

# LAS POSITAS COLLEGE CATALOG ADDENDUM SPRING 2020

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## Academic Renewal

Academic Renewal, in accordance with the California Education Code Sections 55764 and 55765, is a process that permits the alleviation of substandard (D's, F's) academic coursework not reflective of the student's current scholastic ability. Grades alleviated by this process will be disregarded in computing the student's grade point average.

For students to be eligible for academic renewal, a period of at least two (2) years must have elapsed since completion of the coursework to be disregarded. The student may petition the Dean of Enrollment Services at Las Positas College for academic renewal upon completion of the following:

- A minimum of 12 units taken consecutively at a regionally accredited institution with a grade point average of 2.5 or better; or
- A minimum of 20 units with at least a 2.0 grade point average.

Upon approval, the student's permanent record shall be annotated in such a manner that all courses disregarded shall remain legible on the transcript, indicating a true and accurate history of the student's record.

Students may petition for academic renewal only once. Once the academic renewal process has been completed, it cannot be reversed. A maximum of 24 units of work may be renewed.

Academic renewal at Las Positas College does not guarantee that other colleges will accept this action. Acceptance of academic renewal is at the discretion of the receiving institution.

## New Credit Courses

### **BUSN 86 MANAGEMENT PRINCIPLES 3 UNITS**

The course is designed to familiarize students with the accepted standards, procedures, and techniques employed by top, middle, and supervisory level managers. The course provides an understanding of the role of management and how to develop plans and execute strategies in pursuit of organizational goals. Strongly Recommended: BUSN 40 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

### **BUSN 87 ORGANIZATIONAL MANAGEMENT AND LEADERSHIP 3 UNITS**

This course examines the special case of detailed planning and implementation of management decisions in strategic business units. Attention is focused on three areas: developing action plans and implementation strategies, developing awareness of the contingencies to be considered in taking strategic actions, and investigating how different academic disciplines interpret the leadership phenomenon. This course highlights key criteria used in assessing the viability of an organizational action plan, and the role of leadership in managing constructive change processes. Strongly Recommended: BUSN 40 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

### **CIS 7 INTRODUCTION TO PROGRAMMING CONCEPTS AND METHODOLOGIES 3 UNITS**

An introduction to the fundamental concepts and models of application development including the basic concepts of program design, data structures, programming, problem solving, programming logic, and fundamental design techniques for event-driven programs. Hands-on experience with a modern application object-oriented programming language and development platform such as Python/Visual Basic.NET/R Studio. Strongly Recommended: CIS 50 with a minimum grade of C. 45 hours lecture, 27 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

### **CIS 10 BUSINESS DATA ANALYTICS 3 UNITS**

Students explore data analytic practices and its applicability in the business world. Business Intelligence (BI) is a data analysis process which utilizes an integrated set of application systems, processes, and tools that transform raw data into meaningful and useful information for business analysis. Students will learn the fundamentals of business analysis and BI tools and processes that help businesses make strategic and tactical decisions based on data. The process of business decision-making will be applied with an emphasis on data mining.

## General Education Pattern for Associate of Arts (AA) Degree

- Courses may be listed in more than one area but will NOT be certified more than once, unless otherwise stated.
- For a course to meet an AA requirement, the course must be on the AA pattern during the academic year it is taken.

<b>Language and Rationality</b> <b>English Composition</b> Select 1 course; at least 3 units required • Complete with a grade of "C" or higher or "P"	<b>Mathematics</b> Proficiency in Mathematics may be met in one of the following ways:	GEOL 1L Physical Geology Laboratory GEOL 2 Historical Geology with Lab GEOL 5 Environmental Geology: Hazards & Disasters GEOL 7 Env. Geology: Resources, Use Impact & Pollution GEOL 12 Introduction to Oceanography GEOL 12L Intro to Oceanography Laboratory PHYS 1A General Physics I PHYS 2A Introduction to Physics I PHYS 10 Descriptive Physics PHYS 10L Descriptive Physics Lab PSYC 4 Brain, Mind and Behavior
<b>Writing and Critical Thinking</b> Select 1 course; at least 3 units required	<b>1.</b> Submit Documentation showing completion of Algebra 2 or Integrated Math 3 in High School with a 'C' or higher, an AP score of 3 or higher, an IB score of 4 or higher, or a CLEP score of 50 or higher.	<b>Humanities</b> Select at least 1 course; at least 3 units required ASL 2A American Sign Language III ASL 2B American Sign Language IV ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art History - Ancient to Medieval ARHS 5 Western Art History - Renaissance to Contemp. ARHS 7 Modern Art History ARHS 8 Asian Art History ARTS 2A Introduction to Drawing ARTS 23 2-D Design CMST 2 Oral Interpretation of Literature CMST 5 Readers Theater CMST 11 Intercultural Communication ENG 11 Introduction to Creative Writing ENG 12A The Craft of Writing Fiction ENG 12B The Craft of Writing Fiction: Intermediate ENG 13A Introduction to the Craft of Writing - Poetry ENG 13B The Craft of Writing Poetry: Intermediate ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 42 Literature of the African Diaspora in America ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I GDDM 3 The History of Modern Design GDDM 70 Photoshop and Lightroom for Photographers* HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 14 History and American Cultures of California HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Culture and Arts I: Ancient World to Renaiss. HUMN 12 Culture and the Arts II: The Modern World HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 12 Wind Ensemble MUS 13 History of Rock & Roll MUS 21A Beginning Piano MUS 23A Elementary Voice I
<b>Communication and Analytical Thinking</b> Select at least 1 course; at least 3 units required	<b>2.</b> Complete one of the mathematics courses listed below at Las Positas College (with a grade of "C" or higher or "P").	
ENG 1A Critical Reading and Composition ENG 1AEX Critical Reading and Composition Expanded ENG 4 Critical Thinking and Writing About Literature ENG 7 Critical Thinking and Writing Across Disciplines SPAN 23 Introduction to Hispanic Literature THEA 53 Script Analysis	<b>3.</b> Submit Documentation showing completion of one of the mathematics courses listed below (or equivalent) at another institution (with a grade of "C" or higher or "P").	
ASL 1A American Sign Language I ASL 1B American Sign Language II BUSN 48 Human Relations in Organizations BUSN 52 Business Communications CIS 50 Intro to Computing Info Tech CMST 1 Fundamentals of Public Speaking CMST 2 Oral Interpretation of Literature CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication CMST 46 Argumentation and Debate CMST 48 Activities in Forensics CS 1 Computing Fundamentals I CS 17 Discrete Mathematical Structures FREN 1A Beginning Spanish FREN 1B Elementary Italian ITLN 1A Beginning Italian ITLN 1B Elementary Italian MSCM 1 Introduction to Reporting & Newswriting MSCM 32A Introduction to Radio Production MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts MATH 50 Intermediate Algebra for SLAM MATH 52B Technical Int. Algebra for Automotive Tech. B MATH 53B Technical Intermediate Algebra for Welding B MATH 55 Intermediate Algebra for BSTEM MATH 55B Intermediate Algebra for BSTEM B NMAT 250 Intermediate Algebra for SLAM NMAT 255 Intermediate Algebra for BSTEM	<b>Natural Sciences</b> Select at least 1 course; at least 3 units required ANTR 1 Biological Anthropology ANTR 13 Introduction to Forensic Anthropology ASTR 10 Introduction to Astronomy: The Solar System ASTR 20 Introduction to Astronomy: Stars and the Universe ASTR 30L Introduction to Astronomy Lab BIO 1A General Botany BIO 1B General Zoology BIO 1C Cell and Molecular Biology BIO 7A Human Anatomy BIO 7B Human Physiology BIO 7C Microbiology BIO 10 Intro. to the Science of Biology BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology BIO 60 Marine Biology BIO 70 Field Biology CHEM 1A General College Chemistry I CHEM 30A Intro to Applied Chemistry I CHEM 31 Intro to College Chemistry EVST 5 Energy and Sustainability GEOG 1 Introduction to Physical Geography GEOG 1L Introduction to Physical Geography Laboratory GEOG 8 Introduction to Atmospheric Science GEOG 15 Introduction to GIS GEOL 1 Physical Geology	

\* Students must take both the A and B to meet this area

## General Education Pattern for Associate of Arts (AA) Degree

<p>MUS 34 Music in Film          MUS 37 Music Industry Career Development          MUS 38 Applied Lessons          MUS 44 Concert Choir          MUS 45 Chamber Choir          MUS 46A Beginning Jazz Choir          MUS 46B Advanced Jazz Choir          PHIL 1 God, Nature, Human Nature          PHIL 1H Honors Philosophy 1: God, Nature, Human Nat.          PHIL 2 Ethics          PHIL 2H Honors Philosophy 2: Ethics          PHIL 3 Aesthetics          PHIL 4 Intro to Philosophy: Knowledge          PHIL 5 Feminist Philosophy          PHTO 67 History of Photography          PHTO 70 Photoshop and Lightroom for Photographers*          RELS 1 Religions of the World          RELS 2 Bible: History and Literature          RELS 3 Intro to Women's Spirituality          RELS 11 The Nature of Islam          SPAN 2A Intermediate Spanish I          SPAN 21 Spanish for Bilingual Spanish Speakers I          SPAN 22 Spanish for Bilingual Spanish Speakers II          SPAN 23 Introduction to Hispanic Literature          THEA 1A Theory/Practice of Acting I          THEA 1B Theory/Practice of Acting II          THEA 4 American Cultures in Theater          THEA 5 Theater for Young Audiences          THEA 10 Introduction to Dramatic Arts          THEA 11 Stage to Screen          THEA 12 Film As Art &amp; Communication          THEA 14 Bay Area Theatre          WLDT 71 Welding for the Arts          * GDDM 70 + PHTO 70 maximum credit 1 course</p>	<p>ECON 5 Economic History of the United States          ECON 10 General Economics          GEOG 1 Introduction to Physical Geography          GEOG 2 Cultural Geography          GEOG 5 World Regional Geography          GEOG 12 Geography of California          GEOG 15 Introduction to GIS          GS 1 Introduction to Global Studies          GS 2 Global Issues          HIST 14 History and American Cultures of California          HIST 25 American Indian History          HIST 28 History of the American West          HIST 32 U.S. Women's History          MSCM 5 Introduction to Mass Communications          MSCM 31 Introduction to Media          PCN 3 Theories &amp; Concepts of Counseling: An Introduction          PCN 5 Introduction to Social Work &amp; Human Services          PCN 13 Multicultural Issues in Contemporary America          POLI 7 Introduction to American Government          POLI 12 Intro. to California State and Local Government          POLI 20 Comparative Government          POLI 25 Introduction to Political Theory          POLI 30 International Relations          PSYC 1 General Psychology          PSYC 3 Introduction to Social Psychology          PSYC 4 Brain, Mind and Behavior          PSYC 6 Abnormal Psychology          PSYC 12 Life-span Psychology          PSYC 13 Psychology of Women          PSYC 15 Abnormal Child Psychology          PSYC 17 The Psychology of Sleep and Dreams          PSYC 21 Intro. to Cross-Cultural Psychology          PSYC 25 Research Methods          PSYC 27 Introduction to Cognitive Science          SOC 1 Principles of Sociology          SOC 3 Cultural and Racial Minorities          SOC 4 Marriage and Family Relations          SOC 5 Introduction to Global Studies          SOC 6 Social Problems          SOC 11 Sociology of Gender          SOC 12 Popular Culture          SOC 13 Research Methods          WMST 1 Introduction to Women's Studies          WMST 2 Global Perspective of Women</p>	<p>KIN 22A Science of Soccer 1          KIN 30 Introduction to Kinesiology          NUTR 1 Nutrition          PSYC 10 Psychology of Human Sexuality</p>	
<p><b>Social and Behavioral Sciences</b>          Select 1 course; at least 3 units required</p>	<p><b>Wellness</b>          Select 1 course in Health (3 units) and complete at least 1 unit in Kinesiology; at least 4 units required          • <i>The entire Wellness area may be waived for Veterans with a DD214 - honorable discharge.</i></p>	<p><b>Kinesiology</b>          Select at least 1 course          • <i>Exemption from the Kinesiology requirement is allowed for illness or physical disability by filing a physician's statement at the Admissions &amp; Records Office or for students who hold an AA/AS Degree or higher.</i></p>	
<p>AJ 50 Intro to Admin of Justice          AJ 60 Criminal Law          AJ 66 Juvenile Procedures          ANTR 1 Biological Anthropology          ANTR 2 Introduction to Archaeology          ANTR 3 Cultural Anthropology          ANTR 4 Language and Culture          ANTR 5 Cultures of the U.S. in Global Perspective          ANTR 6 Anthropology of Sex and Gender          ANTR 7 Native American Cultures of North America          ANTR 8 World Prehistory in Archaeological Perspective          ANTR 12 Magic/Religion/Witchcraft/Healing          ANTR 13 Introduction to Forensic Anthropology          BUSN 18 Business Law          BUSN 20 International Business          BUSN 30 Business Ethics and Society          CMST 3 Group Communication          ECE 62 Child, Family and Community          ECE 79 Teaching in a Diverse Society          ECON 1 Principles of Microeconomics          ECON 2 Principles of Macroeconomics</p>	<p><b>Health</b>          Select 1 course</p> <p>ECE 54 Child Health, Safety and Nutrition          HLTH 1 Introduction to Personal Health          HLTH 3 Women's Health          HLTH 7 Introduction to Public Health          HLTH 11 Health and Social Justice</p>	<p>DANC 1 Introduction to Dance          DANC 2A Jazz Dance Fundamentals/Beginning          DANC 2B Jazz Dance Beginning/Intermediate          DANC 3A Ballet Fundamentals/Beginning          DANC 4A Modern/Contemporary Dance A          DANC 4B Modern/Contemporary Dance B          DANC 5A Dance Composition 5A          DANC 5B Dance Composition 5B          DANC 6A Dance Prod.-Choreography A          DANC 6B Dance Prod.-Choreography B          FST FSC1 Fire Service Con. &amp; Phys. Agility Development 1          Any Kinesiology Intercol. Athletics Course (KIN 31A-65)          Any Kinesiology Activity Course (KIN AAE-ZUM1)</p>	
<p><b>Graduation Requirements</b></p>	<p><b>American Institutions (AI)</b>          Select 1 course; at least 3 units required          • <i>Partially satisfies CSU AI and USH requirement</i></p>	<p><b>American Cultures</b>          Complete 1 course with a grade of 'C' or higher or 'P'          • <i>Where appropriate, the course can simultaneously satisfy 1 other graduate or subject area requirement.</i></p>	
<p>1. Select a major and complete all major requirements plus GE and electives to total 60 or more units.          2. Complete a minimum of 60 units with a cumulative grade point average of 2.0 or better.          3. Complete a minimum of 12 units at Las Positas College.          4. Complete all General Education (GE) Requirements for the Associate of Arts Degree.          5. All courses required for the Major must be completed with a 'C' or 'P.'</p>			<p>HIST 7 US History Through Reconstruction          HIST 8 US History Post-Reconstruction          HIST 14 History and American Cultures of California          HIST 25 American Indian History          HIST 32 U.S. Women's History          POLI 7 Introduction to American Government</p>

## General Education Pattern for Associate of Science (AS) Degree

- Courses may be listed in more than one area but will NOT be certified more than once, unless otherwise stated.
- For a course to meet an AA requirement, the course must be on the AA pattern during the academic year it is taken.

<b>Language and Rationality</b> <b>English Composition</b> Select 1 course; at least 3 units required <i>• Complete with a grade of 'C' or higher or 'P'</i>	higher, an IB score of 4 or higher, or a CLEP score of 50 or higher.	PHYS 1A General Physics I PHYS 2A Introduction to Physics I PHYS 10 Descriptive Physics PHYS 10L Descriptive Physics Lab PSYC 4 Brain, Mind and Behavior
<b>Communication and Analytical Thinking</b> Select at least 1 course; at least 3 units required	<b>2. Complete one of the mathematics courses listed below at Las Positas College (with a grade of "C" or higher or "P").</b>	<b>Humanities</b> Select at least 1 course; at least 3 units required
ENG 1A Critical Reading and Composition ENG 1AEX Critical Reading and Composition Expanded	<b>3. Submit Documentation showing completion of one of the mathematics courses listed below (or equivalent) at another institution (with a grade of "C" or higher or "P").</b>	ASL 2A American Sign Language III ASL 2B American Sign Language IV ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art History - Ancient to Medieval ARHS 5 Western Art History - Renaissance to Contemporary ARHS 7 Modern Art History ARHS 8 Asian Art History ARTS 2A Introduction to Drawing ARTS 23 2-D Design CMST 2 Oral Interpretation of Literature CMST 5 Readers Theater CMST 11 Intercultural Communication ENG 11 Introduction to Creative Writing ENG 12A The Craft of Writing Fiction ENG 12B The Craft of Writing Fiction: Intermediate ENG 13A Introduction to the Craft of Writing - Poetry ENG 13B The Craft of Writing Poetry: Intermediate ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 42 Literature of the African Diaspora in America ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I GDDM 3 The History of Modern Design GDDM 70 Photoshop and Lightroom for Photographers* HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 14 History and American Cultures of California HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Culture and Arts I: Ancient World to Renaissance HUMN 12 Culture and the Arts II: The Modern World HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 12 Wind Ensemble MUS 13 History of Rock & Roll MUS 14 Jazz Workshop MUS 19 Studies in Music Composition MUS 20A Elementary Guitar MUS 21A Beginning Piano MUS 23A Elementary Voice I MUS 34 Music in Film MUS 37 Music Industry Career Development MUS 38 Applied Lesson
ASL 1A American Sign Language I ASL 1B American Sign Language II BUSN 48 Human Relations in Organizations BUSN 52 Business Communications CIS 50 Intro to Computing Info Tech CMST 1 Fundamentals of Public Speaking CMST 2 Oral Interpretation of Literature CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication CMST 46 Argumentation and Debate CMST 48 Activities in Forensics CS 1 Computing Fundamentals I CS 17 Discrete Mathematical Structures FREN 1A Beginning Spanish FREN 1B Elementary Italian ITLN 1A Beginning Italian ITLN 1B Elementary Italian MSCM 1 Introduction to Reporting & Newswriting MSCM 32A Introduction to Radio Production MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts MATH 50 Intermediate Algebra for SLAM MATH 52A Technical Int. Algebra for Auto. Technology A* MATH 52B Technical Int. Algebra for Auto. Technology B* MATH 53A Technical Intermediate Algebra for Welding A* MATH 53B Technical Intermediate Algebra for Welding B* MATH 55 Intermediate Algebra for BSTEM MATH 55A Intermediate Algebra for BSTEM A* MATH 55B Intermediate Algebra for BSTEM B* PHIL 6 Introduction to Logic PHIL 8 Logic and Argumentation SPAN 1A Beginning Spanish SPAN 1B Elementary Spanish SPAN 21 Spanish for Bilingual Spanish Speakers I SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature THEA 3A Beginning Improvisation THEA 25 Fundamentals of Stage Speech * Students must take both the A and B to meet this area	CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calculus for Business and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts MATH 50 Intermediate Algebra for SLAM MATH 52B Technical Int. Algebra for Automotive Tech. B MATH 53B Technical Intermediate Algebra for Welding B MATH 55 Intermediate Algebra for BSTEM MATH 55B Intermediate Algebra for BSTEM B NMAT 250 Intermediate Algebra for SLAM NMAT 255 Intermediate Algebra for BSTEM	<b>Natural Sciences</b> Select at least 1 course; at least 3 units required
<b>Mathematics</b> Proficiency in Mathematics may be met in one of the following ways:	<b>1. Submit Documentation showing completion of Algebra 2 or Integrated Math 3 in High School with a 'C' or higher, an AP score of 3 or</b>	

**General Education Pattern for Associate of Science (AS) Degree**

<p>MUS 44 Concert Choir MUS 45 Chamber Choir MUS 46A Beginning Jazz Choir MUS 46B Advanced Jazz Choir PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nat. PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy PHTO 67 History of Photography PHTO 70 Photoshop and Lightroom for Photographers* RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 21 Spanish for Bilingual Spanish Speakers I SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature THEA 1A Theory/Practice of Acting I THEA 1B Theory/Practice of Acting II THEA 4 American Cultures in Theater THEA 5 Theater for Young Audiences THEA 10 Introduction to Dramatic Arts THEA 11 Stage to Screen THEA 12 Film As Art &amp; Communication THEA 14 Bay Area Theatre WLDT 71 Welding for the Arts * GDDM 70 + PHTO 70 maximum credit 1 course</p>	<p>ANTR 8 World Prehistory in Archaeological Perspective ANTR 12 Magic/Religion/Witchcraft/Healing ANTR 13 Introduction to Forensic Anthropology BUSN 18 Business Law BUSN 20 International Business BUSN 30 Business Ethics and Society CMST 3 Group Communication ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the United States ECON 10 General Economics GEOG 1 Introduction to Physical Geography GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California GEOG 15 Introduction to GIS GS 1 Introduction to Global Studies GS 2 Global Issues HIST 14 History and American Cultures of California HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History MSCM 5 Introduction to Mass Communications MSCM 31 Introduction to Media PCN 3 Theories &amp; Concepts of Counseling: An Introduction PCN 5 Introduction to Social Work &amp; Human Services PCN 13 Multicultural Issues in Contemporary America POLI 7 Introduction to American Government POLI 12 Intro. to California State and Local Government POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 12 Life-span Psychology PSYC 13 Psychology of Women PSYC 15 Abnormal Child Psychology PSYC 17 The Psychology of Sleep and Dreams PSYC 21 Intro. to Cross-Cultural Psychology PSYC 25 Research Methods PSYC 27 Introduction to Cognitive Science SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations SOC 5 Introduction to Global Studies SOC 6 Social Problems SOC 11 Sociology of Gender</p>	<p>SOC 12 Popular Culture SOC 13 Research Methods WMST 1 Introduction to Women's Studies WMST 2 Global Perspective of Women</p> <p><b>Kinesiology</b> Select at least 1 course; at least 1 unit required • <i>Exemption from the Kinesiology requirement is allowed for illness or physical disability by filing a physician's statement at the Admissions &amp; Records Office or for students who hold an AA/AS Degree or higher.</i> • <i>The Kinesiology requirement may be waived for Veterans with a DD214 - honorable discharge.</i></p> <p>DANC 1 Introduction to Dance DANC 2A Jazz Dance Fundamentals/Beginning DANC 2B Jazz Dance Beginning/Intermediate DANC 3A Ballet Fundamentals/Beginning DANC 4A Modern/Contemporary Dance A DANC 4B Modern/Contemporary Dance B DANC 5A Dance Composition 5A DANC 5B Dance Composition 5B DANC 6A Dance Prod.-Choreography A DANC 6B Dance Prod.-Choreography B FST FSC1 Fire Service Con. &amp; Phys. Agility Development 1 Any Kinesiology Intercol. Athletics Course (KIN 31A-65) Any Kinesiology Activity Course (KIN AAE-ZUM1)</p> <p><b>American Cultures</b> Complete 1 course with a grade of 'C' or higher or 'P' • <i>Where appropriate, the course can simultaneously satisfy 1 other graduate or subject area requirement.</i></p> <p>ANTR 5 Cultures of the U.S. in Global Perspective ANTR 7 Native American Cultures of North America CMST 11 Intercultural Communication ENG 44 Literature of the American West ECE 79 Teaching in a Diverse Society HIST 14 History and American Cultures of California HIST 28 History of the American West HIST 32 U.S. Women's History HUMN 10 American Arts and Ideas MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 13 History of Rock &amp; Roll PCN 3 Theories &amp; Concepts of Counseling: An Introduction PCN 13 Multicultural Issues in Contemporary America POLI 12 Intro. to California State and Local Government SOC 3 Cultural and Racial Minorities THEA 4 American Cultures in Theater WMST 1 Introduction to Women's Studies</p>
<p><b>Program-Based General Education Requirement</b> At least 3 units required</p>		
<p>You will need 1 course to satisfy this area. The course is specific to each A.S. Degree Major; see the 2019-20 Catalog or the A.S. program coordinator.</p>		
<p><b>Social and Behavioral Sciences</b> Select 1 course; at least 3 units required</p>		
<p>AJ 50 Intro to Admin of Justice AJ 60 Criminal Law AJ 66 Juvenile Procedures ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Perspective ANTR 6 Anthropology of Sex and Gender ANTR 7 Native American Cultures of North America</p>	<p>ANTR 8 World Prehistory in Archaeological Perspective ANTR 12 Magic/Religion/Witchcraft/Healing ANTR 13 Introduction to Forensic Anthropology BUSN 18 Business Law BUSN 20 International Business BUSN 30 Business Ethics and Society CMST 3 Group Communication ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the United States ECON 10 General Economics GEOG 1 Introduction to Physical Geography GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California GEOG 15 Introduction to GIS GS 1 Introduction to Global Studies GS 2 Global Issues HIST 14 History and American Cultures of California HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History MSCM 5 Introduction to Mass Communications MSCM 31 Introduction to Media PCN 3 Theories &amp; Concepts of Counseling: An Introduction PCN 5 Introduction to Social Work &amp; Human Services PCN 13 Multicultural Issues in Contemporary America POLI 7 Introduction to American Government POLI 12 Intro. to California State and Local Government POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 12 Life-span Psychology PSYC 13 Psychology of Women PSYC 15 Abnormal Child Psychology PSYC 17 The Psychology of Sleep and Dreams PSYC 21 Intro. to Cross-Cultural Psychology PSYC 25 Research Methods PSYC 27 Introduction to Cognitive Science SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations SOC 5 Introduction to Global Studies SOC 6 Social Problems SOC 11 Sociology of Gender</p>	<p>SOC 12 Popular Culture SOC 13 Research Methods WMST 1 Introduction to Women's Studies WMST 2 Global Perspective of Women</p> <p><b>Kinesiology</b> Select at least 1 course; at least 1 unit required • <i>Exemption from the Kinesiology requirement is allowed for illness or physical disability by filing a physician's statement at the Admissions &amp; Records Office or for students who hold an AA/AS Degree or higher.</i> • <i>The Kinesiology requirement may be waived for Veterans with a DD214 - honorable discharge.</i></p> <p>DANC 1 Introduction to Dance DANC 2A Jazz Dance Fundamentals/Beginning DANC 2B Jazz Dance Beginning/Intermediate DANC 3A Ballet Fundamentals/Beginning DANC 4A Modern/Contemporary Dance A DANC 4B Modern/Contemporary Dance B DANC 5A Dance Composition 5A DANC 5B Dance Composition 5B DANC 6A Dance Prod.-Choreography A DANC 6B Dance Prod.-Choreography B FST FSC1 Fire Service Con. &amp; Phys. Agility Development 1 Any Kinesiology Intercol. Athletics Course (KIN 31A-65) Any Kinesiology Activity Course (KIN AAE-ZUM1)</p> <p><b>American Cultures</b> Complete 1 course with a grade of 'C' or higher or 'P' • <i>Where appropriate, the course can simultaneously satisfy 1 other graduate or subject area requirement.</i></p> <p>ANTR 5 Cultures of the U.S. in Global Perspective ANTR 7 Native American Cultures of North America CMST 11 Intercultural Communication ENG 44 Literature of the American West ECE 79 Teaching in a Diverse Society HIST 14 History and American Cultures of California HIST 28 History of the American West HIST 32 U.S. Women's History HUMN 10 American Arts and Ideas MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 13 History of Rock &amp; Roll PCN 3 Theories &amp; Concepts of Counseling: An Introduction PCN 13 Multicultural Issues in Contemporary America POLI 12 Intro. to California State and Local Government SOC 3 Cultural and Racial Minorities THEA 4 American Cultures in Theater WMST 1 Introduction to Women's Studies</p>
<p><b>Graduation Requirements</b></p>		
<ol style="list-style-type: none"> <li>1. Complete a minimum of 60 units with a cumulative grade point average of 2.0 or better.</li> <li>2. Complete a minimum of 12 units at Las Positas College.</li> <li>3. Complete all General Education (GE) Requirements for the Associate of Science Degree.</li> <li>4. Select a major and complete all major requirements plus GE and electives to total 60 units.</li> <li>5. All courses required for the Major must be completed with a 'C' or 'P.'</li> </ol>		



- Courses may be listed in more than one area but will NOT be certified more than once, unless stated otherwise.
- For a course to meet a CSU GE-B requirement, the course must be on the CSU GE-B pattern during the academic year it is taken.

<p><b>Area A: English Language Communication and Critical Thinking</b> Select 3 courses, 1 from 1A, 1B and 1C; at least 9 units required • All courses must be completed with a grade of 'C' or better.</p>	<p>BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology<sup>L</sup> BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology<sup>L</sup> BIO 60 Marine Biology<sup>L</sup> BIO 70 Field Biology<sup>L</sup> PSYC 4 Brain, Mind and Behavior</p>	<p>THEA 1A Theory/Practice of Acting I THEA 4 American Cultures in Theater THEA 10 Introduction to Dramatic Arts THEA 11 Stage to Screen THEA 12 Film As Art &amp; Communication THEA 14 Bay Area Theatre THEA 25 Fundamentals of Stage Speech THEA 51 Introduction to Costume Design WLDT 71 Welding for the Arts</p>	<p>SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature</p>
<p><b>A1: Oral Communication</b> Select 1 course</p> <p>CMST 1 Fundamentals of Public Speaking CMST 10 Interpersonal Communication (F16) CMST 46 Argumentation and Debate</p>	<p><b>B3: Laboratory Activity</b> Select 1 course from below or from B1 or B2 marked with <sup>L</sup></p>	<p><b>C2: Humanities</b> Select at least 1 course</p>	<p><b>Area D: Social and Behavioral Sciences</b> Select 3 courses, from at least 2 different disciplines; at least 9 units required</p>
<p><b>A2: Written Communication</b> Select 1 course</p> <p>ENG 1A Critical Reading and Composition ENG 1AEX Crit. Reading and Comp. Exp.</p>	<p>ANTR 1L Biological Anthropology Lab ANTR 2L Archaeology Field Lab ASTR 30L Introduction to Astronomy Lab GEOG 1L Intro. to Physical Geography Lab. GEOG 1L Physical Geology Laboratory GEOG 12L Intro to Oceanography Lab. PHYS 10L Descriptive Physics Lab</p>	<p>AJ 88 The Police and Hollywood ASL 2A American Sign Language III ASL 2B American Sign Language IV CMST 2 Oral Interpretation of Literature CMST 5 Readers Theater ECE 61 Literature for the Young Child (F16) ENG 4 Crit. Thinking &amp; Wri. About Lit. (F16) ENG 7 Crit. Think. &amp; Wri. Across Disc. (F16) ENG 11 Introduction to Creative Writing ENG 12A The Craft of Writing Fiction ENG 12B The Craft of Writing Fiction: Inter. ENG 13A Intro. to the Craft of Wri. - Poetry ENG 13B The Craft of Writing Poetry: Inter. ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 42 Lit. of the African Diaspora in Am. ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I FREN 2B Intermediate French II HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cult. of Calif. (F15) HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. &amp; the Arts I: Anc. to Ren. HUMN 12 Cul. &amp; the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy PHIL 6 Introduction to Logic (F19) PHIL 8 Logic and Argumentation (F19) RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II SPAN 21 Spanish for Bilingual Spanish Speakers I (F19)</p>	<p>AJ 50 Intro to Admin of Justice (F12) AJ 56 Fund. of Crime and Delinquency (F15) AJ 60 Criminal Law (F12) AJ 66 Juvenile Procedures (F15) AJ 78 Introduction to Probation and Parole AJ 88 The Police and Hollywood ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Rel./Witchcraft/Healing BUS 30 Business Ethics and Society CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F12) ECE 56 Child Growth and Development ECE 62 Child, Family and Community ECE 79 Teaching in a Diverse Society ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U. S. ECON 10 General Economics ENG 44 Literature of the American West GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GEOG 15 Introduction to GIS GS 1 Introduction to Global Studies** GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 HIST 2 Western Civilization since 1600 HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History HIST 28 History of the American West HIST 32 U.S. Women's History MKTG 50 Introduction to Marketing MSCM 5 Intro. to Mass Communications MSCM 31 Introduction to Media PCN 3 Theories &amp; Con.of Coun. An Intro. PCN 13 Multicultural Issues in Cont. Am. POLI 7 Intro. to American Government POLI 12 Intro. to Ca. State and Local Gov. POLI 20 Comparative Government POLI 25 Introduction to Political Theory POLI 30 International Relations PSYC 1 General Psychology PSYC 3 Introduction to Social Psychology PSYC 4 Brain, Mind and Behavior PSYC 6 Abnormal Psychology PSYC 12 Life-span Psychology PSYC 13 Psychology of Women</p>
<p><b>A3: Critical Thinking</b> Select 1 course</p> <p>CMST 46 Argumentation and Debate ENG 4 Crit. Thinking and Writ. About Lit. ENG 7 Crit. Thinking and Writ. Across Disc. PHIL 6 Introduction to Logic PHIL 8 Logic and Argumentation</p>	<p><b>B4: Mathematics/Quantitative Reasoning</b> Select 1 course • Must be completed with a grade of 'C' or better.</p>		
<p><b>Area B: Scientific Inquiry and Quantitative Reasoning</b> Select 1 Physical Science course, 1 Life Science course, 1 course with a Lab, and 1 Mathematics/Quantitative Reasoning course; at least 9 units required</p>	<p>BUSN 33 Personal Fin. Manag. &amp; Planning CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calc. for Bus. and Social Sciences MATH 39 Trigonometry MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts</p>		
<p><b>B1: Physical Science</b> Select 1 course</p>	<p><b>Area C: Arts and Humanities</b> Select 3 courses, 1 course from Arts, 1 course from Humanities, and 1 course from either area; at least 9 units required</p>		
<p>ASTR 10 Intro. to Ast.: The Solar System ASTR 20 Intro. to Ast.: Stars and the Uni. CHEM 1A General College Chemistry I<sup>L</sup> CHEM 1B General College Chemistry II<sup>L</sup> CHEM 12A Organic Chemistry I<sup>L</sup> CHEM 12B Organic Chemistry II<sup>L</sup> CHEM 30A Intro to Applied Chemistry I<sup>L</sup> CHEM 30B Intro to Applied Chemistry II<sup>L</sup> CHEM 31 Intro to College Chemistry<sup>L</sup> EVST 5 Energy and Sustainability GEOG 1 Introduction to Physical Geography GEOG 8 Intro. to Atmospheric Science GEOG 12 Geography of California (F16) GEOG 1 Physical Geology GEOG 2 Historical Geology with Lab<sup>L</sup> GEOG 5 Env. Geology: Hazards &amp; Disasters GEOG 7 Env. Geol.: Res., Use Impact &amp; Pol. GEOG 12 Introduction to Oceanography PHYS 1A General Physics I<sup>L</sup> PHYS 1B General Physics II<sup>L</sup> PHYS 1C General Physics III<sup>L</sup> PHYS 1D General Physics IV<sup>L</sup> PHYS 2A Introduction to Physics I<sup>L</sup> PHYS 2B Introduction to Physics II<sup>L</sup> PHYS 10 Descriptive Physics</p>	<p><b>C1: Arts</b> Select at least 1 course</p>		
<p><b>B2: Life Science</b> Select 1 course</p>	<p>ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art Hist. - Ancient to Med. ARHS 5 Western Art Hist. - Ren. to Cont. ARHS 7 Modern Art History ARHS 8 Asian Art History ARTS 2A Introduction to Drawing ARTS 3A Figure and Composition I ARTS 4A Introduction to Ceramics (F19) ARTS 7A Intro. to Watercolor Painting (F19) ARTS 12A Oil/Acrylic Painting; Beg. I (F19) ARTS 13A Acrylic Painting; Beg. I (F19) GDDM 3 The History of Modern Design HUMN 4 Global Cinemas HUMN 11 Cul. &amp; the Arts I: Anc. to Ren. HUMN 12 Cul. &amp; the Arts II: The Mod. W. MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 8A Music Theory and Musicianship 1 MUS 8B Music Theory and Musicianship 2 MUS 13 History of Rock &amp; Roll MUS 34 Music in Film PHOTO 67 History of Photography</p>		



<p>PSYC 15 Abnormal Child Psychology (F16)          PSYC 21 Intro. to Cross-Cultural Psychology          PSYC 25 Research Methods          PSYC 27 Introduction to Cognitive Science          SOC 1 Principles of Sociology          SOC 3 Cultural and Racial Minorities          SOC 4 Marriage and Family Relations          SOC 5 Introduction to Global Studies**          SOC 6 Social Problems          SOC 11 Sociology of Gender          SOC 12 Popular Culture          SOC 13 Research Methods          WMST 1 Introduction to Women's Studies          WMST 2 Global Perspective of Women          ** GS 1 + SOC 5 maximum credit 1 course</p>	<p>KIN 38B Intercollegiate Men's Soccer*          KIN 38C Post Season Inter. Men's Soccer*          KIN 40A Pre-Season Int. Women's Vol.* (F19)          KIN 40B In Season Int. Women's Vol.* (F19)          KIN 40C Off Season Int. Women's Vol.* (F19)          KIN 41A Pre-Sea. Inter. Women's Basketball*          KIN 41B Fall Inter. Basketball - Women*          KIN 41C Spring Inter. Basketball - Women*          KIN 41D Off-Sea. Int. Women's Basketball*          KIN 48A Pre-Sea. Inter. Women's Soccer*          KIN 48B Inter. Athletics: Women's Soccer*          KIN 48C Off Season Inter. Women's Soccer*          KIN 50 Inter. Swimming &amp; Diving*          KIN 51 Pre-season Train. - Swim. &amp; Diving*          KIN 60 Inter. Water Polo - Men's*          KIN 61 Water Polo Off Season Training*          KIN 65 Inter. Water Polo - Women's*          KIN AAE Adapted Aerobic Exercise*          KIN AAQE Adapted Aquatic Exercise*          KIN AB Aerobic Fitness*          KIN AFG Aerobic Fitness Gym*          KIN AIE Adapted Individualized Exercise*          KIN APA Adapted Physical Activities*          KIN AQA Aqua Aerobics*          KIN AWT Adapted Weight Training*          KIN BC1 Boot Camp for Flex. &amp; Core Dev.*          KIN BC2 Boot Camp for Aerobic Cond.*          KIN BC3 Boot Camp for Power &amp; Str. Tra.*          KIN BD1 Badminton 1*          KIN BD2 Badminton 2*          KIN BD3 Badminton 3*          KIN BK1 Basketball 1*          KIN BK2 Basketball 2*          KIN BL1 Bowling 1*          KIN BSF1 Body Sculpting for Fitness*          KIN BX1 Box Aerobics 1*          KIN BX2 Box Aerobics 2*          KIN CR1 Cricket 1*          KIN CR2 Cricket 2*          KIN CYCL1 Cycling Conditioning 1*          KIN CYCL2 Cycling 2*          KIN CYCL3 Cycling 3*          KIN DBS Dance Aerobics/Body Sculpting*          KIN DV1 Springboard Diving*          KIN ETD1 Eskrima - Tenio DeCuerdas 1*          KIN ETD2 Eskrima - Tenio DeCuerdas 2*          KIN ETD3 Eskrima - Tenio DeCuerdas 3*          KIN ETD4 Eskrima - Tenio DeCuerdas 4*</p>	<p>KIN FC Fitness Center*          KIN FD Fitness Development*          KIN FL1 Flag Football 1*          KIN FL2 Flag Football 2*          KIN FL3 Flag Football 3*          KIN FNE1 Fencing - Epee 1*          KIN FNE2 Fencing - Epee 2* (F19)          KIN FNF1 Fencing - Foil 1*          KIN FNF2 Fencing - Foil 2* (F19)          KIN FW1 Fitness Walking 1*          KIN FW2 Fitness Walking 2*          KIN FW3 Fitness Walking 3*          KIN GBW Guts and Butts Workout*          KIN GF1 Golf 1*          KIN GF2 Golf 2*          KIN GF3 Golf 3*          KIN JDR1 Jujutsu - Danzan Ryu 1*          KIN JDR2 Jujutsu - Danzan Ryu 2*          KIN JDR3 Jujutsu - Danzan Ryu 3*          KIN JDR4 Jujutsu - Danzan Ryu 4*          KIN JW Jog/Walk*          KIN LG Lifeguarding*          KIN OM1 Optimal Movement 1*          KIN PF Personal Fitness*          KIN PL1 Pilates 1*          KIN PL2 Pilates 2*          KIN SD1 Salsa Dance 1*          KIN SI1 Soccer - Indoor 1*          KIN SI2 Soccer - Indoor 2*          KIN SO1 Soccer - Outdoor 1*          KIN SO2 Soccer - Outdoor 2*          KIN SW1 Swimming 1*          KIN SW2 Swimming 2*          KIN SW3 Swimming 3*          KIN SW4 Swimming 4*          KIN SWF1 Swimming for Fitness 1*          KIN SWF2 Swimming for Fitness 2*          KIN SWF3 Swimming for Fitness 3*          KIN SWF4 Swimming for Fitness 4*          KIN TK1 Tae Kwon Do 1*          KIN TK2 Tae Kwon Do 2*          KIN TK3 Tae Kwon Do 3*          KIN UF1 Ultimate Frisbee 1*          KIN UF2 Ultimate Frisbee 2*          KIN UF3 Ultimate Frisbee 3*          KIN UF4 Ultimate Frisbee 4*          KIN VB1 Volleyball Beginning*          KIN VB2 Volleyball Intermediate*</p>	<p>KIN VB3 Volleyball Advanced*          KIN WP1 Water Polo 1*          KIN WP2 Water Polo 2*          KIN WP3 Water Polo 3*          KIN WT1 Weight Training 1*          KIN WT2 Weight Training 2*          KIN WTW1 Women's Weight Training One*          KIN WTW2 Women's Circuit Training*          KIN XT1 X-Training*          KIN YO1 Yoga 1*          KIN YO2 Yoga 2*          KIN YO3 Yoga 3*          KIN YO4 Yoga 4*          KIN ZUM1 Zumba Fitness Workout 1*          NUTR 1 Nutrition          PCN 10 Career and Educational Planning          PCN 18 University Transfer Planning          PCN 30 Student Success &amp; the College Exp.          PSYC 12 Life-span Psychology          SOC 4 Marriage and Family Relations          SOC 7 Sociology of Sexuality          * KIN 31A-ZUM1 Maximum credit 2 units</p>
<p><b>Area E: Lifelong Learning and Self Development</b>          Complete at 3 units from below          • Veterans with DD214 honorable discharge receive a waiver for this area and 3 units toward CSU</p>			
<p>BIO 55 Orientation to Health Care (F18)          CMST 3 Group Communication (F15)          CMST 10 Interpersonal Communication          CMST 11 Intercultural Comm. (F15)          DANC 2A Jazz Dance Fund./Beginning          DANC 2B Jazz Dance Beginning/Inter.          DANC 3A Ballet Fundamentals/Beginning          DANC 4A Modern/Contemp. Dance A (F19)          DANC 4B Modern/Contemp. Dance B (F19)          DANC 5A Dance Composition 5A          DANC 5B Dance Composition 5B          DANC 6A Dance Prod.-Choreography A          DANC 6B Dance Prod.-Choreography A          ECE 54 Child Health, Safety and Nutrition          ECE 56 Child Growth and Development          FST FSC1 Fire Serv. Con. &amp; Phys. Ag. Dev.          HLTH 1 Introduction to Personal Health          HLTH 3 Women's Health          KIN 22A Science of Soccer 1          KIN 24 Sports Psychology          KIN 26A Coaching Youth Soccer          KIN 30 Introduction to Kinesiology          KIN 31A Pre-Season Inter. Men's Basketball*          KIN 31B Fall Inter. Men's Basketball*          KIN 31C Spring Inter. Men's Basketball*          KIN 31D Off Season Inter. Men's Basketball*          KIN 38A Pre-Season Inter. Men's Soccer*</p>	<p>KIN FC Fitness Center*          KIN FD Fitness Development*          KIN FL1 Flag Football 1*          KIN FL2 Flag Football 2*          KIN FL3 Flag Football 3*          KIN FNE1 Fencing - Epee 1*          KIN FNE2 Fencing - Epee 2* (F19)          KIN FNF1 Fencing - Foil 1*          KIN FNF2 Fencing - Foil 2* (F19)          KIN FW1 Fitness Walking 1*          KIN FW2 Fitness Walking 2*          KIN FW3 Fitness Walking 3*          KIN GBW Guts and Butts Workout*          KIN GF1 Golf 1*          KIN GF2 Golf 2*          KIN GF3 Golf 3*          KIN JDR1 Jujutsu - Danzan Ryu 1*          KIN JDR2 Jujutsu - Danzan Ryu 2*          KIN JDR3 Jujutsu - Danzan Ryu 3*          KIN JDR4 Jujutsu - Danzan Ryu 4*          KIN JW Jog/Walk*          KIN LG Lifeguarding*          KIN OM1 Optimal Movement 1*          KIN PF Personal Fitness*          KIN PL1 Pilates 1*          KIN PL2 Pilates 2*          KIN SD1 Salsa Dance 1*          KIN SI1 Soccer - Indoor 1*          KIN SI2 Soccer - Indoor 2*          KIN SO1 Soccer - Outdoor 1*          KIN SO2 Soccer - Outdoor 2*          KIN SW1 Swimming 1*          KIN SW2 Swimming 2*          KIN SW3 Swimming 3*          KIN SW4 Swimming 4*          KIN SWF1 Swimming for Fitness 1*          KIN SWF2 Swimming for Fitness 2*          KIN SWF3 Swimming for Fitness 3*          KIN SWF4 Swimming for Fitness 4*          KIN TK1 Tae Kwon Do 1*          KIN TK2 Tae Kwon Do 2*          KIN TK3 Tae Kwon Do 3*          KIN UF1 Ultimate Frisbee 1*          KIN UF2 Ultimate Frisbee 2*          KIN UF3 Ultimate Frisbee 3*          KIN UF4 Ultimate Frisbee 4*          KIN VB1 Volleyball Beginning*          KIN VB2 Volleyball Intermediate*</p>	<p>KIN VB3 Volleyball Advanced*          KIN WP1 Water Polo 1*          KIN WP2 Water Polo 2*          KIN WP3 Water Polo 3*          KIN WT1 Weight Training 1*          KIN WT2 Weight Training 2*          KIN WTW1 Women's Weight Training One*          KIN WTW2 Women's Circuit Training*          KIN XT1 X-Training*          KIN YO1 Yoga 1*          KIN YO2 Yoga 2*          KIN YO3 Yoga 3*          KIN YO4 Yoga 4*          KIN ZUM1 Zumba Fitness Workout 1*          NUTR 1 Nutrition          PCN 10 Career and Educational Planning          PCN 18 University Transfer Planning          PCN 30 Student Success &amp; the College Exp.          PSYC 12 Life-span Psychology          SOC 4 Marriage and Family Relations          SOC 7 Sociology of Sexuality          * KIN 31A-ZUM1 Maximum credit 2 units</p>	<p><b>American Institutions US History, Constitution, and American Ideals - CSU Graduation Requirement (NOT required to certify CSU GE-B)</b>          Complete 1 group          • Up to 6 units of these courses may also be applied to GE-B requirements in Area C2 or D if applicable.</p>
<p><b>Group 1</b></p>			
<p>HIST 7 US History Through Reconstruction          HIST 8 US History Post-Reconstruction</p>			
<p><b>Group 2</b></p>			
<p>HIST 7 US History Through Reconstruction          HIST 14 History and Am. Cultures of Calif.</p>			
<p><b>Group 3</b></p>			
<p>POLI 7 Intro. to American Government  <b>and at least 1 of the following:</b>          HIST 7 US History Through Reconstruction          HIST 8 US History Post-Reconstruction          HIST 25 American Indian History          HIST 32 U.S. Women's History</p>			

**FAQS: Frequency Asked Questions about CSU GE-B**

**Q What is the California State University General Education-Breadth (CSU GE-B)**

**A** CSU GE-B is a general education pattern which community college transfer students can follow to fulfill lower-division general education requirements for the CSU systems.

**Q Is CSU GE-B an admission requirement?**

**A** NO. If appropriate for the major, students may complete the minimum eligibility requirements for admission to a CSU – see a counselor for details and advisement.

**Q Can I use Advanced Placement (AP), International Baccalaureate (IB), and College Level Examination Program (CLEP) exams for CSU GE-B?**

**A** YES. AP, IB, and CLEP exams may be applied to CSU GE-B with passing scores. For details, see the AP, IB, and CLEP Charts in the LPC Catalog. However, application of AP, IB, and CLEP exams to major requirements can vary at each CSU campus.

**Q What is "CSU GE-B Certification" and how do I request it?**

**A** CSU GE-B certification is the process by which the community college verifies that a student has completed all of the required coursework for the CSU GE-B pattern (39 units and partial completion is possible), which is sent directly to the transfer institution. If CSU GE-B is not certified, students may be subject to the lower-division GE requirements of the campus to which they transfer. Request a CSU GE-B Certification in the Admissions & Records Office at the end of the last semester before transferring.

**Please note that Las Positas and Chabot College DO NOT share CSU GE-B or IGETC patterns. If you are interested in taking a course at Chabot College please be sure to see a counselor.**

- All courses taken to meet IGETC requirements must be completed with a grade of 'C' or better.
- Courses may be listed in more than one area but will NOT be certified more than once, unless otherwise stated.
- For a course to meet an IGETC requirement, the course must be on the IGETC pattern during the academic year it is taken.

<b>Area 1: English Communication</b> a) CSU: Select 3 courses, 1 from 1A, 1B and 1C; at least 9 units required b) UC: Select 2 courses, 1 from 1A and 1B; at least 6 units required	MUS 13 History of Rock & Roll MUS 34 Music in Film PHTO 67 History of Photography THEA 4 American Cultures in Theater THEA 10 Introduction to Dramatic Arts THEA 11 Stage to Screen THEA 12 Film As Art & Communication THEA 14 Bay Area Theatre	AJ 50 Intro to Admin of Justice (F16) AJ 60 Criminal Law (F16) AJ 66 Juvenile Procedures (F16) AJ 78 Introduction to Probation and Parole ANTR 1 Biological Anthropology ANTR 2 Introduction to Archaeology ANTR 3 Cultural Anthropology ANTR 4 Language and Culture ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Religion/Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F16) ECE 56 Child Growth and Development ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U.S. ECON 10 General Economics GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GS 1 Introduction to Global Studies* GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cult. of Calif. (F15) HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	WMST 2 Global Perspective of Women * GS 1 + SOC 5 maximum credit 1 course ** MSCM 5 + 31 maximum credit 1 course
<b>1A: English Composition</b> Select 1 course	<b>3B: Humanities</b> Select at least 1 course	ANTR 12 Magic/Religion/Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F16) ECE 56 Child Growth and Development ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U.S. ECON 10 General Economics GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GS 1 Introduction to Global Studies* GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	<b>Area 5: Physical and Biological Sciences</b> Select 1 Physical Science course, 1 Biological Science course, and 1 course with a Lab; at least 7 units required
ENG 1A Critical Reading and Composition ENG 1AEX Crit. Reading and Comp. Exp.	ASL 2A American Sign Language III ASL 2B American Sign Language IV ENG 4 Crit. Thinking & Wri. About Lit. (F16) ENG 7 Crit. Think. & Wri. Across Disc. (F16) ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 42 Lit. of the African Diaspora in Am. ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I FREN 2B Intermediate French II HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cult. of Calif. (F15) HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Religion/Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F16) ECE 56 Child Growth and Development ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U.S. ECON 10 General Economics GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GS 1 Introduction to Global Studies* GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	<b>5A: Physical Science</b> Select 1 course
<b>1B: Critical Thinking/English Composition</b> Select 1 course	ASL 2A American Sign Language III ASL 2B American Sign Language IV ENG 4 Crit. Thinking & Wri. About Lit. (F16) ENG 7 Crit. Think. & Wri. Across Disc. (F16) ENG 20 Studies in Shakespeare ENG 32 U.S. Women's Literature ENG 35 Modern American Literature ENG 41 Modern World Literature ENG 42 Lit. of the African Diaspora in Am. ENG 44 Literature of the American West ENG 45 Studies in Fiction FREN 2A Intermediate French I FREN 2B Intermediate French II HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cult. of Calif. (F15) HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Religion/Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F16) ECE 56 Child Growth and Development ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U.S. ECON 10 General Economics GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GS 1 Introduction to Global Studies* GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	ASTR 10 Intro. to Ast.: The Solar System ASTR 20 Intro. to Ast.: Stars and the Uni. CHEM 1A General College Chemistry I <sup>L</sup> CHEM 1B General College Chemistry II <sup>L</sup> CHEM 12A Organic Chemistry I <sup>L</sup> CHEM 12B Organic Chemistry II <sup>L</sup> CHEM 30A Intro to Applied Chemistry I <sup>L</sup> CHEM 30B Intro to Applied Chemistry II <sup>L</sup> CHEM 31 Intro to College Chemistry <sup>L</sup> EVST 5 Energy and Sustainability GEOG 1 Introduction to Physical Geography GEOG 8 Intro. to Atmospheric Science GEOG 12 Geography of California (F16) GEOL 1 Physical Geology GEOL 2 Historical Geology with Lab <sup>L</sup> GEOL 5 Env. Geology: Hazards & Disasters GEOL 7 Env. Geol.: Res., Use Impact & Pol. GEOL 12 Introduction to Oceanography PHYS 1A General Physics I <sup>L</sup> PHYS 1B General Physics II <sup>L</sup> PHYS 1C General Physics III <sup>L</sup> PHYS 1D General Physics IV <sup>L</sup> PHYS 2A Introduction to Physics I <sup>L</sup> PHYS 2B Introduction to Physics II <sup>L</sup> PHYS 10 Descriptive Physics
<b>1C: Oral Communication</b> Select 1 course • CSU requirement only	CMST 1 Fundamentals of Public Speaking CMST 10 Interpersonal Communication (F16) CMST 46 Argumentation and Debate	ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Religion/Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F16) ECE 56 Child Growth and Development ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U.S. ECON 10 General Economics GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GS 1 Introduction to Global Studies* GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	<b>5B: Biological Science</b> Select 1 course
<b>Area 2: Mathematical Concepts and Quantitative Reasoning</b> Select 1 course; at least 3 units required	CS 17 Discrete Mathematical Structures MATH 1 Calculus I MATH 2 Calculus II MATH 3 Multivariable Calculus MATH 5 Ordinary Differential Equations MATH 7 Elementary Linear Algebra MATH 10 Discrete Mathematical Structures MATH 30 College Algebra for STEM MATH 33 Finite Mathematics MATH 34 Calc. for Bus. and Social Sciences MATH 40 Statistics and Probability MATH 47 Mathematics for Liberal Arts	ANTR 1 Biological Anthropology ANTR 13 Intro. to Forensic Anthropology BIO 1A General Botany <sup>L</sup> BIO 1B General Zoology <sup>L</sup> BIO 1C Cell and Molecular Biology <sup>L</sup> BIO 7A Human Anatomy <sup>L</sup> BIO 7B Human Physiology <sup>L</sup> BIO 7C Microbiology <sup>L</sup> BIO 10 Intro. to the Science of Biology <sup>L</sup> BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology <sup>L</sup> BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology <sup>L</sup> BIO 60 Marine Biology <sup>L</sup> PSYC 4 Brain, Mind and Behavior	<b>5C: Laboratory Science Requirement</b> Select 1 course below or from 5A or 5B marked with an <sup>L</sup>
<b>Area 3: Arts and Humanities</b> Select 3 courses: 1 course from Arts, 1 course from Humanities, and 1 course from either area; at least 9 units required	PHIL 2 Ethics PHIL 2H Honors Philosophy 2: Ethics PHIL 3 Aesthetics PHIL 4 Intro to Philosophy: Knowledge PHIL 5 Feminist Philosophy PHIL 6 Introduction to Logic (F19) PHIL 8 Logic and Argumentation (F19) RELS 1 Religions of the World RELS 2 Bible: History and Literature RELS 3 Intro to Women's Spirituality RELS 11 The Nature of Islam SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II SPAN 21 Spanish for Bilingual Spanish Speakers I (F19) SPAN 22 Spanish for Bilingual Spanish Speakers II SPAN 23 Introduction to Hispanic Literature	ANTR 5 Cultures of the U.S. in Global Pers. ANTR 6 Anthropology of Sex and Gender ANTR 7 Native Am. Cultures of N. Am. ANTR 8 World Prehistory in Arch. Pers. ANTR 12 Magic/Religion/Witchcraft/Healing CMST 4 Intro. to Communication Studies CMST 10 Interpersonal Communication (F16) CMST 11 Intercultural Communication (F16) ECE 56 Child Growth and Development ECON 1 Principles of Microeconomics ECON 2 Principles of Macroeconomics ECON 5 Economic History of the U.S. ECON 10 General Economics GEOG 2 Cultural Geography GEOG 5 World Regional Geography GEOG 12 Geography of California (F16) GS 1 Introduction to Global Studies* GS 2 Global Issues HLTH 3 Women's Health (F15) HLTH 7 Introduction to Public Health HLTH 11 Health and Social Justice HIST 1 Western Civilization to 1600 (F15) HIST 2 Western Civilization since 1600 (F15) HIST 7 US History Through Reconst. (F15) HIST 8 US History Post-Reconstruction (F15) HIST 14 History and Am. Cultures of Calif. HIST 25 American Indian History (F16) HIST 32 U.S. Women's History (F16) HUMN 3 Introduction to Humanities HUMN 4 Global Cinemas HUMN 6 Nature and Culture HUMN 10 American Arts and Ideas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. HUMN 28 World Mythology HUMN 44 Narrative Film and Film Music MUS 34 Music in Film PHIL 1 God, Nature, Human Nature PHIL 1H Honors Philosophy 1: God, Nature, Human Nature	<b>5C: Laboratory Science Requirement</b> Select 1 course below or from 5A or 5B marked with an <sup>L</sup>
<b>3A: Arts</b> Select at least 1 course	ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art Hist. - Ancient to Med. ARHS 5 Western Art Hist. - Ren. to Cont. ARHS 7 Modern Art History ARHS 8 Asian Art History GDDM 3 The History of Modern Design HUMN 4 Global Cinemas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 8A Music Theory and Musicianship 1 MUS 8B Music Theory and Musicianship 2	ANTR 1 Biological Anthropology ANTR 13 Intro. to Forensic Anthropology BIO 1A General Botany <sup>L</sup> BIO 1B General Zoology <sup>L</sup> BIO 1C Cell and Molecular Biology <sup>L</sup> BIO 7A Human Anatomy <sup>L</sup> BIO 7B Human Physiology <sup>L</sup> BIO 7C Microbiology <sup>L</sup> BIO 10 Intro. to the Science of Biology <sup>L</sup> BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology <sup>L</sup> BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology <sup>L</sup> BIO 60 Marine Biology <sup>L</sup> PSYC 4 Brain, Mind and Behavior	<b>5C: Laboratory Science Requirement</b> Select 1 course below or from 5A or 5B marked with an <sup>L</sup>
ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art Hist. - Ancient to Med. ARHS 5 Western Art Hist. - Ren. to Cont. ARHS 7 Modern Art History ARHS 8 Asian Art History GDDM 3 The History of Modern Design HUMN 4 Global Cinemas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 8A Music Theory and Musicianship 1 MUS 8B Music Theory and Musicianship 2	<b>Area 4: Social and Behavioral Sciences</b> Select 3 courses from at least 2 different disciplines; at least 9 units required	ANTR 1 Biological Anthropology ANTR 13 Intro. to Forensic Anthropology BIO 1A General Botany <sup>L</sup> BIO 1B General Zoology <sup>L</sup> BIO 1C Cell and Molecular Biology <sup>L</sup> BIO 7A Human Anatomy <sup>L</sup> BIO 7B Human Physiology <sup>L</sup> BIO 7C Microbiology <sup>L</sup> BIO 10 Intro. to the Science of Biology <sup>L</sup> BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology <sup>L</sup> BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology <sup>L</sup> BIO 60 Marine Biology <sup>L</sup> PSYC 4 Brain, Mind and Behavior	<b>5C: Laboratory Science Requirement</b> Select 1 course below or from 5A or 5B marked with an <sup>L</sup>
ARHS 1 Introduction to Art History ARHS 2 Art of the Ancient Americas ARHS 4 Western Art Hist. - Ancient to Med. ARHS 5 Western Art Hist. - Ren. to Cont. ARHS 7 Modern Art History ARHS 8 Asian Art History GDDM 3 The History of Modern Design HUMN 4 Global Cinemas HUMN 11 Cul. & the Arts I: Anc. to Ren. HUMN 12 Cul. & the Arts II: The Mod. W. MUS 1 Introduction to Music MUS 3 World Music MUS 4 Jazz in American Culture MUS 5 American Cultures in Music MUS 6 Basic Music Skills MUS 8A Music Theory and Musicianship 1 MUS 8B Music Theory and Musicianship 2	SOC 1 Principles of Sociology SOC 3 Cultural and Racial Minorities SOC 4 Marriage and Family Relations SOC 5 Introduction to Global Studies* SOC 6 Social Problems SOC 11 Sociology of Gender SOC 12 Popular Culture SOC 13 Research Methods WMST 1 Introduction to Women's Studies	ANTR 1 Biological Anthropology ANTR 13 Intro. to Forensic Anthropology BIO 1A General Botany <sup>L</sup> BIO 1B General Zoology <sup>L</sup> BIO 1C Cell and Molecular Biology <sup>L</sup> BIO 7A Human Anatomy <sup>L</sup> BIO 7B Human Physiology <sup>L</sup> BIO 7C Microbiology <sup>L</sup> BIO 10 Intro. to the Science of Biology <sup>L</sup> BIO 20 Contemporary Human Biology BIO 30 Introduction to College Biology <sup>L</sup> BIO 40 Humans and the Environment BIO 50 Anatomy and Physiology <sup>L</sup> BIO 60 Marine Biology <sup>L</sup> PSYC 4 Brain, Mind and Behavior	<b>5C: Laboratory Science Requirement</b> Select 1 course below or from 5A or 5B marked with an <sup>L</sup>



**Intersegmental General Education Transfer Curriculum (IGETC)**

<b>Area 6: Language Other Than English - UC Requirement Only (Required to certify IGETC)</b> Proficiency in a language other than English may be met in one of the following ways: <b>1. Complete 1 of the following courses with a grade of 'C' or better</b> ASL 1A American Sign Language I ASL 1B American Sign Language II ASL 2A American Sign Language III ASL 2B American Sign Language IV FREN 1A Beginning French FREN 1B Elementary French FREN 2A Intermediate French I	FREN 2B Intermediate French II ITLN 1A Beginning Italian ITLN 1B Elementary Italian SPAN 1A Beginning Spanish SPAN 1B Elementary Spanish SPAN 2A Intermediate Spanish I SPAN 2B Intermediate Spanish II SPAN 21 Spanish for Bilingual Spanish Speakers I (F19) SPAN 22 Spanish for Bilingual Spanish Speakers II (F19) SPAN 23 Introduction to Hispanic Literature	<b>3. Demonstrating equivalent proficiency prior to transfer or AP Language &amp; Cultures exam with score of 3 or higher.</b>	<b>Group 2</b> HIST 7 US History Through Reconstruction HIST 14 History & Am. Cultures of Calif.
	<b>2. Complete 2 years of high school study in the same language, with a grade of C- or better in the final term.</b>	<b>American Institutions US History, Constitution, and American Ideals - CSU Graduation Requirement (NOT required to certify IGETC)</b> Complete 1 group <i>• Up to 6 units of these courses may also be applied to Area 3B or 4 if applicable.</i> <b>Group 1</b> HIST 7 US History Through Reconstruction HIST 8 US History Post-Reconstruction	<b>Group 3</b> POLI 7 Intro. to American Government <b>and at least 1 of the following:</b> HIST 7 US History Through Reconstruct. HIST 8 US History Post-Reconstruction HIST 25 American Indian History HIST 32 U.S. Women's History

**FAQS: Frequency Asked Questions about IGETC**
**Q What is the Intersegmental General Education Transfer Curriculum (IGETC)**

**A** IGETC is a general education pattern which community college transfer students can follow to fulfill lower-division general education requirements for either the UC or CSU systems. This pattern is advisable for students who are undecided about their transfer goals because it keeps their options open. Many private/independent colleges/universities also recognize or accept IGETC (see a counselor for details).

**Q Is IGETC an admission requirement?**

**A** NO. There is no connection between completion of IGETC and eligibility for admission to the CSU or UC system.

**Q What alternatives to IGETC exist?**

**A** Community college students who are CSU-bound have the option to complete the CSU General Education Breadth requirements. Students who are UC-bound have the option of completing the general education requirements of the destination UC campus or the minimum UC transfer admission requirements as listed on ASSIST.org > select Las Positas College and UC Transfer Admission Eligibility Courses.

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

**A** NO. Not all majors should follow IGETC. Students pursuing majors that require extensive lower-division major preparation (i.e. Engineering) may not find IGETC advantageous, and the transfer institution may advise following the minimum UC eligibility requirements listed on ASSIST.org > select Las Positas College and UC Transfer Admission Eligibility Courses.

**Q What are the minimum UC Transfer Eligibility Requirements for junior-level transfer students?**

- 60 UC transferable units
- 2.4 cumulative GPA (impacted campuses and majors may require higher GPAs)
- No more than 14 semester units taken Pass/Not Pass (P/NP)
- 7 UC transferable GE courses as follows:
  - 2 courses in English composition (IGETC Area 1 – please see a counselor for details)
  - 1 course in Mathematical Concepts and Quantitative Reasoning (IGETC Area 2)
  - 4 courses chosen from at least 2 of the following subject areas (see IGETC for approved courses):
    - Arts and Humanities
    - Social and Behavioral Sciences
    - Physical and Biological Sciences

**Q Will all UC and CSU campuses accept IGETC?**

**A** NO, for example UC Berkeley's Haas School of Business and Engineering will NOT accept IGETC.

**Q Can I use Advanced Placement (AP) and International Baccalaureate (IB) exams for IGETC?**

**A** YES. AP and IB exams may be applied to IGETC with passing scores. For details, see the AP and IB Charts in the LPC Catalog. However, application of AP and IB exams to major requirements can vary at each UC campus.

**Q What is "IGETC Certification" and how do I request it?**

**A** IGETC certification is the process by which the community college verifies that a student has completed all of the required coursework for the IGETC pattern (11 courses/34 units where Area 1C is not required and partial completion is also possible), which is sent directly to the transfer institution. If IGETC is not certified, students may be subject to the lower-division general education requirements of the campus to which they transfer. Request an IGETC Certification in the Admissions & Records at the end of the last semester before transferring.

**Please note that Las Positas and Chabot College DO NOT share CSU GE-B or IGETC patterns. If you are interested in taking a course at Chabot College please be sure to see a counselor.**

Careers and emerging trends in the field will be evaluated. Strongly Recommended: CIS 54 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 11 DATA VISUALIZATION TOOLS 3 UNITS**

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Data visualization is the process of representing information graphically. This course provides a hands-on introduction to various data visualization tools such as Tableau, Excel, Power BI, R Studio. Students use repositories of data for preparation that includes: data formatting, filtering and cleaning. Design principles are applied to create meaningful displays of quantitative and qualitative data to facilitate managerial decision-making. Strongly Recommended: CIS 54 with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 44 IT FUNDAMENTALS+ 2 UNITS**

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Information Technology Fundamentals+ (ITF+) is the essential qualification for exploring a career in IT. This course will cover the topics of the CompTIA IT Fundamentals certification, which validates the knowledge and skills required to identify and explain the basics of computing hardware and software, IT infrastructure, applications and software, software development concepts, database fundamentals, and security. Technologies and trends of the IT industry and the exploration of IT careers. This course will prepare you to take the CompTIA certification exam. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 81A INTRODUCTION TO CLOUD COMPUTING 3 UNITS**

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This course introduces cloud computing which shifts information systems from on premises computing infrastructure to highly scalable internet architectures using current cloud platforms such as AWS, AZURE. The course provides a basic understanding of cloud computing technologies and provides students with the understanding required to effectively evaluate and assess the business and technical benefits of cloud computing and cloud applications. Students analyze a variety of cloud services (storage, servers, software applications), then learn to configure, deploy, and manage cloud facilities. The course also demonstrates/makes available the AWS and/or AZURE platforms for educational, industry career path guidance and career opportunities. This course surveys cloud careers and explores industry demand for cloud skills. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 81B DATABASE ESSENTIALS IN THE CLOUD 3 UNITS**

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This course addresses cloud database management which supports a number of different approaches for storing data. In the course, students define, operate and scale both SQL and noSQL data storage solutions. This course considers factors that should be balanced during the design of a storage solution. Principles are applied by performing exercises using Amazon RDS and SQL to create and fill tables, retrieve and manipulate data. Object-based APIs are used to serialize objects to Amazon DynamoDB for noSQL solutions. Topics include automated backups, transaction logs, restoration and

retention. Strongly Recommended: CIS 81A with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 81C COMPUTE ENGINES FOR CLOUD COMPUTING 3 UNITS**

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In this course, students explore how cloud computing systems are built using a common set of core technologies, algorithms, and design principles centered around distributed systems. Students will use current cloud platforms such as AWS, AZURE to provision, load-balance and scale their applications. The course discusses, from a developer perspective, the most important reasons for using cloud computing and examines the underlying design principles of scalable cloud applications. Strongly Recommended: CIS 81A with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 81D SECURITY SERVICES IN THE CLOUD 3 UNITS**

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This course focuses on protecting the confidentiality, integrity and availability of computing systems and data. Students learn how Amazon Web Service (AWS) uses redundant and layered controls, continuous validation and testing, and a substantial amount of automation to ensure the underlying infrastructure is continuously monitored and protected. Students examine the AWS Shared Responsibility Model and access the AWS Management Console to learn more about security tools and features provided by the AWS platform. Strongly Recommended: CIS 81A with a minimum grade of C. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 82A AWS CLOUD PRACTITIONER CERTIFICATION PREP 2 UNITS**

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This introductory course provides an overview of cloud concepts, Amazon Web Services (AWS) core services, basic security, architecture principles, pricing, and technical support. Students gain an overall understanding of the AWS Cloud, independent of specific technical roles. Review of core characteristics of deploying and operating in the AWS Cloud. This course prepares students to pursue becoming an AWS Certified Cloud Practitioner using official AWS Academy Cloud Foundations material. Strongly Recommended: CIS 81A with a minimum grade of C. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**CIS 82B AWS ACADEMY SOLUTIONS ARCHITECTURE CERTIFICATION PREP 2 UNITS**

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This course focuses on teaching technical expertise in cloud computing and the skills needed to pursue AWS Certified Solutions Architect - Associate certification. This course is delivered through lectures, hands-on labs, and project work. Students have access to course manuals, online knowledge assessments, hands-on labs, practice certification exam, and discount voucher for the certification exam. Strongly Recommended: CIS 82A with a minimum grade of C. 36 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**ENGR 50 INTRODUCTION TO ELECTRONIC SYSTEMS AND MEASUREMENTS 4 UNITS**

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Introduction to electrical and electronic systems and circuits. Overview of digital and analog electronics, semiconductor devices and software tools. Direct current and alternating current circuit analysis including Ohm's law and Kirchhoff's laws. Measurement and characterization of electronic systems, data collection, and reporting results. Comparing system and component performance to published specifications and developing troubleshooting techniques. Laboratory practice includes operation and proper use of standard test instruments. Prerequisite: MATH 39 with a minimum grade of C. 36 hours lecture, 108 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

**ESL 100 BEGINNING SPELLING FOR ENGLISH LANGUAGE LEARNERS 1 UNIT**

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This is a one semester beginning spelling class, designed to enable English language learners to recognize and use beginning sound/spelling patterns in English, develop an understanding of the sounds and symbols of English, including open/closed syllables, short and long vowel sounds, consonant and consonant cluster sounds, as well as the spelling of homophones and other problem words in everyday English. The course will also focus on basic dictionary skills to improve student autonomy. 18 hours lecture.

Non-Degree Applicable, Credit Grading Option: P/NP

**ESL 110 BEGINNING VOCABULARY SKILLS FOR ENGLISH LANGUAGE LEARNERS 1 UNIT**

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This is a beginning level vocabulary skills class, designed to enable English language learners to improve language proficiency by learning new vocabulary and developing vocabulary-building skills. The class will focus on the 0-1000 most common words in English, dictionary skills, and beginning morphology including prefixes, suffixes and roots. 18 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

**ESL 115 INTERMEDIATE VOCABULARY SKILLS FOR ENGLISH LANGUAGE LEARNERS 1 UNIT**

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This is an intermediate level vocabulary skills class, designed to enable English language learners to improve language proficiency by learning new vocabulary and developing vocabulary-building skills. The class will focus on the 1000-2000 most common words in English, dictionary skills, and intermediate morphology including prefixes, suffixes and roots. Prerequisite: NESL 231B with a minimum grade of P or ESL 131B with a minimum grade of P or Placement into intermediate ESL through the ESL assessment process. 18 hours lecture, 18 hours laboratory.

Non-Degree Applicable, Credit Grading Option: P/NP

**FST 24 CO 2E WILDLAND INCIDENT OPERATIONS FOR COMPANY OFFICERS 2.5 UNITS**

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This course provides information on evaluating and reporting

incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports. Prerequisite: Must be a current fire fighter and meet educational requirements for Firefighter 1 and Firefighter 2 certifications. 45 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**FST 25 INSTRUCTOR I 2.5 UNITS**

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Provides skills and knowledge needed for entry-level professional instructor to perform his or her duties safely, effectively, and competently. The curriculum is based on the 2012 edition of NFPA 1041 Standard for Fire Service Instructor Professional Qualifications. At the end of this course, candidates for Instructor I certification will be able to teach and deliver instruction from a prepared lesson plan utilizing instructional aids and evaluation instruments. The Instructor I will also be able to adapt a lesson plan and complete the reporting requirements to the local jurisdiction. Prerequisite: Must be a current fire fighter and meet educational requirements for Firefighter 1 and Firefighter 2 certifications. 45 hours lecture. Transfer: CSU; C-ID# FIRE 250X.

Degree Applicable, Credit Grading Option: OP

**MATH 67 MATH JAM FOR CALCULUS II 0.5 UNITS**

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Math Jam for Calculus II is a credit course for students preparing for Calculus II. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning basic skills and transfer-level material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course are enrolled in a calculus course. 27 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 67C CONCURRENT SUPPORT FOR CALCULUS II 1 UNIT**

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This course offers structured support to students who are concurrently enrolled in Calculus II. The support course includes material to prepare students for the rigor of the calculus course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic, geometric and trigonometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 2. 54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 68 MATH JAM FOR CALCULUS III 0.5 UNITS**

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Math Jam for Calculus III is a credit course for students preparing for Calculus III. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning basic skills and transfer-level material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course are enrolled in a calculus course. 27 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 68C CONCURRENT SUPPORT FOR CALCULUS III 1 UNIT**

This course offers structured support to students who are concurrently enrolled in Calculus III. The support course includes material to prepare students for the rigor of the calculus course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic, geometric and trigonometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 3. 54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 156 GEOMETRY 3 UNITS**

Topics in plane geometry include: congruence, similarity, parallel lines, and properties of polygons and circles. Prerequisite: MATH 110 with a minimum grade of C or NMAT 210 with a minimum grade of C. 54 hours lecture.

Non-Degree Applicable, Credit Grading Option: OP

**THEA 54 SHAKESPEARE THROUGH PERFORMANCE 3 UNITS**

Study and performance of classical Shakespearean texts (monologues and dialogues), with a focus on the Elizabethan world as it applies to performance. Students will come to understand the works of William Shakespeare through active performance techniques as well as traditional literary analysis. Prerequisite: THEA 1A with a minimum grade of C. Strongly Recommended: THEA 1B with a minimum grade of C. 54 hours lecture. Transfer: CSU, UC.

Degree Applicable, Credit Grading Option: OP

**THEA 55 MOVEMENT FOR THE ACTOR 1 UNIT**

Movement for the Actor is designed to use movement and gesture for furthering skills in character development, enhancing the actor's understanding of their body as a tool for communication. This course focuses on the actor's body and mind connection, and how they might use that connection to further enhance their performance skills. Course included exercises based on various techniques including an introduction to mime, Laban, Viewpoints, character masks, and ensemble development exercises. 18 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: GR

**New Noncredit Courses**

**NBUS 200 COMMUNICATION IN THE WORKPLACE 0 UNITS**

This course introduces the key elements for communication in the professional workplace, and is beneficial for students seeking to improve their interpersonal communication skills. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 201 WRITING SKILLS FOR MANAGERS 0 UNITS**

This course is designed to provide students with the skills necessary to effectively write various business documents. This course is beneficial

for students seeking to improve their written communication skills in the workplace. Not applicable to associate degree. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 202 ATTITUDE IN THE WORKPLACE 0 UNITS**

This course introduces the key elements for attitude in the professional workplace. This course is beneficial for students seeking to improve their ability to communicate a positive attitude while at work. Not applicable to associate degree. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 203 DECISION MAKING AND PROBLEM SOLVING 0 UNITS**

This noncredit course introduces the key elements for decision making and problem solving in the professional workplace. This course is beneficial for students seeking to improve their decision making and problem solving skills. Not applicable to associate degree. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 204 MANAGING ORGANIZATIONAL CHANGE 0 UNITS**

This noncredit course introduces the key elements for managing organizational change in the professional workplace. This course is beneficial for students seeking to improve their understanding of how to manage organizational change. Not applicable to associate degree. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 205 TEAM BUILDING 0 UNITS**

This course is designed to provide students with an understanding of how teams work together, and common problems teams encounter and how to solve them. Not applicable to associate degree. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 206 TIME MANAGEMENT 0 UNITS**

This course is designed to introduce students to time management principles and specific tools that assist in making the most efficient use of time. This course is beneficial for students seeking to improve their time management skills. Not applicable to associate degree. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 207 CONFLICT RESOLUTION 0 UNITS**

This course is designed to introduce students to the meaning of conflict, the causes of conflict, and strategies for resolving interpersonal conflict. This course is beneficial for students seeking to improve their conflict resolution skills. Not applicable to associate degree. 9 hours.

Non-Degree Applicable, Noncredit Grading Option: OP

**NBUS 208 STRESS MANAGEMENT IN THE WORKPLACE 0 UNITS**

This course is designed to acquaint students with key elements of stress management in the workplace. This course is beneficial for



communication and expression in all visual fields. Covers key color systems and their relevance to graphic and other visual arts and creative and technical aspects of color. Students who have completed, or are enrolled in, GDDM 51 may not receive credit. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 270.

Degree Applicable, Credit Grading Option: OP

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**BUSN 45 ENTREPRENEURSHIP 3 UNITS**

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This course is designed for students who are interested in starting an entrepreneurial venture or new business. This course will cover the process of successfully launching, managing and growing their idea, emphasizing opportunity recognition and feasibility analysis. A practical study of the creation and essential skills required to start and grow an entrepreneur venture. It will also cover important topics such as developing a competitive advantage, protecting intellectual property and obtaining venture capital financing. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**DANC 6A CHOREOGRAPHY FOR THE STAGE A 2 UNITS**

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Exploration of choreographic principles along with stage presentation leading to a full-length concert. Participation in dance works either as a choreographer or performer. Minimal participation in technical and business aspects of production. Strongly Recommended: DANC 5A with a minimum grade of C or DANC 5B with a minimum grade of C. 108 hours laboratory. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

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**DANC 6B CHOREOGRAPHY FOR THE STAGE B 2 UNITS**

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Choreograph dance works specifically for a full length stage production. Involved participation in the technical, creative and business aspects of stage production. Strongly Recommended: DANC 5A with a minimum grade of C or DANC 5B with a minimum grade of C. 108 hours laboratory. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

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**ENGR 35 STATICS 3 UNITS**

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A first course in engineering mechanics: properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Optional additional topics include fluid statics and cables. Prerequisite: PHYS 1A with a minimum grade of C, MATH 2 with a minimum grade of C. Strongly Recommended: ENGR 22 with a minimum grade of C. 36 hours lecture, 54 hours laboratory. Transfer: CSU, UC; C-ID# ENGR 130.

Degree Applicable, Credit Grading Option: GR

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**FST 20 CO 2A HUMAN RESOURCE MANAGEMENT FOR COMPANY OFFICERS 2.5 UNITS**

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This course provides information on the use of human resources to accomplish assignments, evaluating member performance, supervising personnel, and integrating health and safety plans,

policies, and procedures into daily activities as well as the emergency scene. This is a required course for any Firefighter within State Fire Training and certification track who is seeking promotion to the rank of Company Officer. This course follows all applicable mandates and content as identified by the CSFM State Fire Training description. Prerequisite: Must be a current fire fighter and meet educational requirements for Firefighter 1 and Firefighter 2 certifications. 45 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**FST 21 CO 2B GENERAL ADMINISTRATIVE FUNCTIONS FOR COMPANY OFFICERS 1.5 UNITS**

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This course provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. Prerequisite: Must be a current fire fighter and meet educational requirements for Firefighter 1 and Firefighter 2 certifications. 27 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**FST 22 CO 2C FIRE INSPECTIONS AND INVESTIGATION FOR COMPANY OFFICERS 2.5 UNITS**

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This course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. This course is a requirement for aspiring Firefighters seeking promotion as a company officer. Prerequisite: Must be a current fire fighter and meet educational requirements for Firefighter 1 and Firefighter 2 certifications. 45 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

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**FST 23 CO 2D ALL-RISK COMMAND OPERATIONS FOR COMPANY OFFICERS 2.5 UNITS**

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This course provides information on conducting incident size-up; developing and implementing an initial plan of action involving single and multi-unit operations for various types of emergency incidents to mitigate the situation following agency safety procedures; conducting pre-incident planning; and develop and conduct a post incident analysis. Prerequisite: Must be a current fire fighter and meet educational requirements for Firefighter 1 and Firefighter 2 certifications. 45 hours lecture. Transfer: CSU; C-ID# FIRE 230X.

Degree Applicable, Credit Grading Option: OP

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**GDDM 45B DIGITAL PAINTING II 3 UNITS**

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Students will build upon the fundamental techniques of digital painting. Students will create paintings from references as well as from imagination, paying close attention to lighting and color. Course will focus on development of style for commercial illustration. Prerequisite: GDDM 45A with a minimum grade of C. Strongly Recommended: GDDM 53 with a minimum grade of C, ARTS 2A with a minimum grade of C. 27 hours lecture, 81 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**GDDM 51 COLOR THEORY 3 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 and creative and technical aspects of color. Students who have completed, or are enrolled in, ARTS 26 may not receive credit. 27 hours lecture, 81 hours laboratory. Transfer: CSU, UC; C-ID# ARTS 270.

Degree Applicable, Credit Grading Option: OP

**GDDM 70 PHOTOSHOP AND LIGHTROOM FOR PHOTOGRAPHERS 3 UNITS**

Learn to use Lightroom and Photoshop in a workflow designed for digital photographers. Learn Best practices for digital workflows, database management, non-destructive parametric editing, color management, and output to print, web, slideshows, and photo book. Students who have completed, or are enrolled in, PHTO 70 may not receive credit. Strongly Recommended: PHTO 56 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**KIN 26 COACHING YOUTH SOCCER 3 UNITS**

This course is intended for those with an interest in coaching youth soccer. It will examine philosophies developed by US and European National Soccer Associations. The purpose is to explore best practices and age-appropriate activities, thereby enhancing the learning experience of the youth soccer participant. 54 hours lecture. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

**KIN LG LIFEGUARDING 1.5 UNITS**

This course is designed to provide the students with the knowledge and skills to prevent, recognize and respond to emergencies and to provide care for injuries and sudden illness until emergency medical services arrive and take over. Upon successful completion of the Lifeguarding course requirements and exams, students will earn American Red Cross certificates. The Lifeguarding/First Aid certificates are valid for three (3) years, and the CPR/AED portion is valid for one (1) year. The student must be 15 years of age on or before the final scheduled session of the course. Strongly Recommended: KIN SWF1 with a minimum grade of C. 18 hours lecture, 27 hours laboratory. AA/AS GE. Transfer: CSU, UC; CSU GE: E.

Degree Applicable, Credit Grading Option: OP

**MATH 66 MATH JAM FOR CALCULUS I 0.5-1 UNITS**

Math Jam for Calculus I is a credit course for students preparing for Calculus I. Embedded are essential study and life skills to develop each student holistically, including career development. Students will be learning basic skills and transfer-level material with the goal of preparing them to be successful in their upcoming class. It is strongly recommended that students taking this course are enrolled in a calculus course. 27-54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MATH 66C CONCURRENT SUPPORT FOR CALCULUS I 1 UNIT**

This course offers structured support to students who are concurrently enrolled in Calculus I. The support course includes material to prepare students for the rigor of the calculus course by teaching learning skills necessary to succeed in college courses as well as review of relevant prerequisite algebraic, geometric and trigonometric concepts, and more in-depth investigation of core concepts in their concurrent math course. Corequisite: MATH 1. 54 hours laboratory.

Degree Applicable, Credit Grading Option: P/NP

**MKTG 56 MARKETING STRATEGIES 3 UNITS**

Current marketing trends, strategies, and techniques. Introduction to online and social media marketing. The promotional process and techniques in the development of effective content creation and branding. Advanced theories, principles, and practices of customer service, customer loyalty, and the customer experience. 54 hours lecture. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**MUS 38 APPLIED LESSONS 1 UNIT**

Individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. Enrollment subject to a standardized audition demonstrating basic competencies in technique and musicianship in their major performance medium. Concurrent enrollment in one music theory class (MUS 8A, MUS 8B, MUS 10A or MUS 10B) and one performing ensemble (MUS 12, MUS 14, MUS 15, MUS 16, MUS 44, MUS 45, MUS 46A, MUS 46B, or MUS 48). Corequisite: MUS 8A or MUS 8B or MUS 10A or MUS 10B and MUS 12 or MUS 14 or MUS 15 or MUS 16 or MUS 44 or MUS 45 or MUS 46A or MUS 46B or MUS 48. 54 hours laboratory. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**PHTO 70 PHOTOSHOP AND LIGHTROOM FOR PHOTOGRAPHERS 3 UNITS**

Learn to use Lightroom and Photoshop in a workflow designed for digital photographers. Learn Best practices for digital workflows, database management, non-destructive parametric editing, color management, and output to print, web, slideshows, and photo book. Students who have completed, or are enrolled in, PHTO 70 may not receive credit. Strongly Recommended: PHTO 56 with a minimum grade of C. 27 hours lecture, 81 hours laboratory. AA/AS GE. Transfer: CSU.

Degree Applicable, Credit Grading Option: OP

**THEA 4 MODERN AMERICAN THEATER 3 UNITS**

The history, representation and contributions of various works of Modern American Theater and the study of Modern American theater as an instrument for expressing and understanding cultural identity. The focus will be on at least three of the following cultural groups: African Americans, Asian Americans, European Americans, Latin Americans and Native Americans. Strongly Recommended: ENG 1A with a minimum grade of C. 54 hours lecture. AA/AS GE. Transfer: CSU, UC; CSU GE: C1; IGETC: 3A.

Degree Applicable, Credit Grading Option: GR

## Articulation

**ARHS 1 (Introduction to Art History)- C-ID# ARTH 100**

**ECE 90 (Practicum - Supervised Experience)- C-ID# ECE 210**

**ENG 1AEX (Critical Reading and Composition Expanded)- C-ID# ENGL 100**

**MUS 17B (Jazz Combo 2)- C-ID# MUS 185**

**THEA 47A (Performance in Production: Introduction to Live Performance)- C-ID# THTR 191**