

Associate of Science (AS) Degree General Education Pattern

- 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.

Area I. Language and Rationality (at least 6 units required with at least 1 course each from English Composition and Communication and Analytical Thinking)

IA - English Composition (at least 3 units required) *Complete with a grade of 'C' or higher or 'P'*

ENG 1A Critical Reading and Composition ENG 1AEX Critical Reading and Composition Expanded

IB - Communication and Analytical Thinking (at least 3 units required)

ASL 1A American Sign Language I	CS 1 Computing Fundamentals I	MATH 34 Business Calculus
ASL 1B American Sign Language II	CS 17 Discrete Mathematical Structures	MATH 39 Trigonometry
BUSN 33 Personal Financial Management and Planning	CS 43 Professional Communications	MATH 40 Statistics and Probability
BUSN 48 Human Relations in Organizations	FREN 1A Beginning French	MATH 47 Mathematics for Liberal Arts
BUSN 52 Business Communications	FREN 1B Elementary French	MATH 55 Intermediate Algebra
CIS 7 Introduction to Programming Concepts and Methodologies	JAMS 11 Introduction to Reporting & Newswriting	PHIL 6 Introduction to Logic
CIS 43 Professional Communications	MATH 1 Calculus I	PHIL 8 Logic and Argumentation
CIS 50 Introduction to Computing Information Technology	MATH 2 Calculus II	SPAN 1A Beginning Spanish
CMST 1 Fundamentals of Public Speaking	MATH 3 Multivariable Calculus	SPAN 1B Elementary Spanish
CMST 2 Oral Interpretation of Literature	MATH 5 Ordinary Differential Equations	SPAN 21 Spanish for Spanish Speakers I
CMST 4 Introduction to Communication Studies	MATH 7 Elementary Linear Algebra	SPAN 22 Spanish for Spanish Speakers II
CMST 10 Interpersonal Communication	MATH 10 Discrete Mathematical Structures	SPAN 23 Introduction to Hispanic Literature
CMST 46 Argumentation and Debate	MATH 27 Number Systems for Educators	THEA 3A Beginning Improvisation
CMST 48 Activities in Forensics	MATH 30 College Algebra for STEM	THEA 25 Fundamentals of Stage Speech
CNT 43 Professional Communications	MATH 33 Finite Mathematics	

Area II. Natural Sciences (at least 3 units required)

ANTR 1 Biological Anthropology	BIO 60 Marine Biology	GEOL 1L Physical Geology Laboratory
ANTR 1L Biological Anthropology Lab	BIO 70 Field Biology	GEOL 2 Historical Geology
ANTR 2L Archaeology Field Laboratory	CHEM 1A General College Chemistry I	GEOL 5 Environmental Geology: Hazards & Disasters
ANTR 13 Introduction to Forensic Anthropology	CHEM 1B General College Chemistry II	GEOL 7 Environmental Geology: Resources, Use Impact & Pollution
ASTR 30L Introduction to Astronomy Laboratory	CHEM 6 Environmental Chemistry	GEOL 12 Introduction to Oceanography
ASTR 31 Introduction to Astronomy: The Solar System	CHEM 12A Organic Chemistry I	GEOL 12L Introduction to Oceanography Laboratory
ASTR 32 Introduction to Astronomy: Stars and the Universe	CHEM 12B Organic Chemistry II	GEOL 20 Earth Science for Educators
BIO 1A General Botany	CHEM 30A Introductory and Applied Chemistry I	PHYS 1A General Physics I
BIO 1B General Zoology	CHEM 30B Introductory and Applied Chemistry II	PHYS 1B General Physics II
BIO 1C Cell and Molecular Biology	CHEM 31 Introduction to College Chemistry	PHYS 1C General Physics III
BIO 7A Human Anatomy	EVST 5 Energy and Sustainability	PHYS 1D General Physics IV
BIO 7B Human Physiology	EVST 5L Energy and Sustainability Laboratory	PHYS 2A Introduction to Physics I
BIO 7C Microbiology	GEOG 1 Introduction to Physical Geography	PHYS 2B Introduction to Physics II
BIO 10 Introduction to the Science of Biology	GEOG 1L Introduction to Physical Geography Laboratory	PHYS 10 Descriptive Physics
BIO 20 Contemporary Human Biology	GEOG 8 Introduction to Atmospheric Science	PHYS 10L Descriptive Physics Laboratory
BIO 30 Introduction to College Biology	GEOG 12 Geography of California	PSYC 4 Brain, Mind and Behavior
BIO 40 Humans and the Environment	GEOG 15 Introduction to GIS	
BIO 50 Anatomy and Physiology	GEOL 1 Physical Geology	

Area III. Humanities (at least 3 units required)

ASL 2A American Sign Language III	GDDM 3 History of Graphic Design	MUS 37 Music Business
ASL 2B American Sign Language IV	GDDM 70 Photoshop and Lightroom for Photographers	MUS 38 Applied Lessons
ARHS 1 Introduction to Art History	HIST 1 Western Civilization to 1600	MUS 44 Concert Choir
ARHS 2 Art of the Ancient Americas	HIST 2 Western Civilization since 1600	MUS 45 Chamber Choir
ARHS 3 Arts of Africa, Oceania, & Indigenous North Americas	HIST 3 World History to 1500	MUS 46 Vocal Jazz Ensemble
ARHS 4 Western Art History - Ancient to Medieval	HIST 4 World History since 1500	PHIL 1 God, Nature, Human Nature
ARHS 5 Western Art History - Renaissance to Contemporary	HIST 7 US History Through Reconstruction	PHIL 2 Ethics
ARHS 7 Modern Art History	HIST 8 US History Post-Reconstruction	PHIL 3 Aesthetics
ARHS 8 Asian Art History	HIST 14 History and American Cultures of California	PHIL 4 Intro to Philosophy: Knowledge
ARTS 2A Introduction to Drawing	HIST 25 American Indian History	PHIL 5 Feminist Philosophy
ARTS 3A Figure and Composition I	HIST 28 History of the American West	PHIL 6 Introduction to Logic
ARTS 4A Introduction to Ceramics	HIST 32 U.S. Women's History	PHIL 8 Logic and Argumentation
ARTS 7A Introduction to Watercolor Painting	HUMN 2 Introduction to Film Studies	PHTO 67 History of Photography
ARTS 12A Oil/Acrylic Painting: Beginning I	HUMN 3 Introduction to Humanities	PHTO 70 Photoshop and Lightroom for Photographers
ARTS 23 2-D Design	HUMN 4 Global Cinemas	RELS 1 Religions of the World
CMST 2 Oral Interpretation of Literature	HUMN 6 Nature and Culture	RELS 2 Bible: History and Literature
CMST 5 Readers Theater	HUMN 10 American Arts and Ideas	RELS 3 Introduction to Women's Spirituality
CMST 11 Intercultural Communication	HUMN 11 Culture and the Arts I: Ancient World to Renaissance	RELS 11 Introduction to Islam
ECE 61 Literature for the Young Child	HUMN 12 Culture and the Arts II: The Modern World	SPAN 2A Intermediate Spanish I
ENG 4 Critical Thinking and Writing About Literature	HUMN 28 World Mythology	SPAN 2B Intermediate Spanish II
ENG 7 Critical Thinking and Writing Across Disciplines	MUS 1 Introduction to Music	SPAN 21 Spanish for Spanish Speakers I
ENG 11 Introduction to Creative Writing	MUS 3 World Music	SPAN 22 Spanish for Spanish Speakers II
ENG 12A Craft of Writing Fiction	MUS 4 Jazz in American Culture	SPAN 23 Introduction to Hispanic Literature
ENG 12B Craft of Writing Fiction: Intermediate	MUS 5 American Cultures in Music	THEA 1A Theory/Practice of Acting I
ENG 12C Craft of Writing Fiction: Advanced	MUS 6 Basic Music Skills	THEA 1B Theory/Practice of Acting II
ENG 13A The Craft of Writing Poetry: Beginning	MUS 8A Music Theory and Musicianship 1	THEA 4 Modern American Theater
ENG 13B The Craft of Writing Poetry: Intermediate	MUS 8B Music Theory and Musicianship 2	THEA 5 Theater for Young Audiences
ENG 20 Studies in Shakespeare	MUS 13 History of Rock & Roll	THEA 10 Introduction to Dramatic Arts
ENG 32 U.S. Women's Literature	MUS 14 Jazz Workshop	THEA 11 Stage to Screen
ENG 35 Modern American Literature	MUS 19 Studies in Music Composition	THEA 14 Bay Area Theater
ENG 41 Modern World Literature	MUS 20A Elementary Guitar	THEA 52 Introduction to Design
ENG 42 Literature of the African Diaspora in America	MUS 21A Beginning Piano	WLDT 71 Welding for the Arts
ENG 44 Literature of the American West	MUS 23A Elementary Voice	
ENG 45 Studies in Fiction	MUS 34 Music in Film	

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Area IV. Social and Behavioral Sciences (at least 3 units required)

AJ 50 Introduction to Administration of Justice	ETHS 5 Psychology of Race and Identity	PCN 5 Introduction to Social Work & Human Services
AJ 56 Fundamentals of Crime and Delinquency	ETHS 6 Introduction to Race and Ethnicity	PCN 13 Multicultural Issues in Contemporary America
AJ 60 Criminal Law	ETHS 10 Introduction to African American and Black Studies	POLI 7 Introduction to American Government
AJ 66 Juvenile Procedures	ETHS 20 Introduction to Asian American and Pacific Islander American Studies	POLI 12 Introduction to California State and Local Government
AJ 78 Introduction to Probation and Parole	ETHS 30 Introduction to Chicana and Latinx Studies	POLI 20 Comparative Government
ANTR 1 Biological Anthropology	ETHS 40 Introduction to Native American and Indigenous Studies	POLI 25 Introduction to Political Theory
ANTR 2 Introduction to Archaeology	GEOG 1 Introduction to Physical Geography	POLI 26 Introduction to Gender, Sexuality, and Politics
ANTR 3 Cultural Anthropology	GEOG 2 Cultural Geography	POLI 30 International Relations
ANTR 4 Language and Culture	GEOG 5 World Regional Geography	PSYC 1 General Psychology
ANTR 5 Cultures of the U.S. in a Global Perspective	GEOG 12 Geography of California	PSYC 3 Introduction to Social Psychology
ANTR 6 Anthropology of Sex and Gender	GEOG 15 Introduction to GIS	PSYC 4 Brain, Mind and Behavior
ANTR 7 Native American Cultures of North America	GS 1 Introduction to Global Studies	PSYC 6 Abnormal Psychology
ANTR 8 World Prehistory in an Archaeological Perspective	GS 2 Global Issues	PSYC 12 Life-span Psychology
ANTR 12 Magic/Religion/Witchcraft/Healing	HEA 3 Women's Health	PSYC 13 Psychology of Women
ANTR 13 Introduction to Forensic Anthropology	HEA 7 Introduction to Public Health	PSYC 15 Abnormal Child Psychology
BUSN 18 Business Law	HEA 11 Health and Social Justice	PSYC 17 The Psychology of Sleep and Dreams
BUSN 20 International Business	HIST 1 Western Civilization to 1600	PSYC 21 Psychology of Race and Identity
BUSN 30 Business Ethics and Society	HIST 2 Western Civilization since 1600	PSYC 25 Research Methods
CMST 3 Group Communication	HIST 3 World History to 1500	PSYC 27 Introduction to Cognitive Science
CMST 4 Introduction to Communication Studies	HIST 4 World History since 1500	SOC 1 Principles of Sociology
CMST 10 Interpersonal Communication	HIST 7 US History Through Reconstruction	SOC 3 Introduction to Race and Ethnicity
CMST 11 Intercultural Communication	HIST 8 US History Post-Reconstruction	SOC 4 Marriage and Family Relations
ECE 10 Introduction to Education	HIST 14 History and American Cultures of California	SOC 5 Introduction to Global Studies
ECE 56 Child Growth and Development	HIST 25 American Indian History	SOC 6 Social Problems
ECE 62 Child, Family and Community	HIST 28 History of the American West	SOC 7 Sociology of Sexuality
ECE 79 Teaching in a Diverse Society	HIST 32 U.S. Women's History	SOC 11 Sociology of Gender
ECON 1 Principles of Microeconomics	JAMS 1 Introduction to Mass Communications	SOC 12 Popular Culture
ECON 2 Principles of Macroeconomics	JAMS 2 Introduction to Media	SOC 13 Research Methods
ECON 5 Economic History of the United States	LGBT 1 Introduction to LGBTQ Studies	WMST 1 Introduction to Women's Studies
ECON 10 General Economics	LGBT 2 Lesbian, Gay, Bisexual, Transgender, and Queer Psychology	WMST 2 Global Perspective of Women
ENG 44 Literature of the American West	MKTG 50 Introduction to Marketing	
ETHS 1 Introduction to Ethnic Studies	PCN 3 Theories & Concepts of Counseling: An Introduction	

Area V. Kinesiology (at least 1 unit required) *Veterans with DD214 honorable discharge receive a waiver for this area and 3 units*

VA - Kinesiology (at least 1 unit required) *Exemption from the Kinesiology requirement is allowed for illness or physical disability by filing a physician's statement at the Admissions & Records Office or for students who hold an AA/AS Degree or higher.*

DANC 1 Introduction to Dance	DANC 4A Modern/Contemporary Dance A	FST 7 Fire Service Conditioning & Physical Agility Development
DANC 2A Jazz Dance Fundamentals/Beginning	DANC 4B Modern/Contemporary Dance B	Any Kinesiology Intercollegiate Athletics Course (KIN 32A-65)
DANC 2B Jazz Dance Beginning/Intermediate	DANC 6A Choreography for the Stage A	Any Kinesiology Activity Course (KIN AF1-ZUM1)
DANC 3A Ballet Fundamentals/Beginning	DANC 6B Choreography for the Stage B	

Area VI. Program-Based General Education Requirement (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 2023-2024 Catalog or the A.S. program coordinator.

AC. American Cultures (at least 1 course required with a grade of 'C' or higher or 'P')

Where appropriate, the course can simultaneously satisfy 1 other graduate or subject area requirement.

ANTR 5 Cultures of the U.S. in a Global Perspective	ETHS 30 Introduction to Chicana and Latinx Studies	PCN 3 Theories & Concepts of Counseling: An Introduction
ANTR 7 Native American Cultures of North America	ETHS 40 Introduction to Native American and Indigenous Studies	PCN 13 Multicultural Issues in Contemporary America
CMST 11 Intercultural Communication	HIST 14 History and American Cultures of California	POLI 12 Introduction to California State and Local Government
ECE 79 Teaching in a Diverse Society	HIST 28 History of the American West	POLI 26 Introduction to Gender, Sexuality, and Politics
ENG 44 Literature of the American West	HIST 32 U.S. Women's History	PSYC 21 Psychology of Race and Identity
ETHS 1 Introduction to Ethnic Studies	HUMN 10 American Arts and Ideas	SOC 3 Introduction to Race and Ethnicity
ETHS 5 Psychology of Race and Identity	MUS 3 World Music	THEA 4 American Cultures in Theater
ETHS 6 Introduction to Race and Ethnicity	MUS 4 Jazz in American Culture	WMST 1 Introduction to Women's Studies
ETHS 10 Introduction to African American and Black Studies	MUS 5 American Cultures in Music	
ETHS 20 Introduction to Asian American and Pacific Islander American Studies	MUS 13 History of Rock & Roll	

MP. Mathematics Proficiency (proficiency in Mathematics may be met in one of the following ways)

1. Submit Documentation showing completion of Algebra 2, Integrated Math 3, or a higher level Mathematics course 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.
2. Complete one of the mathematics courses listed below at Las Positas College (with a grade of 'C' or higher or 'P').
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').

CS 17 Discrete Mathematical Structures	MATH 10 Discrete Mathematical Structures	MATH 40 Statistics and Probability
MATH 1 Calculus I	MATH 27 Number Systems for Educators	MATH 47 Mathematics for Liberal Arts
MATH 2 Calculus II	MATH 30 College Algebra for STEM	MATH 55 Intermediate Algebra
MATH 3 Multivariable Calculus	MATH 33 Finite Mathematics	NMAT 255 Intermediate Algebra
MATH 5 Ordinary Differential Equations	MATH 34 Business Calculus	
MATH 7 Elementary Linear Algebra	MATH 39 Trigonometry	

Graduation Requirements

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 Science Degree, IGETC (for CSU), or CSU GE-B.
5. All courses required for the Major must be completed with a 'C' or higher or 'P.'

Please note that Las Positas and Chabot College DO NOT share AA or AS patterns. If you are interested in taking a course at Chabot College please be sure to see a counselor.