

# FIRE TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

Completion of the Fire Technology Associate of Applied Science degree provides students with the knowledge and skills required for a successful career in the fire service. The degree is designed to build on completion of the Fire Academy, which satisfies the curriculum requirements of the Texas Commission on Fire Protection (TCFP) for Basic Structure Fire Suppression personnel. Subsequent courses in the degree are designed to provide students with the knowledge and skills necessary for first-level supervision in a fire department.

To obtain TCFP certification as Basic Structure Fire Suppression Personnel, students must complete both an approved Fire Academy and a recognized emergency medical course. The Fire EMT Basic Enhanced Skills Certificate is provided to satisfy this requirement.

Students have the option to declare the Fire Officer Certificate as their major, which includes six embedded TCFP certifications: Fire Instructor I and II, Fire Officer I and II, or Fire Officer III and IV, Fire Investigator or Fire Inspector with Plans Examiner, and Incident Safety Officer. These certifications enhance employment and promotional opportunities within fire departments. The certificate allows students to focus entirely on fire science courses without having to take the general education courses required for the Fire Technology AAS.

*Effective September 1, 2017, HB 1508 amends the Texas Occupations Code Section 53 that requires education providers to notify potential or enrolled students that a criminal history may make them ineligible for an occupational license upon program completion. Program-specific information will be provided in the course syllabi.*

Information regarding specific state requirements, start dates, and applications can be obtained by calling the Public Service Careers Department at 409-933-8285 or the Fire Technology Director at 409-933-8934.

## Stackable Credentials

- Associate of Applied Science - Fire Technology (p. 1)
- Certificate - Fire Officer (<http://coursecatalog.com.edu/catalog/areas-of-study/public-safety/fire-officer-cert1/#fulltimescheduletext>)

## Stackable Credentials

- Enhanced Skills Certificate - Fire EMT Basic (<http://coursecatalog.com.edu/catalog/areas-of-study/public-safety/fire-emt-basic-enhanced-skills-cert/#fulltimescheduletext>)
- Associate of Applied Science - Fire Technology (p. 1)
- Certificate - Fire Academy (<http://coursecatalog.com.edu/catalog/areas-of-study/public-safety/fire-academy-cert1/#fulltimescheduletext>)

## Full-Time Student Schedule

Course	Title	Semester Credit Hours
<b>Semester #1</b>		
FIRS 1401	Firefighter Certification I	4
FIRS 1407	Firefighter Certification II	4

FIRS 1313	Firefighter Certification III	3
FIRS 1319	Firefighter Certification IV	3
FIRS 1323	Firefighter Certification V	3
FIRS 1329	Firefighter Certification VI	3
FIRS 1433	Firefighter Certification VII	4
Select from one of the following:		1
FIRS 1103	Firefighter Agility & Fitness Preparation	
PHED 1164	Introduction to Physical Fitness and Wellness <sup>1</sup>	

**Semester Credit Hours 25**

<b>Semester #2</b>		
FIRT 2309 or FIRT 1392	Firefighting Strategies and Tactics I or Special Topics in Fires Service Administration - Fireground Incident Commander	3
FIRT 2407	Fire Instructor II	4
GOVT 2305 or GOVT 2306	Federal Government (Federal Constitution & Topics) <sup>1</sup> or Texas Government (Texas Constitution & Topics)	3
MATH 1342	Elementary Statistical Methods <sup>1</sup>	3
ENGL 1301	Composition I <sup>1</sup>	3

**Semester Credit Hours 16**

<b>Semester #3</b>		
FIRT 1443 or FIRT 2457	Fire Officer II or Fire Officer IV	4
FIRT 1450 or FIRT 1440	Fire Investigator or Fire Inspector II	4
CHEM 1406 or CHEM 1411	Introductory Chemistry I <sup>1</sup> or General Chemistry I	4

**Semester Credit Hours 12**

<b>Semester #4</b>		
FIRT 1353 or FIRT 1305	Legal Aspects of Fire Protection Service or Public Education Programs	3
FIRT 2111	Incident Safety Officer	1
Select from one of the following:		3
PHIL 2306	Introduction to Ethics <sup>1</sup>	
HUMA 1301	Introduction to the Humanities I <sup>1</sup>	
ENGL 2327	American Literature I <sup>1</sup>	

**Semester Credit Hours 7**

**Total Semester Credit Hours 60**

<sup>1</sup> Course(s) listed in the Texas Common Course Numbering System (<https://tcns.org/institution/id:14/yid:19/>). This includes PHED 1164.