



Degree Plan for an Associate of Science Degree in Fire Technology

Fire Technology Education Fulfillment	Course Title (Prerequisites/Co-Requisites*) College Required Courses	CR
Major Requirements		
FIRE 1	Fire Protection Organization	3
FIRE 2	Fire Prevention Technology	3
FIRE 3	Fire Protection Equipment and Systems	3
FIRE 4	Building Construction for Fire Protection	3
FIRE 5	Fire Behavior and Combustion	3
FIRE 13	Principles of Fire and Emergency Services Safety and Survival	3
Required Electives	Choose two (2) courses from the following:	5.5-19
FIRE 6	Hazardous Materials/ICS	3
FIRE 7	Fire Fighting Tactics and Strategy	3
FIRE 8	Fire Company Organization and Management	3
FIRE 9	Fire Hydraulics	3
FIRE 10	Arson and Fire Investigation	3
FIRE 11	Fire Apparatus and Equipment	3
FIRE 12	Wildland Fire Control	4.5
FIRE 86	Basic Fire Academy	14.5
KINF 51A	Agility Test Preparation - Beginning	1
KINF 51B	Agility Test Preparation – Intermediate	1
KINF 52A	Fitness and Conditioning – Beginning	1
KINF 53	Physical Training for the Basic Fire Academy	2.5
General Education Requirement for transfer: Choose One (1) Pathway		
<p>For specific selection and sequencing of courses, students are strongly encouraged to meet with an advisor. We honor the originating institution’s credit totals.</p> <p>*Student will coordinate with Mt. SAC academic advisor for questions about satisfying the General Education for transfer.</p>		
Program Courses and General Education Pattern See Attachment A	TOTAL CREDITS TAKEN AT MT. SAC	60



Degree Plan for a Bachelor of Science Degree in Fire Services Administration in Emergency Services Department

Program Courses to be completed at ISU for Bachelor of Science in Fire Services Administration

ISU Requirements ¹	Credits
FSA 3323 -- Fire and Emergency Services Administration	3
FSA 3325 -- Personnel Mgt. for Fire Service Administrator	3
FSA 3336 -- Fire Prevention Organization and Management	3
FSA 3329 -- Political and Legal Foundations of Fire Protection	3
FSA 3331 -- Community Risk Reduction for Fire & Emergency Services	3
FSA 3333 -- Applications of Fire Research	3
FSA 4409 -- Practicum-Internship ²	0-3
FSA Electives (select 3 courses)	9
Upper-division elective credit required for a Bachelor's Degree ³	6-9
Free electives required to meet 120 cumulative credits required for a Bachelor's Degree ^{4, 5}	18-24
TOTAL CREDITS TAKEN AT ISU	60
TOTAL CREDITS (MT. SAC + ISU)	120

Advising notes:

¹ Students may be eligible to waive up to 17 associate-level FSA credits with a previously-earned associates degree from a regionally accredited college or university.

²FSA 4409 is waived for students with 5+ years of experience in a fire-related career/field.

³ISU requires 36 upper-division credits to confer a bachelor's degree. There are 27-30 upper-division credits built into the FSA major coursework. Transfer students who do not have upper-division transfer credits will be required to complete 6-9 upper-division elective credits in order to meet the 36 upper-division credit requirement for graduation.

⁴Students may satisfy an outstanding elective credit deficit by way of transfer credits that exceed the 60-66 credits required for the Associate of Science Fire Technology degree earned from Mt. SAC. Credits earned from a regionally-accredited institution are transferrable to ISU and may satisfy this graduation requirement.

⁵A minor in Homeland Security Emergency Management (18 credits) is recommended to meet the free elective requirement. Nine (9) of the eighteen (18) total credits for the minor must be upper-division. These upper-division credits may be applied toward the upper-division elective credits required for a Bachelor's degree.



Other Requirements for Degree:

Completion confers the following benefits:

- 1) ISU waives the admission fee upon Transfer.
- 2) Students who transfer without predetermined courses from degree plan must complete ISU's institution-specific education requirements.

Idaho State University Requirements:

- Students must complete 120 credits of coursework, of which at least 60 must be academic credits.
- Completion of an AA/AS degree satisfies ISU's general education requirements. Students who transfer to ISU without an AA/AS must complete ISU's general education requirements.
- Students must complete 36 credits of upper division coursework (3000 level and above), of which 15 must be earned at ISU.
- At least 30 credits in the major area of study must be resident credits (earned at ISU), or 30 of the last 50 credits applied to the degree must be ISU resident credit. (Refer to the ISU catalog for limits on specialized credits such as credit by exam, physical activity, music participation, and experiential learning.)
- Students must complete all major requirements with a minimum grade point average of 2.0 and have an overall ISU cumulative GPA of 2.0.



Mt. San Antonio College (Attachment A)

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC) 2021 - 2022

The courses listed below will fulfill the lower division general education requirements for all UC campuses.

Completion of the IGETC will permit a student to transfer from Mt. SAC to a campus in either the University of California (UC) system or California State University (CSU) without the need, after transfer, to take additional lower-division general education courses to satisfy university general education requirements. It should be noted that completion of the IGETC is not an admission requirement for transfer to UC or CSU, nor is it the only way to fulfill the lower-division general education requirements of UC or CSU prior to transfer. Students pursuing majors that require extensive lower-division preparation may not find the IGETC option to be advantageous (i.e. Engineering, Sciences).

A minimum grade of "C" is required in each course. (A grade of "C-" is not acceptable.)

NOTE:

UC limits transfer credit for some courses. Students may review the UC Transfer Course Agreement (TCA) with a counselor or educational advisor.

AREA 1. ENGLISH COMMUNICATION: Choose one course from each group.						C	IP	N
Group A: English Communication								
AMLA 1A	College Composition for Non-Native English Speakers	ENGL 1A	Freshman Composition	ENGL 1AM	College Composition for Non-Native English Speakers			
		ENGL 1AH	Freshman Composition - Honors					
Group B: Critical Thinking Composition								
ENGL 1C	Critical Thinking and Writing	ENGR 1C	Engineering Critical Thinking	PHIL 9H	Critical Thinking and Writing – Honors			
ENGL 1CH	Critical Thinking and Writing - Honors	PHIL 9	Critical Thinking and Writing					
Group C: Oral Communication (CSU Requirement only)								
SPCH 1A	Public Speaking	SPCH 1AH	Public Speaking - Honors	SPCH 2	Survey of Communication Studies			
AREA 2. MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING: Choose one course.						C	IP	N
BUSC 17	Applied Business Statistics	MATH 120	Finite Mathematics	MATH 280	Calculus and Analytic Geometry			
ENGR 285	Differential Equations and Linear Algebra for Engineers	MATH 130	College Algebra	MATH 285	Linear Algebra and Differential Equations			
		MATH 140	Calculus for Business					
MATH 100	Survey of College Mathematics	MATH 160	Precalculus Mathematics	MATH 290	Differential Equations			
MATH 110	Elementary Statistics	MATH 180	Calculus and Analytic Geometry	PSYC 10	Statistics for the Behavioral Sciences			
MATH 110H	Elementary Statistics - Honors	MATH 181	Calculus and Analytic Geometry					
MATH 110S	Integrated Statistics	MATH 260	Linear Algebra	SOC 23	Introduction to Statistics in Sociology and Social Sciences			
AREA 3. ARTS AND HUMANITIES: Choose three courses minimum, at least one course from Arts group and one course from the Humanities group.						C	IP	N
Arts Courses:								
AHIS 1	Introduction to the Visual Arts and Art History	AHIS 6	History of Modern Art	*AHIS 15	Culture and Art of Pompeii			
or		AHIS 6H	History of Modern Art – Honors	ARCH 250	World Architecture: Prehistory to the Middle Ages			
ARTB 1	Introduction to the Visual Arts and Art History	AHIS 8	History of Medieval Art and Architecture	ARCH 251	World Architecture: Renaissance through the Contemporary Era			
*AHIS 3	History of Women and Gender in Art	*AHIS 9	History of Asian Art and Architecture	DN-T 20	History and Appreciation of Dance			
*AHIS 3H	History of Women and Gender in Art - Honors	AHIS 10	A History of Greek and Roman Art and Architecture	MUS 11A	Music History I: Antiquity to 1750			
AHIS 4	History of Western Art: Prehistoric Through Gothic	*AHIS 11	History of African, Oceanic, and Native American Art	MUS 11B	Music History II: 1750 to Present			
AHIS 4H	History of Western Art: Prehistoric Through Gothic - Honors	*AHIS 11H	History of African, Oceanic, and Native American Art - Honors	MUS 12	History of Jazz			
AHIS 5	History of Western Art: Renaissance Through Modern	*AHIS 12	History of Precolumbian Art and Architecture	MUS 13	Music Appreciation			
AHIS 5H	History of Western Art: Renaissance Through Modern - Honors	*AHIS 12H	History of Precolumbian Art and Architecture - Honors	MUS 13H	Music Appreciation - Honors			
		*AHIS 13	World Art and Visual Culture	MUS 14A	World Music			
		*AHIS 14	Rome: The Ancient City	MUS 14B	American Folk Music			
				MUS 15	Rock Music History and Appreciation			
				MUS 15H	Rock Music History and Appreciation - Honors			
				THTR 10	History of Theater Arts			
Humanities Courses:								
Students who have attended schools where English is not the language of instruction in grade 9 or higher should discuss potential UC credit limitations with a counselor or educational advisor before completing language classes in this area.								
CHIN 3	Intermediate Chinese	*HIST 18	History of Latin America	LIT 11A	World Literature to 1650			
CHIN 4	Continuing Intermediate Chinese	*HIST 19	History of Mexico	LIT 11B	World Literature from 1650			
ENGL 1B	English - Introduction to Literary Types	*HIST 30	History of the African American 1619-1877	LIT 14	Introduction to Modern Poetry			
ENGL 1BH	English - Introduction to Literary Types - Honors	*HIST 31	History of the African American	LIT 15	Introduction to Cinema			
FRCH 3	Intermediate French	*HIST 35	History of Africa	LIT 20	African American Literature			
FRCH 4	Continuing Intermediate French	*HIST 36	Women in American History	LIT 25	Contemporary Mexican American Literature			
FRCH 60	French Culture Through Cinema	*HIST 39	California History	LIT 36	Introduction to Mythology			
GERM 3	Intermediate German	*HIST 40	History of the Mexican American	LIT 46	The Bible As Literature: Old Testament			
GERM 60	German Culture Through Cinema	*HIST 44	History of Native Americans	LIT 47	The Bible As Literature: New Testament			
*HIST 1	History of the United States	HUMA 1	Humanities and the Human Experience	PHIL 5	Introduction to Philosophy			
*HIST 3	World History: Prehistoric to Early Modern	HUMA 1H	Humanities and the Human Experience - Honors	PHIL 5H	Introduction to Philosophy - Honors			
*HIST 3H	World History: Prehistoric to Early Modern - Honors	ITAL 3	Intermediate Italian	PHIL 12	Introduction to Ethics			
*HIST 4	World History: Early Modern to the Present	ITAL 4	Continuing Intermediate Italian	PHIL 12H	Introduction to Ethics - Honors			
*HIST 4H	World History: Early Modern to the Present - Honors	ITAL 60	Italian Culture Through Cinema	PHIL 15	Major World Religions			
*HIST 7	History of United States to 1877	ITAL 61	Italian Culture through Food	PHIL 15H	Major World Religions - Honors			
*HIST 7H	History of United States to 1877 - Honors	JAPN 3	Intermediate Japanese	PHIL 20A	Introduction to Ancient Philosophy			
		JAPN 4	Continuing Intermediate Japanese	PHIL 20AH	Introduction to Ancient Philosophy - Honors			
		JAPN 5	Advanced Japanese	PHIL 20B	Introduction to Modern Philosophy			
		JAPN 62	Japanese Culture Through Anime and Manga	PHIL 20BH	Introduction to Modern Philosophy - Honors			
*HIST 8	History of United States from 1865	LING 2	Languages, Gender, and Power	*POLI 5	Political Theory I - Ancient to Contemporary			
*HIST 8H	History of United States from 1865 - Honors	LING 3	Languages, Cultures, and Writing in East Asia	*POLI 7	Political Theory II - Early Modern To Contemporary			
*HIST 9	Asian American and Pacific Islander History	LIT 1	Early American Literature	PUBH 20	History of Western Medicine			
*HIST 10	History of Premodern Asia	LIT 2	Modern American Literature	SIGN 104	American Sign Language 4			
*HIST 10H	History of Premodern Asia - Honors	LIT 3	Multicultural American Literature	SIGN 202	American Deaf Culture			
*HIST 11	History of Modern Asia	LIT 6A	Survey of English Literature	SPAN 3	Intermediate Spanish			
*HIST 11H	History of Modern Asia - Honors	LIT 6B	Survey of English Literature	SPAN 4	Continuing Intermediate Spanish			
*HIST 16	The Wild West - A History, 1800-1890	LIT 10	Survey of Shakespeare					

AREA 4. SOCIAL AND BEHAVIORAL SCIENCES: Choose three courses from a minimum of two different subject areas.						C	IP	N
*AHIS 3	History of Women and Gender in Art	*HIST 1	History of the United States	POLI 9	International Relations			
*AHIS 3H	History of Women and Gender in Art - Honors	*HIST 3	World History: Prehistoric to Early Modern	POLI 10	Environmental Politics			
*AHIS 9	History of Asian Art and Architecture	*HIST 3H	World History: Prehistoric to Early Modern - Honors	POLI 25	Latino Politics in the United States			
*AHIS11	History of African, Oceanic, and Native American Art	*HIST 4	World History: Early Modern to the Present	POLI 35	African American/Black Politics			
*AHIS 11H	History of African, Oceanic, and Native American Art - Honors	*HIST 4H	World History: Early Modern to the Present - Honors	PSYC 1A	Introduction to Psychology			
*AHIS 12	History of Precolumbian Art and Architecture	*HIST 7	History of the United States to 1877	PSYC 1AH	Introduction to Psychology - Honors			
*AHIS 12H	History of Precolumbian Art and Architecture - Honors	*HIST 7H	History of the United States to 1877 - Honors	PSYC 14	Developmental Psychology			
*AHIS 13	World Art and Visual Culture	*HIST 8	History of the United States from 1865	PSYC 14H	Developmental Psychology - Honors			
*AHIS 14	Rome: The Ancient City	*HIST 8H	History of the United States from 1865 - Honors	PSYC 15	Introduction to Child Psychology			
*AHIS 15	Culture and Art of Pompeii	*HIST 9	Asian American and Pacific Islander History	PSYC 19	Abnormal Psychology			
ANTH 4	Archaeology	*HIST 10	History of Premodern Asia	PSYC 20	Introduction to Social Psychology			
ANTH 5	Cultural Anthropology	*HIST 10H	History of Premodern Asia - Honors	PSYC 25	The Psychology of Women			
ANTH 5H	Cultural Anthropology - Honors	*HIST 11	History of Modern Asia	SOC 1	Introduction to Sociology			
ANTH 6	Language and Culture: An Introduction to Linguistic Anthropology	*HIST 11H	History of Modern Asia - Honors	SOC 1H	Introduction to Sociology - Honors			
ANTH 15	Peoples and Cultures of Latin America and the Caribbean	*HIST 16	The Wild West - A History, 1800-1890	SOC 2	Contemporary Social Problems			
ANTH 16	Peoples and Cultures of South Asia	*HIST 18	History of Latin America	SOC 2H	Contemporary Social Problems - Honors			
ANTH 17	Peoples and Cultures of the Middle East	*HIST 19	History of Mexico	SOC 4	Introduction to Gerontology			
ANTH 30	The Native American	*HIST 30	History of the African American 1619-1877	SOC 5	Introduction to Criminology			
ANTH 50	Introduction to Science, Technology, and Society	*HIST 31	History of the African American	SOC 5H	Introduction to Criminology - Honors			
BUSC 1A	Principles of Economics - Macroeconomics	*HIST 35	History of Africa	SOC 12	Introduction to Research Methods in the Social Sciences			
BUSC 1AH	Principles of Economics - Macroeconomics - Honors	*HIST 36	Women in American History	SOC 20	Introduction to Race and Ethnicity			
BUSC 1B	Principles of Economics - Microeconomics	*HIST 39	California History	SOC 20H	Introduction to Race and Ethnicity - Honors			
BUSC 1BH	Principles of Economics - Microeconomics - Honors	*HIST 40	History of the Mexican American	SOC 40	Introduction to Sex and Gender Roles			
BUSL 100	American Law and Democracy	*HIST 44	History of Native Americans	SOC 110	Introduction to Social Justice			
GEOG 2	Human Geography	NF 28	Cultural and Ethnic Foods	SOC 130	Introduction to LGBTQ Studies			
GEOG 2H	Human Geography - Honors	POLI 1	Introduction to American Government and Politics	SPCH 7	Intercultural Communication			
GEOG 5	World Regional Geography	POLI 1H	Introduction to American Government and Politics – Honors	SPCH 7H	Intercultural Communication - Honors			
GEOG 8	Urban Geography	*POLI 5	Political Theory I - Ancient to Contemporary	SPCH 26	Interpersonal Communication			
GEOG 30	Geography of California	*POLI 7	Political Theory II - Early Modern to Contemporary	SPCH 26H	Interpersonal Communication - Honors			

AREA 5. PHYSICAL AND BIOLOGICAL SCIENCES: Choose two courses, one physical science and one biological science, at least one must include a laboratory. Laboratory must be a corresponding section to the lecture taken. Laboratory courses are defined with a “+” sign.

Physical Science:						C	IP	N
ASTR 5	Introduction to Astronomy	GEOG 1H	Physical Geography - Honors	+METO 3L	Weather and Atmospheric Environment Laboratory			
ASTR 5H	Introduction to Astronomy - Honors	+GEOG 1L	Physical Geography Laboratory	OCEA 10	Introduction to Oceanography			
+ASTR 5L	Astronomical Observing Laboratory	+GEOG 1LH	Physical Geography Laboratory - Honors	OCEA 10H	Introduction to Oceanography - Honors			
ASTR 7	Geology of the Solar System	+GEOL 1	Physical Geology	+OCEA 10L	Introduction to Oceanography Laboratory			
ASTR 8	Introduction to Stars, Galaxies, and the Universe	+GEOL 2	Historical Geology	+PHSC 3	Energy Science			
CHEM 9	Chemistry of Everyday Life	GEOL 7	Geology of California	+PHSC 9	Physical Science			
+CHEM 10	Chemistry for Allied Health Majors	GEOL 8	Earth Science	+PHYS 1	Physics			
+CHEM 20	Introductory Organic and Biochemistry	+GEOL 8L	Earth Science Laboratory	+PHYS 2AG	General Physics			
+CHEM 40	Introduction to General Chemistry	GEOL 9	Environmental Geology	+PHYS 2BG	General Physics			
+CHEM 50	General Chemistry I	+GEOL 9L	Environmental Geology Laboratory	+PHYS 4A	Engineering Physics			
+CHEM 50H	General Chemistry I - Honors	GEOL 10	Natural Disasters	+PHYS 4B	Engineering Physics			
+CHEM 51	General Chemistry II	GEOL 30	Global Climate Change	+PHYS 4C	Engineering Physics			
+CHEM 51H	General Chemistry II - Honors	METO 3	Weather and the Atmospheric Environment	+PHYS 6A	General Physics with Calculus			
GEOG 1	Physical Geography			+PHYS 6B	General Physics with Calculus			

Biological Science:						C	IP	N
+ANAT 10A	Introductory Human Anatomy	+BIOL 3	Ecology and Field Biology	+BIOL 21	Marine Biology Laboratory			
+ANAT 10B	Introductory Human Physiology	+BIOL 4	Biology for Majors	BIOL 25	Conservation Biology			
+ANAT 35	Human Anatomy	+BIOL 4H	Biology for Majors - Honors	BIOL 34	Fundamentals of Genetics			
+ANAT 36	Human Physiology	BIOL 6	Humans and the Environment	+BIOL 34L	Fundamentals of Genetics Laboratory			
ANTH 1	Biological Anthropology	+BIOL 6L	Humans and the Environment Laboratory	+MICR 1	Principles of Microbiology			
ANTH 1H	Biological Anthropology - Honors			+MICR 22	Microbiology			
+ANTH 1L	Biological Anthropology Laboratory	+BIOL 8	Cell and Molecular Biology	PSYC 1B	Biological Psychology			
+BIOL 1	General Biology	BIOL 20	Marine Biology	+ZOO 3	Fundamentals of Zoology			
+BIOL 2	Plant and Animal Biology							

UC Requirements Only
LANGUAGE OTHER THAN ENGLISH – The minimum proficiency requirement is met by completing one of the courses listed below or by completion of two years of high school study in the same language with a grade of “C-” or better.

ARAB 1	Elementary Arabic	ITAL 1	Elementary Italian	SIGN 101	American Sign Language 1			
CHIN 1	Elementary Chinese	JAPN 1	Elementary Japanese	SIGN 101H	American Sign Language 1 - Honors			
FRCH 1	Elementary French	KORE 1	Elementary Korean	SPAN 1	Elementary Spanish			
GERM 1	Elementary German	LATN 1	Elementary Latin	SPAN 1S	Spanish for the Spanish Speaking			
		LATN 1H	Elementary Latin – Honors					

Students from non-English speaking countries should see a counselor or an educational advisor for language proficiency equivalencies.

CSU Requirements Only
CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, AND AMERICAN IDEALS

Note: UCSB requires a college-level U.S. history or government course.

Option 1: HIST 7 (or 7H) + HIST 8 (or 8H)								
OR								
Option 2: Completion of one course from U.S. History plus one course from American Institutions:								
United States History:			American Institutions:					
HIST 1 (3)	HIST 8 (3)	HIST 31 (3)	POLI 1 (3)	POLI 25 (3)				
HIST 7 (3)	HIST 8H (3)	HIST 36 (3)	POLI 1H (3)	POLI 35 (3)				
HIST 7H (3)	HIST 30 (3)	HIST 40 (3)						

The American Institution & U.S. History courses may be used to fulfill the 9 units indicated in AREA 3 or AREA 4.