
Section 8

Academic Requirements

Graduation Requirements

The requirements listed below are for the 1997-98 academic year and are based upon information available at the time of catalog publication. Students may contact the Office of School and College Relations for the most current information.

Two associate degree programs are offered at Mt. San Antonio College. The Associate in Science degree is designed for vocational majors while the Associate in Arts degree is appropriate for those individuals seeking a baccalaureate degree. The general education requirements are the same for both degrees except for the mathematics competency.

Students pursuing the Associate in Arts degree are urged to consult with staff at the A.C.T. Center in the Student Services Center regarding course selections required for admission to a university.



Associate in Arts Degree (A.A.) Graduation Requirements

1. Sixty (60) associate degree appropriate units.
 2. Fifty-six (56) of the associate degree appropriate units must be baccalaureate level units (designated CSU or UC in course description) are required for graduation.
 3. A letter grade of "C" or better is required in each course.
 4. The **Residency Requirement** for Mt. San Antonio College can be met in either of two ways: (1) twelve [12] units in residence and enrollment at Mt. San Antonio College in the last semester or (2) forty-five [45] units in residence, if the last semester is not at Mt. San Antonio College.
 5. Mathematics **COMPETENCY** (*minimum of three [3] units*): MATH 71–Intermediate Algebra or completing a more advanced college level mathematics course, or obtaining a satisfactory score on the Mt. San Antonio College intermediate algebra competency examination.
 6. **AREA A: Communication in the English Language** – Two [2] courses, six [6] units. ENGL 1A or 1H–Freshman Composition and SPCH 1A or 1H–Public Speaking.
 7. **AREA B: The Physical Universe and Life** – One [1] course, three [3] units from *Physical Sciences or Life Sciences*.
 8. **AREA C: Arts and Humanities** – Two [2] courses, six [6] units. At least one [1] course from Arts and one [1] course from Humanities.
 9. **AREA D: Social, Political and Economic Institutions** – Six [6] units. Select one [1] course from *U.S. History and American Institutions* and at least one [1] course from **Elective Courses**.
 10. **AREA E: Lifelong Understanding and Self-Development** – Three [3] units. Select one [1] course from the list.
 11. **Physical Well-Being Requirement:** Students are required to complete at least one (1) physical education activity course from prefixes PE-A, PE-D, PE-F, PE-I, PE-L, PE-S, or PE-X with a grade of "C" or better, or "CR".
- NOTE:** For a listing of courses satisfying Areas A, B, C, D, and E, see *General Education Requirements*.

Associate in Science Degree (A.S.) Graduation Requirements

1. Sixty (60) associate degree appropriate units.
2. Complete all courses required for graduation with a "C" or better.
3. Complete all required courses in an approved occupational program with a minimum grade of "C" in all courses.
4. The **Residency Requirement** for Mt. San Antonio College can be met in either of two ways: (1) twelve [12] units in residence and enrollment at Mt. San Antonio College in the last semester or (2) forty-five [45] units in residence, if the last semester is not at Mt. San Antonio College.
5. Mathematics COMPETENCY (*minimum of three [3] units*). This requirement is met by completing one of the following courses with a grade of "C" or better:

AGAG 91	Agricultural Calculations, <i>or</i>
ELMA 65B	Mathematics of Electronics, <i>or</i>
MATH 51	Elementary Algebra, <i>or</i>

completing a more advanced college level mathematics course, with a grade of "C" or better, *or* obtaining a satisfactory score on the appropriate Mt. San Antonio College elementary algebra competency examination.
6. **AREA A: Communication in the English Language** – *Two [2] courses, six [6] units.* ENGL 1A *or* 1H–Freshman Composition–*and* SPCH 1A *or* 1H–Public Speaking.
7. **AREA B: The Physical Universe and Life** – *One [1] course, three [3] units from Physical Sciences or Life Sciences.*
8. **AREA C: Arts and Humanities** – *Two [2] courses, six [6] units. At least one [1] course from Arts and one [1] course from Humanities.*
9. **AREA D: Social, Political and Economic Institutions** – *Six [6] units. Select one [1] course from U.S. History and American Institutions and at least one [1] course from Elective Courses.*
10. **AREA E: Lifelong Understanding and Self-Development** – *Three [3] units. Select one [1] course from the list.*
11. **Physical Well-Being Requirement:** Students are required to complete *at least one (1) physical education activity course* from prefixes PE-A, PE-D, PE-F, PE-I, PE-L, PE-S, or PE-X with a grade of "C" or better, or "CR".

NOTE: For a listing of courses satisfying Areas A, B, C, D, and E, see *General Education Requirements*.

Petitioning for Graduation

All students must file a petition for graduation with the Admissions and Records office and have on file all required documents and transcripts. The deadline dates are on or about March 31 for Spring and Summer graduation and on or about October 31 for Fall graduation. Students also have the option of filing a graduation petition one semester prior to completing all coursework. Please check the *Schedule of Credit Classes* for further information.

Multiple Degrees

The Associate in Science degree shall be awarded to those graduates who majored in one of the occupational programs at Mt. San Antonio College. Students may be awarded one Associate in Arts degree and multiple Associate in Science degrees. Each additional Associate in Science degree requires 20 units of course work beyond the 60 units required for the first degree, including the satisfactory completion of all the required courses of the second major. Students awarded additional degrees must meet or complete the current general education requirements in effect at the time of re-entry.

General Education Requirements

Philosophy Statement

The general education component of the associate degree introduces students to the humanities, social sciences, natural sciences, applied sciences, and technology. It exposes students to different areas of study; demands the acquisition and use of reading, writing, and critical thinking skills at appropriate post-secondary levels; imparts a sense of our shared cultural heritage and how to function as responsible, ethical individuals in a complex society; and instills a level of intellectual curiosity and self-awareness conducive to lifelong learning and personal growth.

Together with other Mt. San Antonio College degree requirements, the general education component of the associate degree prepares students to:

- transfer to and function successfully in a baccalaureate degree granting institution;
- enter the work force as a competent, productive citizen;
- live a richer, more rewarding life.

General education is the distinguishing feature of higher education. It is a broadly-based core of humanistic knowledge and abilities, acquisition of which is the distinctive characteristic of the educated person. General education courses emphasize the ability to reason, to examine issues from different perspectives, to challenge authority, and to communicate ideas logically and confidently. They instill open-mindedness, respect for differences among people, and knowledge of self. They provide an understanding of the human condition and of human accomplishments and encourage a lifelong interest in learning.

General education courses are not primarily skills-based, nor are they limited to, or more appropriate for, majors in a specialized field of study.

Courses that fulfill general education requirements must:

1. Require post-secondary level skills in reading, writing, computation, and critical thinking.
2. Improve students' abilities to:
 - communicate oral and written ideas effectively;
 - define problems, design solutions, critically analyze results;
 - work effectively and cooperatively with others;
 - work independently;

- develop and question personal and societal values, make informed choices, and accept responsibility for one's decisions;
 - function as active, responsible, ethical citizens;
 - acquire the curiosity and skills essential for lifelong learning.
3. Impart understanding, knowledge, and appreciation of:
 - our shared scientific, technological, historical, and artistic heritage, including the contributions of women, ethnic minorities, and non-western cultures;
 - the earth's ecosystem, including the processes that formed it and the strategies that are necessary for its maintenance;
 - human social, political, and economic institutions and behavior, including their interrelationships;
 - the psychological, social, and physiological dimensions of men and women as individuals and as members of society.

Courses that fulfill general education requirements must fall into one of the content categories listed below:

- A. Communication and Critical Thinking
- B. Science and Math
- C. Arts and Humanities
- D. Social Sciences
- E. Lifelong Understanding and Self-Development



Criteria for inclusion in each of the above categories are itemized below:

A. Communication and Critical Thinking

These courses emphasize both the content and form of communication. They teach students the relationship of language to logic, as well as how to analyze, criticize, and advocate ideas, to reason deductively and inductively, and to reach sound conclusions. Courses fulfilling this requirement:

- provide understanding of the psychological and social significance of communication;
- illustrate how communication operates in various situations;
- focus on communication from the rhetorical perspective: reasoning, advocacy, organization, accuracy; the discovery, critical evaluation, and reporting of information; reading, listening, speaking, and writing effectively;
- provide active participation and practice in written and oral communication.

B. Science and Mathematics

These courses impart knowledge about living and non-living systems, and mathematical concepts and quantitative reasoning with applications. Courses fulfilling this requirement:

- promote understanding and appreciation of the methodologies and tools of science;
- emphasize the influence of scientific knowledge on the development of civilization;
- impart appreciation and understanding of basic concepts, not just skills;
- offer specific inquiry into mathematical concepts, quantitative reasoning and application. (See Mt. SAC degree competency requirements.)

C. Humanities

These courses cultivate intellect, imagination, sensibility and sensitivity. They encourage students to respond subjectively as well as objectively, and to develop a sense of the integrity of emotional and intellectual responses. Courses fulfilling this requirement:

- study great work of the human imagination;
- increase awareness and appreciation of the traditional humanistic disciplines such as art, dance, drama, literature, and music;
- impart an understanding of the interrelationship between creative art, the humanities, and the self;
- provide exposure to both Western and non-Western cultures;
- may include a foreign language course that contains a cultural component as opposed to a course that focuses on skills acquisition.

D. Social Sciences

These courses explore, at the micro and macro-level, the social, political, and economic institutions that underpin society. Courses fulfilling these requirements:

- promote understanding and appreciation of social, political, and economic institutions;
- probe the relationship between these institutions and human behavior;
- examine these institutions in both their historical and contemporary context;
- include the role of, and impact on, non-white ethnic minorities and women;
- include both western and non-western settings.

E. Lifelong Understanding and Self-Development

These courses facilitate an understanding of human beings as integrated physiological, social and psychological organisms. Courses fulfilling this requirement:

- provide selective consideration of human behavior, sexuality, nutrition, health, stress, implications of death and dying, and the relationship of people to the social and physical environment.

Adapted from CSU Executive Order 595 and Title 5 Section 40405.1

General Education Requirements for 1997-1998

AREA A:

Communication in the English Language (6 units):

Select two [2] courses from the following:

ENGL	1A	Freshman Composition, or
ENGL	1H	Freshman Composition - Honors and
SPCH	1A	Public Speaking, or
SPCH	1H	Public Speaking - Honors

AREA B:

The Physical Universe and Life (3 units):

Select one [1] course from the Physical Sciences or Life Sciences:

Physical Sciences

ASTR	5	Introduction to Astronomy
ASTR	6	Astronomical Observing
CHEM	1A	General Chemistry
CHEM	1B	General Chemistry
CHEM	2A	Fundamentals of Chemistry
CHEM	2B	Fundamentals of Chemistry
GEOG	1	Geography Physical Elements
GEOL	1	Physical Geology
GEOL	7	Geology of California
GEOL	8	Earth Science
GEOL	8L	Earth Science Laboratory
GEOL	9	Environmental Geology
GEOL	13	Evolution of the Earth
METO	3	Weather and the Atmospheric Environment
OCEA	10	Introduction to Oceanography
OCEA	10L	Introduction to Oceanography Laboratory
PHSC	7	Physical Science
PHSC	7L	Physical Science Lab
PHYS	1	Physics
PHYS	2A(G)	General Physics
PHYS	2A(M)	Premedical Physics
PHYS	2B(G)	General Physics
PHYS	2B(M)	Premedical Physics
PHYS	4A	Engineering Physics

Life Sciences

AGOR	1	Horticultural Science
ANAT	10A	Introduction to Human Anatomy
ANAT	10B	Introduction to Human Physiology
ANAT	35	Human Anatomy
ANTH	1	Physical Anthropology
ANTH	1H	Physical Anthropology - Honors
ANTH	1L	Physical Anthropology Laboratory
BIOL	1	General Biology
BIOL	2	Plant and Animal Biology
BIOL	3	Field Biology
BIOL	4	Biology for Majors
BIOL	6	Humans and the Environment
BIOL	6L	Humans and the Environment Laboratory
BIOL	20	Marine Biology
BIOL	21	Marine Biology Laboratory

MICR	1	Principles of Microbiology
PSYC	1B	Physiological Psychology
ZOOL	1	Zoology
ZOOL	2	Zoology

AREA C:

Arts and Humanities (6 units):

Select two [2] courses, six [6] units minimum, with at least one [1] course from the Arts and one [1] from Humanities:

Arts

ART	1	Appreciation of Art
ART	4	Art History: Prehistoric - Gothic
ART	5	Art History: Renaissance - Modern
ART	6	Art History: Modern Art
ART	14	Introduction to Art Fundamentals
ART	15A	Drawing - Beginning
ART	20	Design: Two Dimensional
ART	22	Design: Three Dimensional
ART	25A	Painting - Beginning
ART	30A	Ceramics - Beginning
ART	40A	Sculpture - Beginning
DRMA	9	Introduction to Theater Arts
DRMA	10	History of Theater Arts
DRMA	11	Principles of Acting
MUS	7	Fundamentals of Music
MUS	11A	Music Literature Survey
MUS	11B	Music Literature Survey
MUS	13	Introduction to Music Appreciation
MUS	13H	Introduction to Music Appreciation - Honors
MUS	14	World Music
PHOT	15	History of Photography

Humanities

CHIN	1	Chinese
CHIN	2	Chinese
ENGL	1B	English: Introduction to Literature Types
ENGL	1BH	English: Introduction to Literature Types - Honors
FRCH	1	French
FRCH	2	French
FRCH	3	French
FRCH	4	French
GERM	1	German
GERM	2	German
GERM	3	German
GERM	4	German
HUMA	1	The Humanities
ITAL	1	Italian
ITAL	2	Italian
ITAL	3	Italian
ITAL	4	Italian
ITAL	60	Italian Culture through Cinema
JAPN	1	Japanese
JAPN	2	Japanese

General Education Requirements for 1997-1998 (continued)

JAPN	3	Japanese
JAPN	4	Japanese
LIT	1	Masterpieces of American Literature
LIT	2	Modern American Literature
LIT	6A	Survey of English Literature
LIT	6B	Survey of English Literature
LIT	11A	World Literature
LIT	11B	World Literature
LIT	14	Introduction to Modern Poetry
LIT	15	Introduction to Cinema
LIT	20	African-American Literature
LIT	25	Contemporary Mexican-American Literature
LIT	33	Images of Women in Literature
LIT	35	Science Fiction and Fantasy
LIT	36	Introduction to Mythology
LIT	46	The Bible as Literature
LIT	47	The Bible as Literature
PHIL	5	Introduction to Philosophy
PHIL	5H	Introduction to Philosophy - Honors
PHIL	12	Ethics
PHIL	15	Major World Religions
PHIL	15H	Major World Religions - Honors
RUSS	1	Russian
RUSS	2	Russian
SIGN	80	American Sign Language
SPAN	1	Spanish
SPAN	1H	Spanish - Honors
SPAN	1A	Spanish for the Spanish Speaking
SPAN	2	Spanish
SPAN	2H	Spanish - Honors
SPAN	2A	Spanish for the Spanish Speaking
SPAN	3	Spanish
SPAN	4	Spanish

AREA D:

Social, Political and Economic Institutions (6 units):

U.S. History and American Institutions

Select one [1] course from the following:

HIST	1	History of the U.S.
HIST	1H	History of the U.S. - Honors
HIST	7	History of the U.S.
HIST	8	History of the U.S.
HIST	30	History of the African American
HIST	31	History of the African American
HIST	36	Women in American History
HIST	40	History of the Mexican American
POLI	1	Political Science
POLI	1H	Political Science - Honors
POLI	25	Politics of the Mexican-American
POLI	35	African-American Politics

Elective Courses - select at least one [1] course from the following list (3 units):

AGAG	1	Food Production Land Use and Politics, A Global Prospective
AGFR	20	Conservation of Natural Resources
ANTH	5	Principles of Cultural Anthropology
ANTH	22	General Cultural Anthropology
BUSC	1A	Principles of Economics
BUSC	1B	Principles of Economics
BUSM	20	Principles of Business
CHLD	1	Child, Family, and Community
CHLD	10	Child Growth and Development
GEOG	2	Geography-Cultural
GEOG	30	Geography of California
HIST	3	History of World Civilization
HIST	4	History of World Civilization
HIST	10	History of Asia
HIST	11	History of Asia
HIST	19	History of Mexico
HIST	35	History of Africa
HIST	39	California History
JOUR	30	Intro to Mass Media
POLI	2	Political Science
POLI	5	Political Science Theory
POLI	9	Introduction to International Relations
PSYC	1A	General Psychology
SOC	1	Sociology
SOC	14	Marriage and the Family
SOC	15	Child Development

AREA E:

Lifelong Understanding and Self-Development (3 units):

Select one [1] course from the following:

AD	3	Chemical Dependency
BIOL	5	Health Science and Substance Abuse
BIOL	13	Human Reproduction, Development and Aging
BIOL	15	Human Sexuality
COUN	5	Career/Life Planning
FCS	41	Life Management
NF	25	Essentials of Nutrition
NF	25H	Essentials of Nutrition - Honors
NF	63	Basic Principles of Nutrition
PE-T	34	Fitness for Living
PSYC	26	Psychology of Sexuality
PSYC	33	Psychology of Effective Living
SPCH	26	Interpersonal Communications
SPCH	26H	Interpersonal Communications - Honors

