



COUNSELING CENTER ADVISING

Wildland Fire Technology Low-Unit Certificate of Achievement

The Wildland Fire Technology program is designed to give students the necessary skills and knowledge in wildland fire management to obtain entry-level employment as a firefighter.

Required Courses	units
FTEC 102, (I-200) Basic Incident Command System	1
FTEC 120, (S-212) Wildfire Power Saws	2
FTEC 122, Wildland Firefighter	4
FTEC 125, Haz Mat First Responder Operations	1.5
FTEC 126, Wildland Fire Behavior	3
FTEC 137, (S-211) Portable Pumps and Water Use	1
FTEC 138, Wildland Firefighter Engine	4
FTEC 149, (S-260) Interagency Incident Business Management	.5
FTEC 150, (S-270) Basic Air Operations	.5
Total Units Required for Certificate	17.5

Wildland Fire Fighter Academy National Wildfire Coordinating Group Certificate

- Obtain an entry level temporary position as a wildland firefighter
- The academy is a cohort of courses which are offered only during summer session. Admission is based on an interview with the Fire Technology instructors

Required Courses	units
FTEC 285, NWCG Wildland Firefighter Academy	10
Total Units Required for Certificate	10

Firefighter 1 Academy

Completes training for the California State Fire Marshall Firefighter 1 certification.

Required Courses	units
FTEC 295A, Firefighter I Academy Module A	8
FTEC 295AL, Firefighter I Academy Module A Lab	2
FTEC 295B, Firefighter 1 Academy Module B	7
FTEC 295BL, Firefighter 1 Academy Module B Lab	2.5
Total Units Required for the Academy	19.5

Prerequisite Completion

If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade in order to enroll in the next course. According to Title 5, Section 55200(d), a satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop.

Certificate Program

- Requires a minimum grade of "C" on each course
- Maximum of 6 pass/no pass units accepted
- Minimum of 12 units completed in residence at AVC with a minimum of 9 of those units completed in the certificate coursework (credit earned by examination will not be included in these 12 units)
- Refer to catalog or online website for course listings, descriptions, and suggested course sequence if available.

FIRE TECHNOLOGY

Required Courses	units
FTEC 111, Fire Protection Organization	3
FTEC 112, Fire Prevention Technology	3
FTEC 113, Fire Protection Equipment and Systems	3
FTEC 114, Building Construction for Fire Protection	3
FTEC 115, Fire Behavior and Combustion	3
Program Electives	9
Total Units Required for Certificate	24

Program Electives

Complete 9 units from the following:	
EMT 101, Emergency Medical Technician 1	5.5
FTEC 102, Basic Incident Command System	1
FTEC 117, Preparing to be a Firefighter	3
FTEC 120, Wildfire Power Saws	2
FTEC 122, Wildland Firefighter	4
FTEC 123, First Responder EMS	2
FTEC 125, Haz Mat First Responder Operations	1.5
FTEC 126, Wildland Fire Behavior	3
FTEC 127, Wildland Firefighter Safety and Survival	3
FTEC 128, Wildland Fire Operations	3
FTEC 129, Wildland Public Info. Officer, Prevention, and Investigation	3
FTEC 130, Wildland Fire Logistics, Finance and Planning	3
FTEC 131, Followership to Leadership	1
FTEC 132, Advanced Firefighter Training	.5
FTEC 137, Portable Pumps and Water Use	1
FTEC 138, Wildland Engine Firefighter	4
FTEC 149, Interagency Incident Business Management	.5
FTEC 150, Basic Air Operations	.5
FTEC 199, Occupational Work Experience	1-8
FTEC 215, Rescue Practices	3
FTEC 222, Wildland Fire Control	3
FTEC 240, Fuel Management and Fire Use	1.5
FTEC 250, Intermediate Incident Command System	1.5
GEOG 201, Map Interpretation and GPS	4

Fire Technology

18-19

AS-Associate Degree (2)

- Requires a minimum grade of "C" on each course in the major
- Maximum of 12 pass/no pass units accepted
- Minimum of 12 units must be completed at AVC (credit earned by examination will not be included in these 12 units)
- Refer to catalog or online website for course listings, descriptions, and suggested course sequence if available

FIRE TECHNOLOGY

Major Required Courses	units
FTEC 111, Fire Protection Organization	3
FTEC 112, Fire Prevention Technology	3
FTEC 113, Fire Protection Equipment and Systems	3
FTEC 114, Building Construction for Fire Protection	3
FTEC 115, Fire Behavior and Combustion	3
Program Electives	9
Total Units Required for Major	24

Program Electives

Complete 9 units from the following:	
EMT 101, Emergency Medical Technician 1	5.5
FTEC 102, Basic Incident Command System	1
FTEC 117, Preparing to be a Firefighter	3
FTEC 120, Wildfire Power Saws	2
FTEC 122, Wildland Firefighter	4
FTEC 123, First Responder EMS	2
FTEC 125, Haz Mat First Responder Operations	1.5
FTEC 126, Wildland Fire Behavior	3
FTEC 127, Wildland Firefighter Safety and Survival	3
FTEC 128, Wildland Fire Operations	3
FTEC 129, Wildland Public Info. Officer, Prevention, and Investigation	3
FTEC 130, Wildland Fire Logistics, Finance and Planning	3
FTEC 131, Followership to Leadership	1
FTEC 132, Advanced Firefighter Training	.5
FTEC 137, Portable Pumps and Water Use	1
FTEC 138, Wildland Engine Firefighter	4
FTEC 149, Interagency Incident Business Management	.5
FTEC 150, Basic Air Operations	.5
FTEC 199, Occupational Work Experience	1-8
FTEC 215, Rescue Practices	3
FTEC 222, Wildland Fire Control	3
FTEC 240, Fuel Management and Fire Use	1.5
FTEC 250, Intermediate Incident Command System	1.5
GEOG 201, Map Interpretation and GPS	4

other requirements for degree

General Education	21-27
Proficiency (See Proficiency Requirements)	*
Electives	9-15

Minimum Units Required 60

*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.

Wildland Fire Technology

Major Required Courses	units
FTEC 126, Wildland Fire Behavior	3
FTEC 127, Wildland Firefighter Safety and Survival	3
FTEC 128, Wildland Fire Operations	3
FTEC 129, Wildland Public Info. Officer, Prevention, and Investigation	3
FTEC 130, Wildland Fire Logistics, Finance and Planning	3
Program Electives	15
Total Units Required for Major	30

Program Electives

Complete 15 units from the following:

EMT 101, Emergency Medical Technician (EMT)	5.5
FTEC 102, Basic Incident Command System	1
FTEC 120, Wildfire Power Saws	2
FTEC 122, Wildland Firefighter	4
FTEC 123, First Responder EMS	2
FTEC 125, Haz Mat First Responder Operations	1.5
FTEC 131, Followership to Leadership	1
FTEC 132, Advanced Firefighter Training	.5
FTEC 137, Portable Pumps and Water Use	1
FTEC 138, Wildland Engine Firefighter	4
FTEC 141, Ignition Operations	1
FTEC 142, Wildland Origin and Cause Determination	1.5
FTEC 144, Single Resource Crew Boss	1.5
FTEC 149, Interagency Incident Business Management	.5
FTEC 150, Basic Air Operations	.5
FTEC 222, Wildland Fire Control	3
FTEC 240, Fuel Management and Fire Use	1.5
FTEC 250, Intermediate Incident Command System	1.5
GEOG 201, Map Interpretation and GPS	4
GEOG 205, Intro. to Geographic Information Systems	3

other requirements for degree

General Education	21-27
Proficiency (See Proficiency Requirements)	*
Electives	3-9
Minimum Units Required	60

General Education Requirements

At least 3 units from each of the following areas below: A, B, C, D1, D2, E, and F.

Minimum Total GE Units Required	21
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Area A Natural Sciences

(min. 3 units)

ANTH 101, 101L
 ASTR 101, 101L
 BIOL 100, 101, 101L, 102, 103, 104, 110, 120, 201, 202, 204, 205
 CHEM 101, 102, 110
 ELTE 101
 ERSC 101
 GEOG 101, 101L, 102, 102L
 GEOL 101, 101L, 102, 102L
 PHYS 101, 102, 110, 120, 211
 PSCI 101

Area B Social & Behavioral Sciences

(min. 3 units)

AJ 201, 204, 206
 ANTH 102, 103, 112, 140
 BUS 101
 CFE 102
 COMM 217
 DFST 105
 ECON 100, 101, 102, 110
 GEOG 105, 106, 110
 HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119
 POLS 101, 103, 200, 201, 202, 203
 PSY 101, 201, 212, 230, 232, 233, 234, 235, 236
 SOC 101, 105, 110, 111, 112, 115, 116, 120

Area C Humanities

(min. 3 units)

ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136, 137, 140, 145, 150, 163, 170, 210, 213
 CHIN 101, 102, 201, 202
 COMM 103, 112, 114, 214
 DA 101
 DFST 101, 102, 105, 106, 201, 202
 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
 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 101, 106, 110, 201

Area E - Additional Breadth

(min. 3 units)

From areas A**, B**, C**, D2 **or
 CFE 102
 COMM 103, 107, 219
 DFST 105
 HD 100, 101, 102, 103, 105
 HE 101, 120, 201
 ID 100, 120
 KINT 100
 LIB 107, 110
 MUSC 108
 NF 100, 102, 103, 110, 150
 PSY 212
 SOC 111, 116

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
 BUS 212
 CFE 116
 COMM 114, 217, 219

DFST 105, 106
 ECON 110
 ENGL 250, 253, 256, 257, 259
 FTV 201, 203
 HE 201
 HIST 110, 111, 113
 MUSC 107, 108
 POLS 202
 SOC 105, 110, 116
 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

Eligibility for College Level Reading (AVC assessment) 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.

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.

Residence Requirement

Of the required 60 units, "at least 12 semester units must be completed in residence at the college granting the degree." Title 5, Section 54000 et seq. Title 5 of the California Code of Regulations is available at <http://ccr.oal.ca.gov> and in the Antelope Valley College Library.

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.

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.

Requirements for Two or More Certificates

To earn more than one certificate, a course can be used as part of as many certificate requirements as the student wishes to obtain.

Transfer

Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center and consult with a counselor as soon as

possible to develop a plan of studies. Additional information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site:
www.assist.org

Transferability of courses to the CSU or UC systems is indicated at the end of a course description by the notation “(UC, CSU).” For the transferability of courses to all other universities, please consult with a counselor or the Transfer Resource Center.

The “**Catalog Rights Policy**” sets forth the criteria used for determining the degree requirements under which students may graduate. For an educational plan, please consult with a counselor. To obtain counseling services please call: (661) 722-6300 ext. 6338

EMT 101 EMERGENCY MEDICAL TECHNICIAN (EMT). *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 065. (AVC)

FTEC 102 *(I-200) BASIC INCIDENT COMMAND SYSTEM. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 111 *FIRE PROTECTION ORGANIZATION *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 112 *FIRE PREVENTION TECHNOLOGY *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 113 *FIRE PROTECTION EQUIPMENT AND SYSTEMS. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 114 *BUILDING CONSTRUCTION FOR FIRE PROTECTION. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 115 *FIRE BEHAVIOR AND COMBUSTION *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (AVC)

FTEC 117 *PREPARING TO BE A FIREFIGHTER *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 120 *(S-212) WILDFIRE POWER SAWS *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 122 *WILDLAND FIREFIGHTER *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 125 *HAZ MAT FIRST RESPONDER OPERATIONS. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 126 *WILDLAND FIRE BEHAVIOR *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 127 *WILDLAND FIREFIGHTER SAFETY AND SURVIVAL. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 128 *WILDLAND FIRE OPERATIONS *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 129 *WILDLAND PUBLIC INFORMATION OFFICER, PREVENTION AND INVESTIGATION *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 130 *WILDLAND FIRE LOGISTICS, FINANCE AND PLANNING. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 131 *(L-280) FOLLOWERSHIP TO LEADERSHIP. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 132 *(S-131) ADVANCED FIREFIGHTER TRAINING. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 137 *(S-211) PORTABLE PUMPS AND WATER USE. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 138 *WILDLAND ENGINE FIREFIGHTER *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 141 *(S-234) IGNITION OPERATIONS *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 142 *(P-151) WILDFIRE ORIGIN AND CAUSE DETERMINATION. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 144 *(S-230) SINGLE RESOURCE CREW BOSS. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 149 *(S-260) INTERAGENCY INCIDENT BUSINESS MANAGEMENT. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 150 *(S-270) BASIC AIR OPERATIONS *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (AVC)

FTEC 199 *OCCUPATIONAL WORK EXPERIENCE. **Prerequisite:** To participate in work experience, students must have a job or internship which is either paid or voluntary and have the approval of the supervisor and instructor supervising work experience in the specific subject area. PRIOR TO ENROLLING, students must attend a scheduled orientation or meet individually with the supervising instructor for an individual orientation. (CSU, AVC)

FTEC 215 *RESCUE PRACTICES **Prerequisite:** Completion of or concurrent enrollment in FTEC 111. (AVC)

FTEC 222 *WILDLAND FIRE CONTROL *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (AVC)

FTEC 240 *FUEL MANAGEMENT AND FIRE USE *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 250 *(I-300) INTERMEDIATE INCIDENT COMMAND SYSTEM. **Prerequisite:** Completion of FTEC 102 or FTEC 295A. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 285 *NWCG WILDLAND FIREFIGHTER ACADEMY. *Limitation on Enrollment (see catalog).* (CSU, AVC)

FTEC 295A *FIREFIGHTER 1 ACADEMY MODULE A. *Limitation on Enrollment (see catalog)* **Corequisite:** Concurrent enrollment in FTEC 295AL. *Advisory:* Completion of FTEC 111, Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 295AL *FIREFIGHTER 1 ACADEMY MODULE A LAB. *Limitation on Enrollment (see catalog).* **Corequisite:** Concurrent enrollment in FTEC 295A. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 295B *FIREFIGHTER 1 ACADEMY MODULE B. **Prerequisite:** Completion of FTEC 295A and FTEC 295AL. **Corequisite:** Concurrent enrollment in FTEC 295BL. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

FTEC 295BL *FIREFIGHTER 1 ACADEMY MODULE B LAB. *Limitation on Enrollment (see catalog).* **Prerequisite:** Completion of FTEC 295A and FTEC 295AL. **Corequisite:** Concurrent enrollment in FTEC 295B. *Advisory:* Eligibility for ENGL 100A, READ 099 and MATH 070. (CSU, AVC)

GEOG 201 *MAP INTERPRETATION AND GPS *Advisory:* Completion of MATH 105, and Eligibility for College Level Reading and ENGL 101. (CSU, AVC)

GEOG 205 *INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS *Advisory:* Completion of CA 103 and MATH 105, and Completion of or concurrent enrollment in GEOG 201 and MATH 102, and Eligibility for College Level Reading and ENGL 101. (CSU, AVC)

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 requisite.