

## 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 • Complete with a grade of 'C' or higher or 'P'	higher, an IB score of 4 or higher, or a CLEP score of 50 or higher.	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>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>	<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 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 French FREN 1B Elementary French 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	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	ANTR 14 Intro. to Archaeological History of Mesoamerica 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 10 Design and Materials 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 7 Contemporary Humanities 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 33 Study of Voice
<b>Mathematics</b> Proficiency in Mathematics may be met in one of the following ways:	<b>Natural Sciences</b> Select at least 1 course; at least 3 units required	
<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>	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 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 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	

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

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

<p>MUS 34 Music in Film MUS 37 Music Industry Career Development MUS 38 Applied Lesson 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 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 ANTR 14 Introduction to the Arch. History of Mesopo. BUSN 18 Business Law BUSN 20 International Business BUSN 30 Business Ethics and Society CMST 3 Group Communication ECE 15 Abnormal Child Psychology 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 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</p>	<p>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><b>Program-Based General Education Requirement</b> At least 3 units required 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>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><b>Social and Behavioral Sciences</b> Select 1 course; at least 3 units required 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</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 FST FSC2 Fire Service Con. &amp; Phys. Agility Development 2 Any Kinesiology Intercol. Athletics Course (KIN 31A-65) Any Kinesiology Activity Course (KIN AAE-ZUM1)</p>
<p><b>Graduation Requirements</b></p>		
<p>1. Complete a minimum of 60 units with a cumulative grade point average of 2.0 or better. 2. Complete a minimum of 12 units at Las Positas College. 3. Complete all General Education (GE) Requirements for the Associate of Science Degree. 4. Select a major and complete all major requirements plus GE and electives to total 60 units. 5. All courses required for the Major must be completed with a 'C' or 'P.'</p>		