



## AAS 6636 Fire Science Technology Effective Fall 2019

**62 Credits**

*This is an overview of the program. Any suggested course sequencing is meant to serve as a guideline for your semester planning. Students are expected to see their assigned advisor to develop and review their individual educational plans. The scheduling of courses, program sequencing and curriculum are subject to change.*

### Developmental Courses (as determined through College Placement Testing)\* and Prerequisites:

*\* Zero level courses must be completed with a C grade or higher.*

<input type="checkbox"/> ESL classes	<input type="checkbox"/> ENGL 050	<input type="checkbox"/> MATH 006	<input type="checkbox"/> MATH 090 – Fundamentals of Algebra I
<input type="checkbox"/> ENGL 002	<input type="checkbox"/> ENGL 051	<input type="checkbox"/> MATH 070 – Fundamentals of Quantitative Lit	<input type="checkbox"/> MATH 091 – Fundamentals of Algebra II
<input type="checkbox"/> ENGL 003	<input type="checkbox"/> ENGL 057	<input type="checkbox"/> MATH 080 – Fundamentals of Statistics	

### General Education Courses

<b>ENGL 110</b>	3cr	Prerequisite: Eligibility for enrollment into ENGL 101; Co-requisite: ENGL 003
<b>COMM 101 or 203</b>	3cr	COMM 101 Prerequisite: Eligibility for enrollment into ENGL 101 and completion of any reading courses as required by the College Testing and Placement Program COMM 203 Prerequisite: ENGL 101 with a grade of C or higher
<b>Humanities &amp; Arts Elective</b>	3cr	
<b>Math or Science Elective</b>	3cr	
<b>Social &amp; Behavioral Science Elective</b>	3cr	Select from ANTH 101, ANTH 205, COMM 253, GEOG 201, GEOG 230, HIST 102, PSYC 229, SOCI 201, 202, 203 or 205
<b>Free Elective</b>	3cr	**EMT is equivalent
<b>Wellness</b>	1cr	
<b>First Year Seminar (FYS)</b>	1cr	

### Required Program Courses

<b>CHEM 113 OR CHEM 100</b>	3cr	Chemistry for the Nonscientist <u>OR</u> Principles of Chemistry	CHEM 100 Prerequisite: MATH 033, 044, & 055 (or MATH 051); ENGL 003, 007, or 057 with grades of C or higher when identified by the College Placement & Testing Program
<b>CIS 105</b>	3cr	Introduction to Software for Business	Prerequisite: ENGL 057 or a combination of ENGL 003, or 007 and 051 with grades of C or higher or their equivalents
<b>FIRE 101</b>	3cr	Principles of Emergency Services	Prerequisite: Eligibility for enrollment into ENGL 051 <b>*Equivalent = Pro Board Firefighter I &amp; II</b>
<b>FIRE 102</b>	3cr	Fire Prevention	Prerequisite: Eligibility for enrollment into ENGL 051 <b>*Equivalent = Pro Board Inspector I &amp; II</b>
<b>FIRE 103</b>	3cr	Principles of Fire and Emergency Services Safety and Survival	Prerequisite: FIRE 101 with a grade of C or higher; Eligibility for enrollment into ENGL 051; Recommended: GP 202
<b>FIRE 105</b>	3cr	Building Construction for Fire Protection	Prerequisite: ENGL 051 or 057 or higher
<b>FIRE 106</b>	3cr	Fire Behavior and Combustion	Prerequisite: ENGL 051 or 057 with a grade of C or higher
<b>FIRE 201</b>	3cr	Fire Protection Hydraulics and Water Supply	Prerequisite: MATH 033, 044, & 055 (or MATH 051) and FIRE 101 with grades of C or higher; or, permission of the Instructor
<b>FIRE 202</b>	3cr	Hazardous Materials Chemistry	Prerequisite: ENGL 051 or 057 or higher <b>*Equivalent = Pro Board Haz Mat Technician</b>

<b>FIRE 203</b>	3cr	Fire Protection Systems	Prerequisite: ENGL 051 or 057 or higher
<b>FIRE 204</b>	3cr	Fire Investigation I	Prerequisite: FIRE 101; ENGL 101 or 110 with grades of C or higher. Corequisite: ENGL 101 or 110 <b>*Equivalent = Pro Board Fire Investigator I</b>
<b>FIRE 207</b>	3cr	Educational Methodology	Prerequisite: FIRE 101; ENGL 101 or 110 with grades of C or higher. Corequisite: ENGL 101 or 110 <b>*Equivalent = Pro Board Fire Instructor I</b>
<b>FIRE 209</b>	3cr	Fire and Emergency Services Administration	<b>*Equivalent = Pro Board Fire Officer I &amp; II</b>
<b>FIRE 210</b>	3cr	Strategy and Tactics	

### Advising Notes

The Fire Science Technology AAS degree is designed to provide individuals with the technical and professional knowledge required to make decisions regarding fire protection for both the public and private sectors. This curriculum also provides a solid foundation for continuous higher learning in fire protection, administration, and management. This curriculum follows the U.S. Fire Administration/National Fire Academy's Fire and Emergency Services Higher Education (FESHE) Model for Professional Development.

\*Course equivalency may be awarded for current Pro Board certifications. Certifications must be from the Pro Board Fire Service Professional Qualifications system and should be submitted for review and approval.

\*\* Pa. Dept. of Health or National Registry of Emergency Medical Technicians certification is equivalent to EMS 131 and EMS 132 and may serve as Free Elective.

### RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS

Part-time students can complete this program by taking one or more courses each semester.

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
CIS 105	3	COMM 101 or 203	3	FIRE 201	3	FIRE 204	3
ENGL 110	3	CHEM 113 or 100	3	FIRE 202	3	FIRE 207	3
FIRE 101	3	FIRE 102	3	FIRE 209	3	FIRE 210	3
FIRE 103	3	FIRE 105	3	Humanities/Arts Elective	3	Math/Science Elective	3
FIRE 106	3	FIRE 203	3	Open Elective	3	Social/Behavioral Science Elective	3
FYS Elective	1					Wellness	1

### Counselor/Advisor Contact Information by Campus:

<u>Gettysburg</u>	<u>Harrisburg</u>	<u>Lancaster</u>	<u>Lebanon</u>	<u>York</u>
Student Services	Counseling and Advising	Counseling and Advising	Receptionist Desk	Counseling and Advising
Lobby	Cooper 219	221 Main	Lobby	Leader Suite 104
717-337-3855	717-780-2498	717-358-2988	717-270-4222	717-801-3213