
Total units required.....	60

*Recommended Electives:

- Physics 8B (General Physics II) or Physics 8C (General Physics III)[†]
- Physics 8D (General Physics IV)
- Mathematics 5 (Differential Equations with Computer Applications)
- Mathematics 7 (Elementary Linear Algebra with Computer Applications)
- Computer Science 1 (Computing Fundamentals I)

[†]Physics 8B and Physics 8C may be used either to fulfill Program Core requirements or recommended electives, but may not be double-counted for both areas.

** Fulfills the Natural Science requirement for the AS degree.

To remain in a chemistry class a student must demonstrate competency in chemistry lab safety procedures by receiving a satisfactory score on the safety quiz administered during the NGR period.

Computer Information Systems (CIS)

Change: New course

CIS 46 GAME PROGRAMMING: 2D AND 3D 3 UNITS
 Want to Play? You have played plenty of games. Now it is time to create your own! Design, develop and test small 2D and 3D computer games using game development software tools such as Scratch, Alice, or similar programming development programs. This first programming course will provide the student with an understanding of the principles of game design, genre-specific design issues, storytelling, image manipulation, and development teams. Programming experience is not required to get started. Although this course has a programming focus, other topics briefly covered will include the history of computer/video game technology, game genres and design principles, and the social impact of games. Students may enroll in Computer Information Systems 46 and/or Computer Science 46 for a total of 2 times. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU (May be taken two times)
 Degree Applicable, Credit Grading Option: OP

Change: New course

CIS 62 PROJECT MANAGEMENT 3 UNITS
 Using the Project Management Institute's (PMI) Guide to the Project Management Body of Knowledge (PMBOK), learn the basic characteristics of projects and project management, with emphasis on the five PMBOK project process groups of initiating, planning, executing, controlling, and closing. Explore the nine knowledge areas of project integration, scope, time, cost, quality, human resources, communication, and risk and procurement management. This introductory course covers the terminology you will need to know, how all the project management processes are linked together, the key areas of expertise you need to know to manage projects successfully. Review objectives of industry certifications including: Project+, CAPM, PMP. This course focuses on developing and applying management and business skills in typical technical and business environments and provides an introduction to the field of project management. Strongly recommended: Computer Information Systems 60. 3 hours lecture. Transfer: CSU (May be taken two times)
 Degree Applicable, Credit Grading Option: OP

Change: New course

CIS 70 PROJECT MANAGEMENT TOOLS 2 UNITS
 Microsoft Project, Visio, and more. Hands-on overview of various types of project management software applications that help manage and track projects and tasks, visually draw network and process flow diagrams and create diagrams of relationships between ideas or other pieces of information. Software to include desktop and/or web-based versions of proprietary and/or open source software such as Microsoft Project/Open Workbench, Visio, Mind Mapping software. 1.5 hours lecture, 1.5 hours laboratory. Transfer: CSU (May be taken two times)
 Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

Change: New course

See also Allied Health

CIS 79 MEDICAL OFFICE PROCEDURES 3 UNITS
Medical office principles and procedures to include telecommunications, scheduling appointments, office equipment, medical documents and word processing, managing medical records, banking, payroll, expense reports, petty cash, billing, recordkeeping, postal services, health insurance, coding, and utilizing the Internet for online financial services and resources. The importance of medical ethics in application of professional office behavior. Overview of medical law and careers in medical office environment. Strongly recommended: CIS 8 and CIS 88A. 2 hours lecture, 3 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

Computer Networking Technology (CNT)

Change: New course

CNT 72.1 (7210) CCNP BOOTCAMP CERTIFICATION PREP 4 UNITS
This accelerated bootcamp course covers preparation for the CCNP—Cisco Certified Networking Professional exams. All Cisco certification exam objectives are covered conceptually, practically, and specifically as they relate to the exams. Effective troubleshooting and Cisco recommended methods and nomenclature are reviewed and practiced. Topics include: EIGRP, OSPF, IS-IS, and BGP Optimizing routing. IP multicast, IPv6, VLANs, Spanning Tree, InterVLAN routing, Layer 3 redundancy, Wireless LANs, VoIP in campus networks, Campus network security, Frame-mode MPLS, IPsec, Cisco device hardening, Cisco IOS® threat defenses, Cisco VoIP, QoS and AutoQoS, Wireless scalability. This course can be used to prepare for one or more of the following CCNP exams: 642-892 Composite BSCI BCMSN, 642-901 BSCI, 642-812 BCMSN, 642-825 ISCW, 642-845 ONT. Strongly recommended: Computer Networking Technology 62B or current CCNA certification or the equivalent industry experience. 3 hours lecture, 3 hours laboratory. Transfer: CSU (*May be taken two times*)
Degree Applicable, Credit Grading Option: OP

Computer Science (CS)

Change: New Course

CS 46 GAME PROGRAMMING: 2D AND 3D 3 UNITS
Want to Play? You have played plenty of games. Now it is time to create your own! Design, develop and test small 2D and 3D computer games using game development software tools such as Scratch, Alice, or similar programming development programs. This first programming course will provide the student with an understanding of the principles of game design, genre-specific design issues, storytelling, image manipulation, and development teams. Programming experience is not required to get started. Although this course has a programming focus, other topics briefly covered will include the history of computer/video game technology, game genres and design principles, and the social impact of games. Students may enroll in Computer Information Systems 46 and/or Computer Science 46 for a total of 2 times. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU (*May be taken two times*)
Degree Applicable, Credit Grading Option: OP

Creative Arts (CRAR)

Change: Course inactive, beginning Fall 2009

CRAR 10 PERFORMING AND VISUAL ARTS 3 UNITS

Design Technology (DSNT)

Change: Courses omitted from 2008-2010 Catalog.

For information, contact Dr. Neal Ely, 925.424.1182.

DSNT 51A TECHNICAL ILLUSTRATION I 3 UNITS
Development of skills and knowledge involved in constructing three-dimensional drawings. Shading techniques and rendering in black and white and pastels. Application and consideration of materials and equipment pertinent to technical illustration. Inking and lettering devices. Prerequisite: Drafting Technology 50 (completed with a grade of "C" or higher) or equivalent. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 51B TECHNICAL ILLUSTRATION II 3 UNITS
Development of skills and knowledge involved in axonometric projection. Applications and consideration of materials and equipment pertinent to technical illustration. Rendering conceptual drawings, specification of type styles and human factors. Prerequisite: Drafting Technology 51A (completed with a grade of "C" or higher). 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 52 TECHNICAL GRAPHICS 3 UNITS
A general approach to graphical communication and technical problem solving using sketches, traditional tools, and Computer-Aided Drafting (CAD). Introduction to the concepts and skills needed to graphically represent technical design data. Emphasis is on the development of visualization techniques and understanding design process as the foundation of the Design Technology sequence. 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 54 MANUFACTURING PROCESSES 2 UNITS
Overview of machine shop procedure, welding, and general manufacturing processes, practice in the use of hand tools, basic machine tools, and welding equipment; understanding the relationship between manufacturing processes and design. 1 hour lecture, 3 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 55 BLUE PRINT READING AND SKETCHING 2 UNITS
Orthographic projection (or equivalent), principles of sectioning, functional drawing practices, dimensioning; sketching, using orthographic and isometric principles; familiarity with specifications; reading of blueprints; interpretation of various symbols commonly used; interpretation of materials lists and bills of materials; making of takeoffs. 1 hour lecture, 3 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 57 ELECTRICAL SYSTEMS 2 UNITS
Introduction to electrical systems, components for electrical systems and circuits, basic electrical theorem, magnetism, and electrostatics for application to design process. Strongly recommended: Mathematics 36 or Mathematics 38. 1 hour lecture, 3 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

New/Revised Degrees, Certificates, Courses

DSNT 61 ELECTRONIC DESIGN 3 UNITS
Preparation of electrical and electronic drawings using standard graphical symbols and annotation currently utilized in industry, including wiring, cable, interconnecting, logic, and schematic diagrams. Introduction to printed circuit board layout and design using CAD and surface mounting technology. Prerequisite: Design Technology 62A (May be taken concurrently). 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 62A COMPUTER-AIDED DRAFTING (CAD) 3 UNITS
Introduction to the basic understanding of Computer-Aided Drafting, with emphasis on user terminology and exposure to various types of CAD systems, hardware, and associated software. How to set up drawings, create geometric shapes and constructions to form multiviews, and use special editing operations that increase productivity. Prerequisite: Design Technology 52 (May be taken concurrently). 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU (May be repeated 1 time)
Degree Applicable, Credit Grading Option: OP

DSNT 62B COMPUTER-AIDED DESIGN (CAD) 3 UNITS
Continuation of the knowledge and skills learned in Design Technology 62A, focusing on the design processes to complete and present drawings and accompanying documentation effectively using CAD; dimensioning, tolerancing, and crosshatching to facilitate creation of multiview layouts, managing symbol libraries to streamline pictorial assemblies, and plotting/presentation techniques to captivate. Prerequisite: Design Technology 62A (completed with a grade of "C" or higher). 1.5 hours lecture, 4.5 hours laboratory. (May be repeated 1 time)
Degree Applicable, Credit Grading Option: GR

DSNT 62C THREE-DIMENSIONAL MODELING 3 UNITS
This course develops skills in visualizing and drawing three-dimensional shapes for modeling, testing, analysis, manufacturing, assembly, and marketing, as well as form the basis of computer animations and virtual worlds. A variety of skills and techniques for drawing, designing, editing, and display of 3-D wireframes, surfaces, and solids will be studied. Prerequisite: Design Technology 62B (completed with a grade of "C" or higher). 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU (May be repeated 1 time)
Degree Applicable, Credit Grading Option: GR

DSNT 65 ELECTRONIC DESIGN DRAFTING 3 UNITS
Preparation of logic diagrams with the use of logic symbols. Introduction to printed circuit design. Analog and digital printed circuit layout and taping techniques. Printed circuit documentation and parts list. Strongly Recommended: Drafting Technology 61 (or equivalent) or Engineering 20 (or equivalent). 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 66A MECHANICAL DESIGN CONCEPTS 3 UNITS
Continued refinement of the principles of Mechanical Design Technology through original design and analysis, application of descriptive geometry, auxiliary views and revolutions to mechanical detail drawings, and geometric tolerancing applied to complete design assemblies. Prerequisite: Design Technology 52 (completed with a grade of "C" or higher). 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 66B ELECTRO-MECHANICAL DESIGN 3 UNITS
Continuation of mechanical design principles with the addition of electronic/electrical concepts. Part design with concentration on the flow and interaction between manufacturing and design, documentation, Revision; systems, Engineering change orders and requests, complex drawing and notation of entire systems.

Also includes résumé, portfolio, and interview preparation, career opportunities, skills and attitudes necessary to succeed in industry. Prerequisites: Design Technology 61 and 66A (both completed with a grade of "C" or higher). 1.5 hours lecture, 4.5 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 69 STRUCTURAL DESIGN CONCEPTS 4 UNITS
Introduction to technical statics, including resolution of forces and basic coplanar force systems. Emphasis on graphical analysis. Prerequisite: Mathematics 36 or Mathematics 38 (completed with a grade of "C" or higher). 3 hours lecture, 3 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 70 MANUFACTURING AND DESIGN USING PRO/ENGINEER 3 UNITS
Fundamentals of computer-aided design and drafting using Pro/ENGINEER software, a 3-D solid modeler. Application of operating system, software, hardware, and peripherals in creating manufacturing models. Prerequisite: Engineering 20 or Design Technology 52 (completed with a grade of "C" or higher) or equivalent. Strongly recommended: Design Technology 66A. 2 hours lecture, 3 hours laboratory. Transfer: CSU (May be repeated 2 times)
Degree Applicable, Credit Grading Option: GR

DSNT 71 ASSEMBLY AND DESIGN USING PRO/ENGINEER 3 UNITS
Continuation class in a series for developing fundamentals of computer-aided design using Pro/ENGINEER software, a 3-D solid modeler. Application of the Pro/ENGINEER CAD System in assembling manufacturing models and creating drawings. Prerequisite: Design Technology 70 (completed with a grade of "C" or higher). Strongly recommended: Design Technology 66B. 2 hours lecture, 3 hours laboratory. Transfer: CSU (May be repeated 2 times)
Degree Applicable, Credit Grading Option: GR

DSNT 75 DESIGN MATERIALS TECHNOLOGY 2 UNITS
Introduction to physical and mechanical characteristics and behavior of materials used in design and engineering applications. Emphasis will be on material processing of metals, ceramics, and polymers; basics of metallurgy, tension testing, hardness testing, and heat treatment. Strongly recommended: Chemistry 31. 1 hour lecture, 3 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

DSNT 76 GRAPHICAL KINEMATICS 2 UNITS
A study of elementary mechanisms with emphasis on the fundamentals of displacement, velocity and acceleration, and on the application of these to the analysis and design of mechanisms such as linkages, slides, cams, cranks, gears, and gear-trains. Strongly recommended: Engineering 20 or Design Technology 52 and Mathematics 36 or Mathematics 38. 1 hour lecture, 3 hours laboratory. Transfer: CSU
Degree Applicable, Credit Grading Option: GR

New/Revised Degrees, Certificates, Courses

Early Childhood Development

Change: Revision; new pattern options

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 54 (Child Health/Safety/Nutrition)...	3
Early Childhood Development 60 (Introduction to the Young Child with Exceptional Needs).....	3
Early Childhood Development 69 (Child Study through Observation)	3
Early Childhood Development 79 (Teaching in a Diverse Society)...	3
Early Childhood Development 90 (Supervised Experience).....	4
Early Childhood Development 95** (Work Experience)	1
Early Childhood Development 96*** (Work Experience Seminar) ...	1
Early Childhood Development 90	4
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 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 page 225 of 2008-10 Catalog for enrollment requirements

Change: Correction

AA – Early Childhood Intervention

Freshman Year

Early Childhood Development 50 (Early Childhood Principles and Practices)	3
Early Childhood Development 51 (Prenatal to Early Childhood).....	3
Early Childhood Development 53 (Child Health, Safety and Nutrition)	3
Early Childhood Development 62 (Child, Family and Community) ..	3
Early Childhood Development 63 (Early Childhood Curriculum)	4
General Education Courses	

Sophomore Year

Early Childhood Development 40 (Social and Emotional Foundations for Early Learning)	3
Early Childhood Development 60 (Introduction to the Young Child with Exceptional Needs).....	3
Early Childhood Development 67 (Infant and Toddler Development)	3
Early Childhood Development 90 (Supervised Experience).....	4
Early Childhood Development 91 (Adaptable Curriculum for Children with Exceptional Needs).....	3
General Education Courses	

Required in addition to the above:

Early Childhood Development 69 (Child Study Through Observation)	3
Early Childhood Development 79 (Teaching in a Diverse Society)...	3

Total units required..... 60

Suggested ECD Electives:

Early Childhood Development 83 (Adult Supervision).....	2
Early Childhood Development 95 (Work Experience).....	1-3
Early Childhood Development 95 (Work Experience Seminar)	1

Recommended General Education Courses:

- Psychology 4 (Brain, Mind, and Behavior)
- Psychology 15 (Problems of Childhood)

New/Revised Degrees, Certificates, Courses

Change: Revision; new pattern options

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 62 (Child, Family and Community) ..	3
Early Childhood Development 63 (Early Childhood Curriculum)	4
Early Childhood Development 60 (Child, Family, and Community) .	3
Choose one of the following:	
Early Childhood Development 40 (Social and Emotional Foundations for Early Learning) or	
Early Childhood Development 54 (Child Health/Safety/Nutrition) or	
Early Childhood Development 69 (Child Study through Observation) or	
Early Childhood Development 79 (Teaching in a Diverse Society).....	3
Early Childhood Development 95*** (Work Experience).....	1
Early Childhood Development 96*** (Work Experience Seminar) ...	1
Early Childhood Development 90 (Supervised Experience).....	4
Total units required.....	25

***See page 225 of 2008-10 Catalog for requirements.

Engineering (ENGR)

Change: Correction of prerequisite

ENGR 35 STATICS	3
Force systems under equilibrium condition, rigid body structures; vector; graphical and algebraic solution of problems. Prerequisite: Physics 8A and Mathematics 2 and Engineering 22 (all completed with a grade of "C" or higher). Transfer: CSU, UC	
Degree Applicable, Credit Grading Option: GR	

English (ENG)

Change: Course revision; prerequisite change; change of hours

ENG 1A CRITICAL READING AND COMPOSITION	3 UNITS
Integrated approach to reading, writing, and critical thinking intended to develop ability to read and write complex, college-level prose. Examination of ideas in relation to individual's world view and contexts from which these ideas arise. Some research required. Prerequisite: English 100B or 104 or 102 or ESL 25 or equivalent or an appropriate skill level demonstrated through the English assessment process. 3 hours lecture, 1 hour laboratory AA/AS GE. Transfer: CSU, UC; CSU GE: A2; IGETC: Area 1A. Degree Applicable, Credit Grading Option: GR	

Change: Course revision; new catalog description; change of units; change of hours; change of repeatability

ENG 19 LITERARY MAGAZINE	2-3 UNITS
Creation of a literary-style student magazine. Practical training in the managing, editing, formatting, and printing of a literary supplement and/or magazine. Enrollment constitutes the staff of the magazine. The number of laboratory units will be agreed upon and scheduled by instructor and student based on the student's job description and availability to participate. 1 hour lecture, 3 or 6 hours laboratory. Transfer: CSU (May be taken four times) Degree Applicable, Credit Grading Option: OP	

Change: Chabot course adoption for LPC

ENG 102 PRE-COLLEGIATE CRITICAL READING AND WRITING	4 UNITS
Emphasis in the development and integration of reading, critical thinking, and writing skills necessary for success in courses across the curriculum. Designed for those requiring one semester of preparation for entering English 1A with a minimum of one-on-one support. Pre-requisite: Appropriate skill level demonstrated through the English assessment process. 3 hours lecture, 3 hours laboratory	
Non-Degree Applicable, Credit Grading Option: P/NP	

New/Revised Degrees, Certificates, Courses

L A S P O S I T A S C O L L E G E C A T A L O G A D D E N D U M 2 0 0 8 - 2 0 1 0

Fire Service Technology

Change: Revision; Identify Program Based GE AS – Fire Service Technology

Freshman Year

Fire Service Technology 50* (Fire Protection Organization).....	3
Fire Service Technology 51* (Fire Service Operations)	3
Fire Service Technology 52* (Firefighter Safety and Public Education)	3
Fire Service Technology 53* (Fire Behavior and Combustion).....	3
Fire Service Technology 54 (Fire Prevention Technology)	3
Fire Service Technology 65* (First Responder Hazardous Materials/ Incident Command ICICS 200)	3
Fire Service Technology 86* (Wildland Firefighter I--Basic).....	3
Health 61* (First Responder/Emergency Response).....	2.5
Physical Education FSC* (Fire Service Conditioning and Physical Agility Development).....	1
General Education Courses [§]	

Sophomore Year

Fire Service Technology 55 (Fire Protection Equipment and Systems)	3
Fire Service Technology 56 (Fundamentals of Building Construction for Fire Protection).....	3
Health 81* (EMT I Basic)	6.5
Fire Service Technology 90A (Firefighter I Certification Preparation A).....	2
Fire Service Technology 90B (Firefighter I Certification Preparation B)	2
Fire Service Technology 90C (Firefighter I Certification Preparation C).....	2
General Education Courses [§]	
Total Units Required	60

§ Program-based General Education requirement:
Speech 1 (Fundamentals of Speech Communication)

*Required for entry into the Fire Service Technology 90A, 90B, and 90C courses (Fire Fighter I Certification Preparation)

Fire Service Technology (FST)

Change: Course revision; new title; new catalog description

FST 71A FIRE COMMAND 1A– COMMAND PRINCIPLES FOR COMPANY OFFICERS 2 UNITS

Provides for company officers with information and experience in command and control techniques, Instruction and simulation time pertaining to the initial decision and action processes at a working fire. Topics include the fire officer and their acts of commanding and authority of command, fire behavior, fire ground resources, operations, and management. Prerequisite: Fire Service Technology 65 (completed with a grade of C or higher) or ICS 200 "Basic ICS – Incident Command System" Certification from NIMS – FEMA, FSTEP or NWCG. This is a State of California Fire Marshal, State Fire Training, CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued upon successful completion of the course. The course satisfies one of the component requirements for the certification track of "Company Officer". 40 total hours for the course. Transfer: CSU Degree Applicable, Credit Grading Option: GR

Change: Course revision; new title; new catalog description

FST 71C FIRE COMMAND IC—I-ZONE FIRE FIGHTING FOR COMPANY OFFICERS 2 UNITS

Designed for Firefighters, Company Officers, and Chief Officers with limited wildland experience. This course is designed around the responsibilities of the Company Officer at a wildland/urban interface incident. It will bring the structural Company Officer out of the city and into the urban/interface, in other words, from his or her comfort zone into an area that could very well be quite unfamiliar. This is a State of California Fire Marshal, CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued by the California State Fire Marshal, State Fire Training upon successful completion of the course This course satisfies one of the course component requirements for the certification track of "Company Officer". This course also meets a component of certification required for CICCS recognition for "Strike Team Leader." 40 hours total. Transfer: CSU Degree Applicable, Credit Grading Option: GR

Change: Course revision; new title; new catalog description

FST 72 – FIRE MANAGEMENT 1 — MANAGEMENT/SUPERVISION FOR COMPANY OFFICERS 2 UNITS

Designed for Company Officers or for Firefighters preparing for the position of Company Officer. This course prepares or enhances the first line supervisor's ability to supervise subordinates. It introduces key management concepts and practices utilized by Company Officers, and includes discussions about decision making, time management, leadership styles, personnel evaluations, and counseling guidelines. This is a State of California Fire Marshal, State Fire Training, CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued by the California State Fire Marshal, State Fire Training upon successful completion of the course This course satisfies one of the course component requirements for the certification track of "Company Officer". This course also meets or exceeds all Level I and Level II NFPA 1021, "Standards for Fire Officer Professional Qualifications" that apply to management. 40 total hours. Transfer: CSU Degree Applicable, Credit Grading Option: GR

New/Revised Degrees, Certificates, Courses

Change: Course revision; new title; new catalog description

FST 75A FIRE INSTRUCTOR 1A—INSTRUCTIONAL TECHNIQUES, PART 1 2 UNITS
 Methods and techniques to help fire service personnel select, develop, and organize materials for in-service training programs. This is the first of a two-course series, designed for Company Officers and personnel preparing for a Training Officer Position. Topics include: Occupational Analysis, course outline, concepts of learning, levels of instruction, behavioral objectives, lesson-plan development, psychology of learning and instructor evaluation. Student teaching demonstrations are required of all. Prerequisite: Fire Service Technology 50 (completed with a grade of C or higher) or employment in the Fire Service. This is a State of California Fire Marshal, State Fire Training CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued upon successful completion of the course. The course satisfies one of the component requirements for the certification track of "Level I Fire Instructor" and one of the component requirements for the certification track of "Company Officer." 40 total lecture hours. Transfer: CSU Degree Applicable, Credit Grading Option: GR

Change: Course revision; new title; new catalog description

FST 75B FIRE INSTRUCTOR 1B—INSTRUCTIONAL TECHNIQUES, PART 2 2 UNITS
 Practice in the development, implementation, and evaluation of in-service training programs. This is the second in a two-course series that is designed for Company Officers and personnel preparing for a Training Officer position. Topics include: Preparing course outlines, establishing levels of instruction, constructing behavioral objectives and lesson plans, developing instructional aids, fundamentals of testing and measurements, test planning, evaluation techniques and tools. Student teaching demonstrations are required of all. Prerequisite: Fire Service Technology 75A – Fire Instructor 1A (completed with a grade of C or higher). This is a State of California Fire Marshal, State Fire Training CFSTES (California State Fire Service Training and Education System) course approved by the California State Fire Board. A certificate will be issued upon successful completion of the course. The course satisfies one of the component requirements for the certification track of "Level I Fire Instructor" and one of the component requirements for the certification track of "Company Officer." 40 total lecture hours. Transfer: CSU Degree Applicable, Credit Grading Option: GR

Change: Course revision; new title; new catalog description; change of units; prerequisite change

FST 86 WILDLAND FIREFIGHTER 1—BASIC 2 UNITS
 Provides a basic wildland firefighter course oriented towards entry level employment opportunities within agencies responsible for Wildland Fire Mitigation and Interface I-Zone Protection. Fundamentals of wildland fire control and techniques of controlling other emergency incidents are covered with a strong safety perspective. Factors affecting wildland fire behavior, weather and prevention, with an emphasis on organization and equipment usage. Provides S130, S131 and S190 equivalency under National Wildfire Coordinating Group (NWCG) and meets Cal Fire 67 Hour Wildland Firefighter 1 Basic certification requirements. Prerequisite: Fire Service Technology 50 (completed with a grade of "C" or higher). 2.5 hours lecture, 1.5 hours laboratory. Degree Applicable, Credit Grading Option: GR

Foreign Languages

Change: The following courses are inactive, beginning Fall 2009

French (FREN)

FREN 50A CONVERSATIONAL FRENCH 2 UNITS
 FREN 50B CONVERSATIONAL FRENCH 2 UNITS

Italian (ITLN)

ITLN 50A CONVERSATIONAL ITALIAN 2 UNITS
 ITLN 50B CONVERSATIONAL ITALIAN 2 UNITS

Spanish (SPAN)

SPAN 50A CONVERSATIONAL SPANISH 2 UNITS
 SPAN 50B CONVERSATIONAL SPANISH 2 UNITS

Health (HLTH)

Change: New course

HLTH 57 ALLIED HEALTH CAREER EXPLORATION 1.5 UNITS
 Introduction to Allied Health through an exploration of jobs and skills required for those jobs. This orientation to Allied Health is designed to promote self-awareness through career assessments and discussion and interpretation of interests. 1 hour lecture, 1.5 hours laboratory. Non-Degree Applicable, Credit Grading Option: OP

Humanities (HUMN)

Change: Course inactive, beginning Fall 2009

HUMN 1 PHILOSOPHY, THE SCIENCES, EPIC POETRY 3 UNITS

New/Revised Degrees, Certificates, Courses

Interior Design

Change: Correction

AS – Interior Design

Freshman Year

Interior Design 50 (Residential Space Planning)	3
Interior Design 52 (History of Interiors and Furnishings)	3
Interior Design 54 (Principles of Interior Design)	3
Interior Design 55 (Introduction to Textiles)	3
Art 10 (Design and Materials)	3
Art 11 (Design and Materials-Color)	3
General Education Courses [§]	

Sophomore Year

Interior Design 56 (Professional Practices)	3
Interior Design 58 (Fundamentals of Lighting)	3
Interior Design 60 (Materials and Resources)	3
Interior Design 62 (Kitchen and Bath Design)	3
Marketing 61 (Professional Selling)	3
General Education Courses [§]	

Total units required..... 60

[§]Program-based General Education 3 unit requirement.
See a counselor.

Change: Correction

Certificate of Achievement

Interior Design

Interior Design 50 (Residential Space Planning)	3
Interior Design 52 (History of Interiors and Furnishings)	3
Interior Design 54 (Principles of Interior Design)	3
Interior Design 55 (Introduction to Textiles)	3
Interior Design 56 (Professional Practices)	3
Interior Design 58 (Fundamentals of Lighting)	3
Interior Design 60 (Materials and Resources)	3
Art 10 (Design and Materials)	3
Art 11 (Design and Materials-Color)	3
Marketing 61 (Professional Selling)	3
Electives*	3
Total units required	33

*Electives

Select from the following for a minimum of 3 units:

- Interior Design 51
- Interior Design 61
- Interior Design 62
- Interior Design 64

New/Revised Degrees, Certificates, Courses

Liberal Arts and Sciences

Change: Revision

AA – Liberal Arts and Sciences

About the Program

The Associate in Liberal Arts and Sciences is designed for students who wish to have a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". This degree would be appropriate for students who plan on transferring to the California State University (CSU) or University of California (UC) as the student can satisfy their general education requirements, plus focus on transferable course work that relate to majors at these institutions. Please consult with a counselor for specific information regarding your intended major at the specific college or university of your choice.

Choose either option A or B or C for the General Education pattern related to your educational goal.

Complete 18 units in one "Area of Emphasis" from those outlined below.

[Note: Where appropriate, courses in the "area of emphasis" may also be counted for a General Education area. Courses that can be counted for LPC General Education are marked with an asterisk (*).]

For ALL OPTIONS: complete necessary Las Positas College Graduation and Proficiency requirements (see Las Positas Catalog).

All classes listed below transfer to CSU. Courses in BOLD also are transferable to UC. Refer to www.ASSIST.org for transfer details.

Associate in Arts Degree25 Units

This General Education pattern is designed for students who are not certain of their specific academic major goals and do not have immediate transfer plans. Students earn the Associate Degree by completing general education and an 18-unit area of academic focus. See page 45 in the Las Positas College catalog for details on General Education, Graduation and Proficiency Requirements.

CSU/GE39 Units

This general education pattern is designed for students planning to transfer to a California State University (CSU) who wish a broad knowledge of arts and sciences plus additional coursework in an area of academic interest. With proper planning, students will complete lower division degree preparation and general education for transfer while simultaneously completing the AA in Liberal Arts and Sciences. Please consult with a counselor for specific information regarding your intended major at the specific college or university of your choice.

Requirements

Minimum units necessary to meet CSU/GE Certification requirements (see pages 52-53 in the Las Positas College catalog)

Complete remaining Las Positas College General Education, Graduation, and Proficiency Requirements (see page 45 in the Las Positas College catalog)

IGETC:34 Units

This general education pattern is designed for students planning to transfer to a University of California (UC) or other baccalaureate-granting college or university who wish a broad knowledge of arts and sciences plus additional coursework in an area of academic interest. With proper planning, students will complete lower division degree preparation and general education for transfer while simultaneously completing the AA in Liberal Arts and Sciences. Please consult with a counselor for specific information regarding your intended major at the specific college or university of your choice.

Requirements

Minimum units necessary to meet IGETC Certification requirements (see page 51 in the 2008-2010 Las Positas College Catalog)

Complete remaining Las Positas College General Education, Graduation, and Proficiency Requirements (see page 45 in the 2008-2010 Las Positas College Catalog)

New/Revised Degrees, Certificates, Courses

Areas of Emphasis

- 18 units required from one Area of Emphasis listed below
- Courses selected can be used to also fulfill GE areas
- All courses following transfer to CSU
- Courses in BOLD also transfer to UC

Electives

Electives may be necessary to total the 60 units required for the Associate Degree.

AREAS OF EMPHASIS

1. BUSINESS

*Minimum 18 units required;
Minimum three units from both disciplines*

These courses emphasize the integration of theory and practice within the field of business. Students will develop the ability to effectively manage and lead organizations. Students will demonstrate an understanding of the place of business within the global economy. Students will critically apply ethical standards to business practices and decisions. With this degree, students will be prepared to pursue a baccalaureate major or immediately begin a dynamic career in the rewarding and growing fields of marketing, management, business administration and accounting.

BUSINESS: 1A, 1B, 18, 20, 30*, 40, 43, 48, 51A, 51B, 52*, 53, 55*, 56, 58, 60, 75.1, 75.2, 75.3, 75.4, 75.5, 75.6, 76, 81, 84, 85, 88, 95, 96

MARKETING: 50, 60, 61, 63, 64

2. COMPUTER STUDIES

*Minimum 18 units required;
Minimum three units from each of the three disciplines*

These courses emphasize the integration of theory and practice within the field of computer applications, computer networking, and computer science. Students will develop the ability to effectively use computer applications, manage and maintain networks, and develop software applications. Students will demonstrate an understanding of the place of technology within the global economy. Students will critically evaluate the impact of technology on the workplace, on their lives, and on society as a whole.

Career opportunities include but are not limited to: administrative assistant, computer programmer, computer technician, customer service representative, database administrator, help desk specialist, network administrator, receptionist, technical support specialist, and web site designer/webmaster. Students will be prepared to pursue a baccalaureate major in Information Technology, Management Information Systems, Computer Engineering, Networking and Data Communications, and Software Engineering.

COMPUTER INFORMATION SYSTEMS: 8, 43, 48, 50*, 54, 55, 55B, 57, 59AB, 60, 65, 66, 68, 69, 72A, 72B, 77, 78, 79, 80*, 88A, 88B, 89A, 89B, 95, 96

COMPUTER SCIENCE: 1*, 2, 7, 20, 21, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 47, 48, 95, 96

COMPUTER NETWORKING TECHNOLOGY: 43, 50, 51AB, 52, 54, 55, 56, 57, 62AB, 63, 64, 65, 66, 67, 68, 69, 70, 72, 73.1, 73.2, 74.1, 75.1, 75.2, 77.1, 95, 96

3. HUMANITIES

Minimum 18 units required

*Minimum six units from the Arts and six units from Humanities
Maximum three units of credit for studio/performance courses*

These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

Career opportunities include, but are not limited to: design consultant, graphics designer, interior decorator, interpreter/translator, layout editor, teachers aide, photographer, set construction worker, theatre set designer, travel guide, and web site designer. Majors at a 4-year institution appropriate for this Area of Emphasis include but are not limited to: Classical Civilization, Design, Dramatic Arts, Film Studies, Literature, Music, and Philosophy.

ART

ART: 1*, 2A*, 2B, 3A*, 3B, 3C, 3D, 4*, 5*, 7A, 7B, 7C, 7D, 10*, 11, 12A, 12B, 12C, 12D, 13A, 13B, 13C, 13D

CREATIVE ARTS: 10*

FOREIGN LANGUAGE:

FRENCH 1A*, 1B*, 2A*, 2B*, **ITALIAN** 1A*, 1B*,
SPANISH 1A*, 1B*, 2A*, 2B*

MUSIC 1*, 2*, 4*, 5*, 6, 8A, 8B, 10A, 10B, 12*, 14*, 15, 16, 20, 21A, 21B, 23A, 23B, 25, 26, 27, 28, 30, 31, 33, 38, 39, 40, 42, 43*, 44*, 45, 46A*, 46B*, 47

THEATER ARTS 1A*, 1B*, 3*, 4*, 5, 10*, 11, 12*, 14, 25*, 30, 39, 40, 41, 46, 47*, 48*

VISUAL COMMUNICATIONS 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 63IN, 64, 65, 65IN

PHOTOGRAPHY 50, 51, 52, 56, 58, 60, 64A, 66, 67*, 68, 72

HUMANITIES

HUMANITIES: 1*, 3*, 7*, 10*, 28*, 35*, 40*, 44*

HISTORY: 1*, 2*

LIBRARY STUDIES 4, 5, 6, 7 (unit limitations apply to UC Transfer)

PHILOSOPHY 1*, 2*, 3*, 4*, 5*, 7*, 25*

RELIGIOUS STUDIES 1*, 2*, 3*, 11*

New/Revised Degrees, Certificates, Courses

4. LANGUAGE ARTS

Minimum 18 units required

Minimum three units from at least two disciplines listed below

These courses emphasize the content of communication as well as the form and should provide an understanding of the psychological basis and social significance of communication. Students will be able to assess communication as the process of human symbolic interaction. Students will also develop skills in the areas of reasoning and advocacy, organization, reading and listening effectively.

Students will be able to integrate important concepts of critical thinking as related to the development of analytical and critical evaluation, being able to reason inductively and deductively, enabling them to make important decisions regarding their own lives and society at large.

Career opportunities include, but are not limited to: announcer, assistant copywriter, communications specialist, copy writer, human resources specialist, journalist, lobbyist, sales representative, teacher, and teacher's aide. Majors at a 4-year institution appropriate for this Area of Emphasis include, but are not limited to: English, Journalism, Linguistics, Mass Communication, Rhetoric, and Speech.

AMERICAN SIGN LANGUAGE 1A*, 1B*, 2A*, 2B

ENGLISH 1A*, 3*, 4*, 7*, 11*, 12*, 13*, 19, 20*, 43, 44*, 45*

ENGLISH AS A SECOND LANGUAGE 23, 24, 25*, 26

MASS COMMUNICATIONS 1*, 2, 3, 5*, 15, 15L, 16, 31, 32*, 32B, 33A, 33B, 34, 35, 72

SPEECH 1*, 2A*, 2B*, 3, 5, 43, 46*, 48

5. MATHEMATICS AND SCIENCE

Minimum 18 units required

Minimum six units from Science and six units from Mathematics

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.

Career opportunities include, but are not limited to: entry-level technician for biological, chemical, biotech, or pharmaceutical companies, data analyst, teacher's aide, and tutor. Majors at a 4-year institution appropriate for this area of emphasis include, but are not limited to: Animal Science, Biology, Engineering, Geology, Nursing, and Physics.

SCIENCE

ANATOMY 1*

ASTRONOMY 1*, 10*, 20*, 30*, 40

BIOLOGY 1*, 5*, 10*, 20*, 31*, 40, 50*

BOTANY 1*

CHEMISTRY 1A*, 1B, 12A, 12B, 30A*, 30B, 31*

ECOLOGY 10*

GEOGRAPHY 1*, 1L*, 8*, 1*5

GEOLOGY 1*, 1L*, 3*, 3L*, 12*, 12L*

MICROBIOLOGY 1*

PHYSICS 2A*, 2B, 8A*, 8B, 8C, 8D, 10*, 10L*

PHYSIOLOGY 1*

ZOOLOGY 1*

MATHEMATICS

MATHEMATICS 1*, 2*, 3, 5, 7, 10, 20*, 33*, 34*, 38*, 41*, 42A*, 42B, 44*, 45*

6. SOCIAL SCIENCE

Minimum 18 units required

Minimum of three units from three different disciplines

These courses emphasize the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

Degrees in Social Science can lead to career opportunities in law enforcement, human services, education, non-profit organizations, and business. Majors at a 4-year institution appropriate for this area of emphasis include, but are not limited to: Administration of Justice, Anthropology, Child Development, Government, History, Psychology, and Social Work.

ADMINISTRATION OF JUSTICE 50, 51, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 69, 70, 71, 72, 73, 74, 75, 76, 77, 79, 81, 82, 84, 86, 89, 99.97

ANTHROPOLOGY 1*, 1L*, 2*, 3*, 5*, 12*, 13*

EARLY CHILDHOOD EDUCATION 40, 51*, 52, 60, 62, 79

ECONOMICS 1*, 2*, 5*, 10*

GEOGRAPHY 2*, 5*, 12*

GENERAL STUDIES 25, 25L

HISTORY 7*, 8*, 14*, 25*, 28*, 32*

POLITICAL SCIENCE 7*, 12, 20*, 25*, 30*, 45

PSYCHOLOGY 1*, 2*, 3*, 4*, 6, 10, 12, 15*, 16, 20*, 24

PSYCHOLOGY-COUNSELING 3*, 5, 6, 7, 8*, 13*

SOCIOLOGY 1*, 3*, 4*, 5*, 6, 7, 11*

New/Revised Degrees, Certificates, Courses

Library Studies (LIBR)

Change: Course revision; new catalog description

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 is 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 magazine, journal, and newspaper databases. 9 hours total lecture. Transfer: CSU, UC*; *LIBR 4, 5, 7, & 8 combined, max credit, 1 course
Degree Applicable, Credit Grading Option: OP

Change: New course

LIBR 8 INTRODUCTION TO LIBRARY RESEARCH AND INFORMATION LITERACY SKILLS 2 UNITS

Introduction to research techniques using college library resources. Teaches the skills needed to successfully find, evaluate, and document information in print, electronic, and Internet formats. Covers plagiarism, the ethical and legal aspects of information use, and the critical thinking skills necessary for successful college research. 2 hours lecture. Transfer: CSU, UC*; *LIBR 4, 5, 7, & 8 combined, max credit, 1 course
Degree Applicable, Credit Grading Option: OP

Mathematics (MATH)

Change: Course revision; new catalog description

MATH 20 PRE-CALCULUS MATHEMATICS 5 UNITS

Rational and polynomial functions with emphasis on logical development and graphing. Solution of polynomial equations and inequalities, graphing conic sections, mathematical induction, binomial theorem; strengthening of skills in working with exponential, logarithmic, and trigonometric functions, equations, graphs, and applications. Prerequisite: Mathematics 36, 36Y or Mathematics 38 (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. AA/AS GE. Transfer: CSU, UC*; CSU GE: B4; IGETC: Area 2; *MATH 20 & 45 combined, max credit, 1 course
Degree Applicable, Credit Grading Option: GR

Change: Course revision; new catalog description

MATH 55 INTERMEDIATE ALGEBRA 5 UNITS

Intermediate algebra concepts, including: An introduction to functions; linear and absolute value functions; absolute value equations and inequalities; compound linear inequalities; systems of linear equations in three variables and matrix solutions; rational expressions, functions and equations; radical expressions, functions and equations; rational exponents; complex numbers; quadratic functions and equations; inverse of a function; exponential and logarithmic functions; properties of logarithms; exponential and logarithmic equations; conic sections; and systems of non-linear equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. Prerequisite: Math 65 or 65B or 65Y (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics assessment process. May not receive credit if Mathematics 55B or 55Y have been completed. 5 lecture hours, 1 laboratory hour.

Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of units; change of hours

MATH 55A INTERMEDIATE ALGEBRA A 2.5 UNITS

Concepts covered in the first half of Mathematics 55 Intermediate Algebra, including: An introduction to functions; linear and absolute value functions; absolute value equations and inequalities; compound linear inequalities; rational expressions, functions and equations; radical expressions, functions and equations; rational exponents; and complex numbers. Multiple representations, applications and modeling with functions are emphasized throughout. Prerequisite: Math 65 or 65B or 65Y (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics assessment process. May not receive credit if Mathematics 55 or 55X have been completed. 2.5 lecture hours, 0-1 laboratory hour.

Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of units, change of hours

MATH 55B INTERMEDIATE ALGEBRA B 2.5 UNITS

Concepts covered in the second half of Mathematics 55 Intermediate Algebra, including: systems of linear equations in three variables and matrix solutions; inverse of a function; exponential and logarithmic functions; properties of logarithms; exponential and logarithmic equations; conic sections; systems on non-linear equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. Prerequisite: Math 55A or 55X (completed with a grade of "C" or higher). May not receive credit if Mathematics 55 or 55Y have been completed. 2.5 lecture hours, 0-1 laboratory hour.

Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of units; change of hours

MATH 65 ELEMENTARY ALGEBRA 5 UNITS

Elementary algebra concepts, including: real numbers and their properties; algebraic expressions; integer exponents; operations with polynomial expressions; linear and quadratic equations; linear inequalities and set notation; graphs of linear equations and inequalities; slope; systems of linear equations and inequalities; and, an introduction to rational expressions and modeling with linear and quadratic equations. Prerequisite: Mathematics 106 or 107 or 107Y (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics assessment process. May not receive credit if Mathematics 65B or 65Y have been completed. 5 lecture hours, 1 laboratory hour.

Non-Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of units; change of hours

MATH 65A ELEMENTARY ALGEBRA A 2.5 UNITS

Concepts covered in the first half of Mathematics 65 Elementary Algebra, including: real numbers and their properties; algebraic expressions; linear equations; linear inequalities and set notation; graphs of linear equations and inequalities in two variables; slope; systems of linear equations and inequalities; and, an introduction to modeling with linear equations. This course is designed for those with no previous algebra background. Prerequisite: Mathematics 106 or 107 or 107Y (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics assessment process. May not receive credit if Mathematics 65 or

New/Revised Degrees, Certificates, Courses

65X have been completed. 2.5 lecture hours, 0-1 laboratory hour.
Non-Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of units; change of hours

MATH 65B ELEMENTARY ALGEBRA B 2.5 UNITS
Concepts covered in the second half of Mathematics 65 Elementary Algebra, including: integer exponents; operations with polynomial expressions; factoring techniques; quadratic equations and modeling with quadratic equations; and an introduction to rational expressions. Prerequisite: Mathematics 65A or 65X (completed with a grade of "C" or higher). May not receive credit if Mathematics 65 or 65Y have been completed. 2.5 lecture hours, 0-1 laboratory hour.

Non-Degree Applicable, Credit Grading Option: OP

Mass Communications (MSCM)

Change: New course

MSCM 7 INTRODUCTION TO PUBLIC RELATIONS 3 UNITS
Introduction to the principles, evolution, and professional practice of public relations. Concepts of planning and executing effective communication strategies, including message design and distribution, for all types of organizations. Strongly recommended: Eligibility for English 1A. 3 hours lecture. Transfer: CSU
Degree Applicable, Credit Grading Option: OP

Philosophy (PHIL)

Change: Courses inactive, beginning Fall 2009

PHIL 7 CONTEMPORARY PROBLEMS 0.5-2 UNITS
PHIL 25 INTRO TO POLITICAL AND SOCIAL PHILOSOPHY 3 UNITS

Physical Edcation (PE)

Change: New course

PE AAQE ADAPTED AQUATIC EXERCISE 0.5-2 UNITS
This class is an opportunity for students with disabilities to improve muscle strength and endurance through exercises done in shallow water. The pool allows minimal joint stress while doing range of motion and strengthening exercises. This class is designed for students with limitations that are directly related to their verified physical or mental disabilities. Exercises will be adapted to the individual's needs and disability. Students must have a current clearance from their doctor to participate in this class. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU; CSU GE: Area E. (May be taken four times) (Students with verified disability may petition to take this course for credit beyond the four times stated)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE AQA AQUA AEROBICS 0.5-2 UNITS
Student will participate in a variety of upright exercises in the shallow and deep water of a pool. Water specific movements, which take advantage of the unique characteristics of water, will help students improve cardio-respiratory endurance, muscle endurance/strength, flexibility and body composition, while minimizing impact on the body. Students need not be swimmers to participate in this class; however students must feel comfortable in the water. 27-105

laboratory hours in the semester. (May be taken four times)
AA/AS GE. Transfer: CSU; CSU GE: Area E Degree Applicable, Credit Grading Option: OP

Change: New course

PE AQJD AQUA JOGGING-DEEP WATER 0.5-2 UNITS
Students will participate in a conditioning program in the deep water of a pool. A variety of low impact movements, centered on jogging, will be performed while utilizing an Aqua Jogger buoyancy belt. Students will improve cardio-respiratory endurance, muscle endurance/strength and flexibility. Students must feel comfortable in the water. 27-108 hours laboratory per semester. (May be taken four times) AA/AS GE. Transfer: CSU; CSU GE: Area E Degree Applicable, Credit Grading Option: OP

Change: New course

PE AWT ADAPTED WEIGHT TRAINING 0.5-2 UNITS
An opportunity for students with disabilities to improve muscle strength and endurance through the correct application of sound training principles. This class is designed for students with limitations that are directly related to their verified physical or mental disability. Students must have a current clearance from their doctor to participate in this class. An individual exercise program will be developed by the instructor and student to meet the student's goals. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE BKL BASKETBALL LEAGUE 0.5-2 UNITS
This multi-level course is designed to provide the student with an opportunity to develop the basic skills and understanding of basketball. Skills such as dribbling, passing, shooting, defensive and offensive strategies will be presented and practiced in a team setting. Team play and sportsmanship are important priorities that are emphasized in this class. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity course. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE BKP BASKETBALL ADVANCED PLAY 0.5-2 UNITS
This course is designed to provide the student with an opportunity to develop the skills and understanding of basketball at the advanced level. Skills such as dribbling, passing, shooting, defensive and offensive strategies will be presented and practiced. Team play and sportsmanship are important priorities that are emphasized in this class. Strongly recommended: PE BK - Basketball. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity course. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE CL CHEERLEADING 0.5-2 UNITS
A combination of motions, cheers, chants, basic stunts, dance moves and routines designed to increase individual athletic ability and provide an opportunity for participation in a team activity Includes cardio-respiratory endurance and tones major muscle groups to increase level of fitness. 27-108 laboratory hours. AA/AS GE. Transfer: CSU; CSU GE: Area E (May be taken four times)
Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

Change: New course

PE CP CARDIO POWER 0.5-2 UNITS
A group exercise class that uses various formats including Step, Interval, Hi/Low aerobics, Circuit, and Boot Camp to improve all components of fitness (cardiovascular endurance, muscular strength and endurance, flexibility and body composition). 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE CSVB COURT SPORTS VOLLEYBALL BASKETBALL 0.5-2 UNITS
This course is designed to provide students an opportunity to practice those skills which are acceptable under current rules and interpretations in the games of volleyball and badminton. An equal number of hours and/ or class sessions will be dedicated to the introduction of the rules, basic skills, and the offensive/defensive strategies involved with the selected court sports of volleyball and badminton. 1.5 to 6 hours. AA/AS GE. Transfer: CSU; CSU GE: Area E (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE DBS DANCE AEROBICS/BODY SCULPTING 0.5-2 UNITS
A combination of energizing aerobic dance and specific resistance training. Improves cardio-respiratory endurance and tones major muscle groups. 27 – 108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE DT DANCE TECHNIQUES 0.5-2 UNITS
Dance warm-up exercises followed by combinations including elements of jazz, ballet, and modern dance forms. 27 – 108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE FFL FIT FOR LIFE--FIFTY PLUS 0.5-2 UNITS
Using elements of dance, low-impact aerobics, and exercises for strength and flexibility, this course is designed to increase and maintain stamina and the overall fitness level in the mature adult. This course is designed for beginning students with emphasis placed on stretches and self-help exercises such as warm-up and cool down for aerobics and strengthening. 27 – 108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE FSC FIRE SERVICE CONDITIONING AND PHYSICAL AGILITY DEVELOPMENT 1 UNIT
Introduction to the components of physical fitness development and conditioning, with emphasis on preparing students for the physical agility performance and testing standards required of "Emergency First Responder" Candidates entering into Police or Fire Academies. Instruction on proper warm-up and stretching

techniques, how to develop and maintain the components of fitness through increased muscular strength and muscular endurance, cardiovascular endurance and recovery, and increased flexibility and balance. Introduction to Circuit Training; skills instruction on various testing parameters of the Nationally approved and recognized Certified Physical Agility Test (CPAT); instruction on various "Tools of the Trade" (i.e., Ladders, Fire Hose, Self Contained Breathing Apparatus (SCBA) for developing proper skills in handling, lifting and carrying techniques as well as developing cardio-respiratory control and aerobic conditioning while wearing a SCBA under conditions of physical exertion. 3 hours laboratory per week or 54 hours laboratory per semester. AA/AS GE. Transfer CSU; CSU GE: Area E (May be taken four times)
Degree Applicable, Credit Grading Option: GR

Change: New course

PE GBW GUTS AND BUTTS WORKOUT 0.5-2 UNITS
Reduce, shape, tone and strengthen the abdominal region, the buttocks and thighs through a series of exercises. This course will focus on improving muscle strength and endurance for the abdominals, gluteals, quadriceps, and hamstrings. Emphasis will be on functional development of muscle strength and endurance and core stability. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE GF GOLF 0.5-2 UNITS
Introduction to the skills of golf at the local driving range with the optional choice to complete a local 9-hole executive course as well as an 18-hole course of their choosing. Course is designed for the beginner, although intermediate and advanced players are welcome and encouraged to enroll. Emphasis is on rules, etiquette, safety, skills, course management, and strategies for club selection. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE ID INTRODUCTION TO DANCE 0.5-2 UNITS
Introduction to the distinct movements and techniques characteristic of ballet, modern dance, and jazz dance. 27 – 108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE LDF LINE DANCE FITNESS 0.5-2 UNITS
Fitness through line dancing to promote and maintain physical fitness. A variety of dances focus on rhythm, timing, choreography and coordination to improve muscle tone, strength and endurance. No partner required. 27 – 108 hours laboratory per semester AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

L A S P O S I T A S C O L L E G E C A T A L O G A D D E N D U M 2 0 0 8 - 2 0 1 0

New/Revised Degrees, Certificates, Courses

Change: New course

PE LDFI LINE DANCE FITNESS—INTERMEDIATE 0.5-2 UNITS
Intermediate level line dances that focus on rhythm, timing, balance and coordination to improve muscle tone, strength and endurance. Line dance styling and technique to promote and maintain physical fitness. No partner required. Strongly recommended: PE LDF Line Dance Fitness. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE PM PILATES MATWORK 0.5-2 UNITS
Introduction to the guiding principles of Pilates. Students will be presented instruction on how to implement the guiding principles of Pilates to increase core strength, flexibility and balance. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE QYI YOGA FOR FIFTY-PLUS--INTERMEDIATE 0.5-2 UNITS
This course is designed to further the student's knowledge of yoga. Included in this course is a continued discussion of the philosophy of Yoga, increased practice of Pranayama (breathing techniques) and meditation, and a variety of appropriate Asana (Yoga poses). Through continued practice of these techniques the student will continue to increase strength, flexibility, balance and introspection, as well as gain insight into personal strengths and challenges. Strongly recommended: PE YO Yoga or PE QYO Yoga for Fifty Plus. 27 -108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE QYO YOGA FOR FIFTY PLUS 0.5-2 UNITS
This course is designed to present to the student a selection of exercises that will promote strength, flexibility, balance, and coordination in a calm and quiet atmosphere. Through continual practice of these exercises, the student will gain insight into personal strengths and weaknesses, will become aware of improved breathing patterns and methods of relaxation. 27 - 108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE RC ROCK CLIMBING 0.5-2 UNITS
Introduction to the components of rock climbing based on the principles of the Climbing Gym Association. Students will be presented instruction on how to maintain and develop the components of fitness: muscular strength, muscular endurance, cardiovascular endurance, flexibility and balance through rock climbing. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE SC SOCCER - OUTDOOR 0.5-2 UNITS
Students will practice the skills of kicking, passing, trapping and heading necessary for controlled outdoor soccer play; discuss and employ basic offensive and defensive strategies and tactics; put into practice the rules governing outdoor soccer play. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE SS SKI/SNOWBOARD CONDITIONING 0.5-2 UNITS
Introduction to the conditioning and development of fitness specifically geared to individuals preparing for skiing, snow boarding, cross country skiing, and other snow related activities. 27 - 108 laboratory hours per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses
Degree Applicable, Credit Grading Option: OP

Change: New course

PE SWB SWIMMING—BEGINNING 0.5-2 UNITS
An introductory course designed to teach fundamental swimming skills. Emphasis will be on developing proper swimming techniques, including non-competitive and competitive swim strokes (freestyle, side-stroke, backstroke, breaststroke, and butterfly). Students will also learn aquatics safety methods and the fundamentals of starts and turns. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU; CSU GE: Area E (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New change

PE SWF SWIMMING FOR FITNESS 0.5-2 UNITS
This course is designed to enable students to develop a high level of cardiovascular fitness. The student will utilize a variety of strokes to increase strength and fitness. Emphasis will be on developing proper swimming techniques, including non-competitive and competitive swim strokes (freestyle, backstroke, breaststroke, and butterfly). 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU; CSU GE: Area E (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PE TT TABLE TENNIS 0.5-2 UNITS
Introduction to the skills of table tennis. Course is designed for the beginner, although intermediate and advanced players are welcome and encouraged to enroll. Emphasis is on rules, etiquette, safety, skills, paddle selection, equipment maintenance, and strategies for service, service return, and volley play. An important aim of the class will be to create and promote interest in table tennis as a leisure time activity. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

L A S P O S I T A S C O L L E G E C A T A L O G A D D E N D U M 2 0 0 8 - 2 0 1 0

Change: New course

PE TTT TABLE TENNIS TOURNAMENT 0.5-2 UNITS
Course is designed for the intermediate and advanced players with emphasis on Offensive and Defensive strategies for tournament play. Rules, etiquette, safety, skills, paddle selection, equipment maintenance, and strategies for service, service return, and volley play will be reviewed. An important aim of the class will be to create and promote interest in table tennis as a competitive activity. 27-108 hours laboratory per semester. AA/AS GE. Transfer: CSU, UC*; CSU GE: Area E; *Max credit, 4 transfer units of PE activity courses. (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Photography (PHOT)

Change: Course revision; new catalog description; prerequisite change; change of repeatability

PHOT 51 INDIVIDUAL PROJECTS 1 UNIT
Individual projects in digital or film-based photography at the intermediate to advanced level. Development of knowledge and skills acquired in previous or current photography work with emphasis on current projects. Strongly recommended: Photography 50 or 56. 4 hours laboratory. Transfer: CSU (May be taken three times)
Degree Applicable, Credit Grading Option: OP

Change: Unit change; hours change

PHOT 56 INTRODUCTION TO DIGITAL PHOTOGRAPHY 1.5 UNITS
Basics for the beginner's use of digital cameras, film and flatbed scanners; use of Adobe software for image adjustments. Exploration of digital photography compared with traditional photographic approaches and processes. Operation of Adobe digital imaging software for preparation of web site photos and print output, in both black and white and in color. 1 hours lecture. 2 hours laboratory. Transfer: CSU (May be taken two times)
Degree Applicable, Credit Grading Option: OP

Change: New course

PHOT 57 INTERMEDIATE DIGITAL PHOTOGRAPHY 1.5 UNITS
Digital photography; intermediate and advanced digital image capture assignments, camera use and digital manipulation using software such as Adobe Photoshop. Preparation of image files for display printing and use on the Web. Strongly recommended PHOT 56 or camera/photography and Macintosh computer experience. 1 hour lecture, 2 hours laboratory. Transfer: CSU (May be taken two times)
Degree Applicable, Credit Grading Option: OP

Change: Prerequisite change; change of repeatability

PHOT 64A ARTIFICIAL LIGHT PHOTOGRAPHY 3 UNITS
Photography using light sources selected and manipulated by the photographer. Use of light sources in a controlled situation to achieve technically accurate renditions of subject matter and to make successful visual statements. Lighting techniques for product, still life and portrait photography. Strongly Recommended: Photography 50 or 56. 2 hours lecture, 4 hours studio/laboratory. (Course may only be taken one time for credit) Transfer: CSU
Degree Applicable, Credit Grading Option: OP

Change: New course

PHOT 69 INTERMEDIATE VIDEOGRAPHY 2 UNITS
Intermediate level digital video production to integrate and build upon prior video making skills. Emphasis is on creative expression, improving all production values and edited quality of finished presentation. Distribution of quality video piece to festivals and the web. Class is taught on the Macintosh computer platform. Strongly recommended Photography 58. 1 hour lecture. 4 hours laboratory. Transfer: CSU (May be taken two times)
Degree Applicable, Credit Grading Option: OP

Physics (PHYS)

Change: Prerequisite change

PHYS 10L DESCRIPTIVE PHYSICS LABORATORY 1 UNITS
Introduction to laboratory principles and techniques with emphasis on the basic concepts of physics such as mechanics, thermodynamics, energy, electricity, magnetism, and optics. Prerequisite: Physics 10 (may be taken concurrently). Strongly recommended: Math 107. 3 hours laboratory. AA/AS GE. Transfer: CSU, UC*; CSU GE: B3; IGETC: Area 5A Lab; *No credit for PHYS 10/10L if taken after PHYS 2A or 8A. (May be taken four times)
Degree Applicable, Credit Grading Option: GR

Psychology/Counseling (PSCN)

Change: Course revision; new title; new catalog description

PSCN 3 THEORIES AND CONCEPTS OF COUNSELING: AN INTRODUCTION 3 UNIT
This is an introductory course to the theories and concepts, as well as the historical foundations of counseling with an emphasis on fundamental principles of the therapeutic process. There will be a major focus on multicultural principles and major diagnostic categories, problems, and solutions relating to recovery in counseling. Ethics in counseling, as well as legal implications will also be introduced and examined. 3 hours lecture. AA/AS GE. Transfer: CSU; CSU GE: D7 or D9
Degree Applicable, Credit Grading Option: OP

Change: New course

PSCN 8 THEORIES AND CONCEPTS OF GROUP PROCESS 3 UNITS.
Concepts and theories of group process for effective functioning in interpersonal and group settings, including mindful listening, interviewing, group interaction and facilitation, decision-making, and conflict resolution. Comparative and integrative approaches to five ethnic groups will be emphasized: African-Americans, Asian-Americans, European-Americans, Latino-Americans, and American Indians. Focus on improving the individual's understanding of group dynamics in human services settings, relating across differences of race, gender, ethnicity, sexual orientation, and social class. 3 hours lecture. Transfer: CSU
Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

Surgical Technology

CHANGE: New degree

AS - Surgical Technology

Freshman Year

Health 55 (Orientation to Health Care)	2
Biology 31 (Introduction to College Biology)	4
Anatomy 1 (General Human Anatomy).....	5
English 1A (Critical Reading and Composition)	3
Mathematics 55 (Intermediate Algebra)	5
Health 51A (Basic Medical Terminology).....	
Or Health 52 (Basic Medical Terminology for Allied Health).....	3-4
Business 43 (Professional Communication) or Computer Information Systems 43 (Professional Communication) or Speech 43 (Professional Communication)	4
Electives.....	0-3
General Education Courses §	

Sophomore Year

Surgical Technology 50 (Basic and Biomedical Sciences for Surgical Technology)	5
Surgical Technology 51 (Patient Surgical Care Concepts)	12
Surgical Technology 52 (Surgical Specialities)	6
Surgical Technology 53 (Clinical Practice for Surgical Technology)..	8
Electives.....	0-3
General Education Courses §	
Total units required.....	60

§Program-based General Education requirement:
Anatomy 1 (General Human Anatomy)

Electives:

Students are encouraged to select from a wide variety of courses of interest for a minimum of 2-3 units of unrestricted elective credit.

See also: Biology, Health, and Surgical Technology

CHANGE: New certificate

Certificate of Achievement

Surgical Technology

Surgical Technology 50 (Basic and Biomedical Sciences for Surgical Technology).....	5
Surgical Technology 51 (Patient Surgical Care Concepts)	12
Surgical Technology 52 (Surgical Specialities)	6
Surgical Technology 53 (Clinical Practice for Surgical Technology)..	8
Business 43 (Professional Communication) or Computer Information Systems 43 (Professional Communication)or Speech 43 (Professional Communication).....	4
Total units required.....	35

See also: Biology, Allied Health, and Health

Vacuum Technology

Change: Degree inactive, effective Fall 2009

AS - Vacuum Technology

New/Revised Degrees, Certificates, Courses

Visual Communications

Change: Revision

AA - Visual Communications

Freshman Year

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 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 (Design Concepts I).....	3
General Education Courses	

Sophomore Year

Visual Communications 57 (Design Concepts II)	3
Visual Communications 58 (Photoshop II for Design) or Visual Communications 59 (Illustrator II for Design)	3
Visual Communications 60 (Creative Portfolio and Self-Promotion)	3
Visual Communications 64 (InDesign I and Layout Techniques).....	3
General Education Courses	

Total units required 60

Visual Communications

Change: Revision

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 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 (Design Concepts I).....	3
Visual Communications 57 (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) 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.*

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)

***Students may receive an additional Certificate if they complete both options: Emphasis in Multimedia, VCOM 63 and 63 IN and Emphasis in Print, VCOM 65 and 65IN*

New/Revised Degrees, Certificates, Courses

Visual Communications (VCOM)

Change: New course

VCOM 40 DESIGN SHOP: THE BUSINESS OF DESIGN 3 UNITS
The Design Shop business of the Visual Communications program creates work for clients on the Las Positas College campus and in the Tri-Valley community at large. This course is designed for students who are ready to produce client-based work in print and/or for the web prior to seeking employment and/or applying for transfer to a 4-year institution. Students work one-on-one or in a team with the client while refining leadership skills and the full range of visual, oral and written techniques needed to produce industry standard client-based work. Students develop creative print and/or web solutions that meet the full scope of the client's needs and that are of a quality that demonstrates the individual or team's work at industry-standard level. Strongly recommended: Visual Communications 57, 58, 59, 62, and 64. 2 hours lecture, 4 hours studio. Transfer: CSU (May be taken four times)
Degree Applicable, Credit Grading Option: OP

Change: Change of repeatability

VCOM 50 VISUAL COMMUNICATIONS AND THE PROCESS OF DESIGN 2 UNITS
Introduction to the vocation of visual communication and the creative processes, methods and tools used in developing concepts and final designs for print or web. Emphasis is placed on exploring the conceptual design process, learning the language of design, and basic level technical skills and techniques used across industry standard software, cross-platform operating systems, and hardware. Prerequisite: Visual Communications 48 (may be taken concurrently). 1 hour lecture, 4 hours studio. Transfer: CSU (Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description, change of repeatability

VCOM 48 INTRODUCTION TO A DESIGN STUDIO 0.3 UNIT
A self-paced basic skills tutorial course introducing software, hardware and peripheral equipment available in a design studio. Emphasis is placed on navigating the desktop, server and back-up media cross-platform, (Apple and PC operating systems); using and saving documents and folders to industry standards; downloading and saving images from a camera or reader; and accessing fonts and "Help" if unassisted. 12 total studio hours. Transfer: CSU (May be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of repeatability

VCOM 51 COLOR FOR DESIGN 2 UNITS
A basic-level course highlighting color as an element for communication and expression in all visual fields. Covers key color systems and their relevance to graphic and other visual arts, creative and technical aspects of color available in the Adobe Creative Suite applications including color expression, color theory, color interaction, color psychology, color perception, using color for an ethnically diverse, international audience, color theories, color trends, color reproduction, pre-press and screen view considerations. Prerequisite: Visual Communications 48 (may be taken concurrently.) 1 hour lecture, 4 hours studio Transfer: CSU (May be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Change of repeatability

VCOM 52 INTRODUCTION TO TYPOGRAPHY 3 UNITS
This course examines letterforms and fundamental typographic principles, with emphasis on the vocabulary of typographic form and its relationship to message/purpose in graphic design. Typography is the backbone of graphic design, and the ability to design effectively with type is essential for a graphic designer. Course includes applied history and theory highlighting type as an element for communication and expression, exploration of appropriate use of type families, type trends and typographic design used for an ethnically diverse, international audience. In-class focus on the mechanics of type design, type legibility, visual appropriateness, and project-based work exploring creative and technical aspects involved in designing text using the newest versions of Adobe Creative Suite software. Strongly recommended: Visual Communications 48 and Visual Communications 50. 2 hours lecture, 4 hours studio.
Transfer: CSU, UC (Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Advisory change; change of repeatability

VCOM 53 PHOTOSHOP I FOR DESIGN 2 UNITS
Technical and skill development course using the latest version of Photoshop at the basic-to intermediate-level to create and manipulate digital paintings, photographs and illustrations. Emphasis on basic- to intermediate-level techniques and tools used to create image files suitable for print and screen. Design principles emphasized to create effective output through computer-based composition. Strongly recommended: Visual Communications 48. 1 hour lecture, 4 hours studio. Transfer: CSU (Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of repeatability

VCOM 54 ILLUSTRATOR I FOR DESIGN 2 UNITS
Technical and drawing skill development course using the latest version of Illustrator at the basic- to intermediate-level to render 2- and 3-D digital drawings and illustrations. Emphasis on basic-to intermediate-level techniques and tools used to create image files suitable for print and screen. Design principles emphasized to create effective output through computer-based composition. Strongly recommended: Visual Communications 48. 1 hour lecture, 4 hours laboratory. Transfer: CSU (Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of repeatability

VCOM 55 WEB DESIGN I 3 UNITS
This basic-level web design course takes a visual communications approach to the creation of web sites, and the fundamental techniques required to format text, illustrations, tables, and images for the web. Emphasis is placed on appropriate design for the web—beginning with a graphic user interface that is functional, logical, and attractive, and bringing the concept to life using the latest versions of Dreamweaver. Also included is a brief overview of html code, cascading style sheets, and detailed instruction of how to use Dreamweaver to create web content. Strongly recommended Visual Communications 51 and either Visual Communications 53 or Visual Communications 54. 2 hours lecture, 4 hours studio.
Transfer: CSU (Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

Change: Course revision; new title; new catalog description

VCOM 56 DESIGN CONCEPTS I 3 UNITS
Design and skills development course exploring the creative processes, methods, strategies and tools used in developing concepts and final designs in any visual field including the basic elements of design: line, texture, value, shape, color, light, and spatial concepts. Emphasis is placed on experience applying design principles and conventions to create 2-dimensional work. Use of computers as digital design tool along with basic manual techniques relating to effective preparation, presentation, craftsmanship and professionalism in presentation. Strongly recommended: Visual Communications 51, Visual Communications 52 and either Visual Communications 53 or Visual Communications 54. 2 hours lecture, 4 hours studio. Transfer: CSU
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new title; new catalog description

VCOM 57 DESIGN CONCEPTS II 3 UNITS
Design and technical skills intermediate - level course in the creative processes, methods and tools used from concept to final design for commercial purposes in print and web (e.g., logos, related brand symbols, collateral materials, simple business publications, print and screen advertising, and packaging.) Emphasis is placed on the designer/client relationship, designing compelling graphics specifically to client project brief and to target audience, conducting research, presenting concept and final design, meeting deadlines, producing industry-standard digital documents, and working individually and in teams. Course includes designing minimum of one major project contracted through the Design Shop—the Visual Communications Program business that mirrors an industry-standard creative design agency. Design Shop client attends class to participate in briefing, Q & A, concept presentation, feedback and critique sessions. Prerequisite: Visual Communications 53 or 54 and Visual Communications 56 (completed with a grade of "C" or higher). 2 hours lecture, 4 hours studio. Transfer: CSU
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of repeatability

VCOM 58—PHOTOSHOP II FOR DESIGN—3 UNITS
Technical and design skill development course using the latest version of Photoshop at the intermediate to advanced-level to create and manipulate images, illustrations, text and animations. Emphasis on intermediate- through advanced-level techniques and tools used to create or manipulate image files suitable for print and screen. Design principles emphasized to create effective output through computer-based composition. Course includes minimum of one project contracted through the Design Shop—the Visual Communications Program business that mirrors an industry-standard creative design agency. Design Shop client attends class to participate in briefing, Q & A, presentation, feedback and critique sessions. Prerequisite: Visual Communications 53 (completed with a grade of "C" or higher). Strongly recommended: Visual Communications 50, Visual Communications 51 and Visual Communications 52. 2 hours lecture, 4 hours studio. Transfer: CSU
(Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description; change of repeatability

VCOM 59—ILLUSTRATOR II FOR DESIGN—3 UNITS
Technical and design skill development course using the latest version of Illustrator at the intermediate to advanced-level to render 2- and 3-D digital drawings, illustrations, graphs and animations. Emphasis on intermediate- through advanced-level techniques and tools used to create image files suitable for print and screen. Design principles emphasized to create effective output through computer-based composition. Course includes minimum of one project contracted through the Design Shop—the Visual Communications Program business that mirrors an industry-standard creative design agency. Design Shop client attends class to participate in briefing, Q & A, presentation, feedback and critique sessions. Prerequisite: Visual Communications 54 (completed with a grade of "C" or higher). Strongly recommended: Visual Communications 50, Visual Communications 51 and Visual Communications 52. 2 hours lecture, 4 hours studio. Transfer: CSU
(Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Change: Course revision; new catalog description

VCOM 60 CREATIVE PORTFOLIO AND SELF-PROMOTION 3 UNITS
Strategies for effective self-promotion of ideas and skills in the working visual communications world. Development and refinement of the creative portfolio to industry standards. Includes use of effective techniques of oral and visual presentation. Selecting, updating, and highlighting work and personal skills to best present individual and their portfolio. Strongly recommended: Visual Communications 55, Visual Communications 57, Visual Communications 58 and Visual Communications 59. 2 hours lecture, 4 hours studio. Transfer: CSU
Degree Applicable, Credit Grading Option: OP

Change: Course inactive, beginning Fall 2009

VCOM 61 INDEPENDENT STUDIES LEADING TO ADVANCED PORTFOLIO WORK 3 UNITS

Change: Course revision; new catalog description; change of repeatability

VCOM 62—WEB DESIGN II—3 UNITS
Technical and design skill intermediate- through advanced-level course in creation of web sites including user interface considerations, and Cascading Style Sheets techniques. Emphasis placed on functional, logical, attractive, accessible and appropriate web site design for the client and end-user. Including intermediate- through advanced-level techniques and tools required to format text, create animations and other content for the web. Programs covered are latest versions of Dreamweaver and Flash. Course includes minimum of one project contracted through the Design Shop—the Visual Communications Program business that mirrors an industry-standard creative design agency. Design Shop client attends class to participate in briefing, Q & A, presentation, feedback and critique sessions. Prerequisite: Visual Communications 55 (completed with a grade of "C" or higher). 2 hours lecture, 4 hours studio. Transfer: CSU
(Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

New/Revised Degrees, Certificates, Courses

Change: Course revision; new catalog description; change of repeatability

VCOM 64—INDESIGN I AND LAYOUT TECHNIQUES—3 UNITS

An introductory- through intermediate- level course emphasizing layout and typographical, technical and aesthetic skills using the latest version of Adobe InDesign, for print and other media. This course addresses migrating to InDesign from Quark or Pagemaker, and how InDesign can be used to increase productivity and workflow when working in applications in the Adobe Creative Suite. Course includes minimum of one project contracted through the Design Shop—the Visual Communications Program business that mirrors an industry-standard creative design agency. Design Shop client attends class to participate in briefing, Q & A, presentation, feedback and critique sessions. Strongly recommended: Visual Communications 50, Visual Communications 51, Visual Communications 52 and either Visual Communications 53 or Visual Communications 54. 2 hours lecture, 4 hours studio. Transfer: CSU (Course may be taken only one time for credit)
Degree Applicable, Credit Grading Option: OP

Viticulture and Winery Technology

Change: Identify Program Based GE AS – Viticulture

Freshman Year

Viticulture and Winery Technology 10 (Introduction to Viticulture) or Horticulture 70 (Introduction to Viticulture).....	3
Viticulture and Winery Technology 12 (Vineyard Soils, Fertilizers and Irrigation).....	3
Viticulture and Winery Technology 14 (Applied Viticultural Practices)	3
Viticulture and Winery Technology 33 (Summer Viticulture Operations)	3
Biology 10** (Introduction to the Science of Biology) or Biology 31** (Introduction to College Biology) or Botany 1**§ (General Botany)	4-5
Chemistry 30A** (Introduction and Applied Chemistry) or Geography 1** (Introduction to Physical Geography) and Geography 1L** (Introduction to Physical Geography Lab) or Geography 15** (Introduction to Geographic Information Systems)	3-4
General Education Courses §	

Sophomore Year

Viticulture and Winery Technology 20 (Introduction to Enology).....	3
Viticulture and Winery Technology 31 (Vineyard Operations I).....	3
Viticulture and Winery Technology 32 (Vineyard Operations II).....	3
Viticulture and Winery Technology 35 (Vineyard Pest and Disease Management).....	3
Viticulture and Winery Technology 29 (Independent Study) or Work Experience 95 (Occupational Work Experience Education) and Work Experience 96 (Work Experience Seminar).....	2-4
Electives*	2-3
General Education Courses §	
Total Units Required	60

§Program-based General Education requirement:
BOTN 1 (General Botany, 5 units)

*Electives

Select from the following for a minimum of 2 units:

- Viticulture and Winery Technology 38 (Vineyard Management)
- Viticulture and Winery Technology 47 (Wine Regions and Wines of California)
- Viticulture and Winery Technology 48 (Winery Management)
- Viticulture and Winery Technology 50 (Wine Marketing and Sales)

**Meets General Education Requirements

New/Revised Degrees, Certificates, Courses

Work Experience (WEXP)

Change: Correction of catalog description

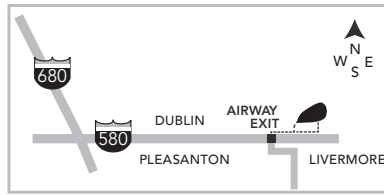
WEXP 95 OCCUPATIONAL WORK EXPERIENCE EDUCATION 1-3 UNITS
College-supervised on-the-job training for students working in an occupation. The training may be either paid or volunteer work experience, including an internship. Students through the cooperation of their supervisor contract to accomplish new learning objective or broadening experiences for each semester enrolled. Corequisite: Work Experience 96. 5-15 hours or more of paid employment per week or 4-12 hours of volunteer work each week. *Refer to program requirements, page 225 of 2008-2010 Las Positas College Catalog.* Transfer: CSU
Degree Applicable, Credit Grading Option: OP

Las Positas College

3000 Campus Hill Drive

Livermore, CA 94551

925 . 424 . 1000



Directions

EXIT : AIRWAY BLVD toward COLLIER CANYON
 Turn **RIGHT** onto N CANYONS PKWY
 Turn **LEFT** onto COLLIER CANYON RD;
 Las Positas College entrance is on your **RIGHT**
OR continue straight on N CANYONS PKWY;
 Turn **LEFT** onto CAMPUS HILL DRIVE

Key to Buildings

- 100 Administration
- 200 Classrooms
- 300 Photography Studio
Classrooms
Visual Communications Studio
- 400 Basic Skills English Classrooms, Lab
- 500 Fine Arts, Mathematics
- 600 Classrooms, Multipurpose Rooms
- 700 Admissions & Records
Counseling Center
Classrooms
- 800 Little Theater
Computer Labs
Automotive & Welding Labs
Horticulture & Viticulture, Garden
Classrooms, Greenhouse
Smog Referee Center
- 900 Career/Transfer Center, CalWorks
- 1000 Assessment
- 1200 Integrated Learning Center (ILC), Writing Center
- 1300 Bookstore
- 1320 Faculty Offices
- 1400 Classrooms
- 1500 Disabled Students Programs & Services (DSPS)
Extended Opportunity Programs & Services (EOPS)
Financial Aid/Veterans Office
International Student Office
- 1600 Campus Safety and Lost and Found
Staff Lounge
Conference Rooms
- 1700 Student Center
Student Government (ASLPC)
Cafeteria
Health Center
- 1800 Science Technology Center
Faculty Offices
- 2000 Library (Learning Resource Center)
- 2100 Faculty Offices
- 2200 Classrooms
- 2400 Multi-Disciplinary Education Building
Faculty Offices, Computer Labs, Classrooms
Innovation Center, LPC Express
Lecture Hall
Tutorial Center/Study Room
- 2500 Physical Education Complex
Faculty Offices, Gymnasium, Classrooms
- 2500 (A&B) Construction Trailers

Future Development Key

- 1 Child Development Center
- 2 Student and Administrative Services
- 3 Science Technology Center
- 4 Information Technology Center
- 5 Central Utility Plant
- 6 College Center for the Arts
- 7 Maintenance & Operations
- 8 Physical Education, Phase Three

