



Certificate/AS-Fire Technology 18-19

Recommended Program Sequence

All courses with a + sign indicate a pre-requisite or co-requisite

Term 1 (Semester: Maximum 19 units, 15 units recommended)		Units	Term 5 (Semester: Maximum 19 units, 15 units recommended)		Units
FTEC 111, Fire Protection Organization		3	Program Elective		3
FTEC 112, Fire Prevention Technology		3	General Education Area A (Science)		3
FTEC 113, Fire Protection Equipment and Systems		3	General Education Area F (Diversity Studies)		3
General Education Area D1 (English 101+)		3	General Elective		3
General Education Area E (Additional Breadth)		3	General Elective		3
Total		15	Total		15
Term 2: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			Term 6: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		
Term 3 (Semester: Maximum 19 units, 15 units recommended)		Units	Term 7 (Semester: Maximum 19 units, 15 units recommended)		Units
FTEC 114, Building Construction for Fire Protection		3	Program Elective		3
FTEC 115, Fire Behavior and Combustion		3	General Education Area B (Social Science)		3
Program Elective		3	General Elective		3
General Education Area D2 (Math 102 or higher)		3	General Elective		3
General Education C (Humanities)		3	General Elective		3
Total		15	Total		15
Term 4: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			Transfer or Graduate		

Take Summer or Intersession classes if needed to complete the program in a timely manner.

The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any term. Come by the Counseling Center or call.

Certificate/Major Required Courses:	Units	Other Requirements:
FTEC 111, Fire Protection Organization	3	• Minimum grade of "C" required on each course
FTEC 112, Fire Prevention Technology	3	• Maximum of 12 pass/no-pass units accepted for the Degree and
FTEC 113, Fire Protection Equipment and Systems	3	• Refer to catalog or online website for course listings and descriptions
FTEC 114, Building Construction for Fire Protection	3	AS General Education: At least 3 units from each of the following areas below:
FTEC 115, Fire Behavior and Combustion	3	A, B, C, D1, D2, E, and F. Minimum Total GE Units Required 21
Program Electives (See below)	9	Area A Natural Sciences: (min. 3 units)
Program Electives - Complete 9 units from the following:	Units	ANTH 101, 101L
EMT 101, Emergency Medical Technician I	5.5	ASTR 101+, 101L+
FTEC 102, Basic Incident Command System	1	BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+, 204+, 205+
FTEC 117, Preparing to be a Firefighter	3	CHEM 101+, 102+, 110+
FTEC 120, Wildfire Power Saws	2	ELTE 101
FTEC 122, Wildland Firefighter	4	ERSC 101+
FTEC 123, First Responder EMS	2	GEOG 101+, 101L+, 102, 102L+
FTEC 125, Haz Mat First Responder Operations	1.5	GEOG 101+, 101L+, 102+, 102L+
FTEC 126, Wildland Fire Behavior	3	PHYS 101, 102+, 110+, 120+, 211+
FTEC 127, Wildland Firefighter Safety and Survival	3	PSCI 101
FTEC 128, Wildland Fire Operations	3	Area B Social & Behavioral Sciences: (min. 3 units)
FTEC 129, Wildland Public Info. Officer Prevention, and	3	AJ 201, 204, 206
FTEC 130, Wildland Fire Logistics, Finance and Planning	3	ANTH 102, 103, 112, 140
FTEC 131, Followership to Leadership	1	BUS 101
FTEC 132, Advanced Firefighter Training	0.5	CFE 102
FTEC 137, Portable Pumps and Water Use	1	COMM 217+
FTEC 138, Wildland Engine Firefighter	4	DFST 105
FTEC 149, Interagency Incident Business Management	0.5	ECON 100, 101+, 102+, 110
FTEC 150, Basic Air Operations	0.5	GEOG 105, 106, 110
FTEC 199+, Occupational Work Experience	1-8	HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119
FTEC 215+, Rescue Practices	3	POLS 101, 103, 200, 201+, 202+, 203+
FTEC 222, Wildland Fire Control	3	PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+
FTEC 240, Fuel Management and Fire Use	1.5	SOC 101, 105, 110, 111, 112, 115, 116+, 120
FTEC 250+, Intermediate Incident Command System	1.5	Area C Humanities: (min. 3 units)
GEOG 201, Map Interpretation and GPS	4	ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140,
Minimum Units Required for the Certificate/Major:	24	145, 150, 163, 170+, 210+, 213+
other requirements for degree		CHIN 101, 102+, 201+, 202+
General Education	21-27	COMM 103, 112, 114, 214+
Proficiency (See Proficiency Requirements)	*	DA 101
Electives	9-15	DFST 101, 102+, 105, 106, 201+, 202+
Minimum Units Required for AS Degree	60	ENGL 102, 111+, 112+, 113+, 221+, 222+, 225+, 227+, 230+, 231+,
		235+, 236+, 240+, 242+, 246+, 250+, 253+, 256+, 257+, 259+, 265+, 279+
		FREN 101, 102+, 201+, 202+, 203+
		FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
		GER 101, 102+, 201+, 202+
		HIST 115
		ID 150, 201
		LATN 101, 102+, 201+

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MUS 101, 105, 111, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+, 251B+, 253A+, 253B+
 MUSC 102, 103, 107, 108
 PHIL 105, 106, 108, 109
 PHOT 107
 PHTC 101+, 150+, 201+
 SPAN 101, 110SS, 102+, 201+, 202+, 210SS+, 220SS+
 THA 101, 102, 103, 110, 115A, 115B+, 116A+, 116B+, 117A+, 117B+, 118A+, 118B+, 121A, 121B, 130, 133, 225+, 239

Area D Language & Rationality: (min. 3 units from (1) and 3 units from (2))

1. *Academic Composition:* Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.

ENGL 101+

2. *Communication and Analytical Thinking*

BUS 113+

CA 103

CIS 101, 111, 141, 157, 161

COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+

ENGL 102+, 103+

GEOG 201, 205

MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+

150+, 160+, 220+, 230+, 250+

PHIL 110, 106, 110, 201+

NF 100, 102, 103, 110, 150

PSY 212+

SOC 111, 116+

Area E - Additional Breadth: (min. 3 units)

From areas A**, B**, C**, D2**, or

CFE 102 NF 100, 102, 103, 110, 150

COMM 103, 107, 219+ PSY 212

DFST 105 SOC 111, 116

HD 100, 101, 102, 103, 105

HE 101, 120, 201

ID 100, 120

KINT 100

LIB 107, 110

MUSC 108

Any DA activity course(s) from DA102-205, except DA 107A-C, 108, 109, and 111.

Any Kinesiology Fitness (KINF) activity course, Intercollegiate Athletics (IATH) activity course, or up to 4 units for military experience.

**** Courses must be taken from a discipline not previously selected.**

Area F Diversity Studies: (min. 3 units)

ANTH 102, 112 FTV 201, 203

BUS 212 HE 201+

CFE 116+ HIST 110, 111, 113

COMM 114, 217+, 219+ MUSC 107, 108

DFST 105, 106 POLS 202+

ECON 110 SOC 105, 110, 116+

ENGL 250+, 253+, 256+, 257+, 259+ THA 239

Proficiency Requirements

Proficiency requirements exist for the areas of Reading, Writing and Math. Students must demonstrate competency in each of these areas in order to be eligible for the associate degree.

A. READING

Complete ENGL 101 with a "C" or better or completion of READ 099 with a minimum grade of "P" (Pass), or completion of an Associate Degree or higher from a regionally accredited institution of higher education.

B. WRITING

Completion of ENGL 101 with a minimum grade of "C." NOTE: ENGL 101 may be taken with the Pass/No Pass option; however, students are cautioned that other colleges and universities may not accept ENGL 101 courses taken on a Pass/No Pass basis, especially for satisfaction of general education and major requirements. Students planning to transfer should check college catalogs for applicable policies.

C. MATHEMATICS

Completion of MATH 102 or higher or CIS 121 with a satisfactory grade or placement by AVC assessment into a math course higher than MATH 102.

***Fulfilling proficiencies** will not require any extra units if the competencies are demonstrated by including the required courses in the general education, or major requirements, or by satisfying the reading proficiency through AVC's policy.

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "AVC" at the end of a course description can be used as an elective.

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

Double Counting: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.

•Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major. (credit earned by examination will not be included in these 12 units) Title 5, Section 54000:<http://ccr.oal.ca.gov>

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

The **"Catalog Rights Policy"** sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated co-requisite.