

Associate in Applied Science in Fire Science

Program Outcomes

Upon completion of this degree, students will have enhanced their firefighting techniques and developed a better understanding of building materials and fire prevention.

Employment Opportunities or Additional Educational Options

This degree is designed to promote career advancement for the already-certified volunteer or career firefighter.

To Learn More About This Program

Contact Niles Campus Student Services at 800-456-8675, ext 4811 or niles@swmich.edu.

Degree Requirements

To earn this degree, students must have an overall GPA of 2.0 or higher, complete a minimum of 60 credit hours, and fulfill the course requirements of the program listed below. Students are permitted to complete a higher-level math course than shown below. Each general education course, prerequisite course, internship, and capstone course must be completed with a final grade of "C" or better.

General Education Courses

COMMUNICATIONS

Course ID	Course	Credits
ENGL 103 or ENGL 103W	Freshman English 2 (or with workshop)	3 to 4 credits
ENGL 104	Freshman English 3	3 credits
SPEE 104	Intro to Human Communication	3 credits

MATHEMATICS

Course ID	Course	Credits
MATH 101	Introductory Algebra	4 credits

NATURAL SCIENCE

Course ID	Course	Credits
CHEM 100	Fundamentals of Chemistry	4 credits

SOCIAL SCIENCE

Course ID	Course	Credits
POSC 201	American Government	3 credits
PSYC 101 or SOCI 201	General Psychology or Principles of Sociology	3 credits

Major-specific Required Courses

Course ID	Course	Credits
EDUC 120	Educational Exploration and Planning	1 credit
FISC 102	Firefighting 2	12 credits
FISC 110	Fire Prevention	3 credits
FISC 111	Building Construction	3 credits
FISC 112	Service Tactics	3 credits
FISC 210	Fire Cause Determination	3 credits
FISC 211	Instructional Techniques	3 credits
FISC 213	Intro to Fire Detection and Suppression	3 credits
HEED 131	Emergency Medical Technician 1	5 credits
HEED 132	Emergency Medical Technician 2	5 credits
ISYS 110	Intro to Computer Technology	3 credits
PHED 103	Life Wellness	2 credits

Total Program Credits: 69

Additional Notes About the A.A.S. in Fire Science Program

- A prerequisite course may be needed prior to enrollment in some courses within this program. Specific prerequisite requirements are listed in the Course Description section in the Course Catalog. A summary of the prerequisites are listed below in the Example Course Sequence section.
- This program as outlined does not meet MTA requirements. Students who are interested in satisfying the MTA need to complete a higher-level mathematics course, another natural science course, and two different humanities courses. Please see your advisor for specific guidelines for the MTA to ensure proper course selection.
- The 12 credits of FISC 102 are only available to students who present a valid Firefighter 1 and 2 certificate from the Michigan Fire Fighters Training Council or the Indiana Public Safety Institute with Hazmat training.
- Courses taken out of sequence may delay a student's ability to complete the program in a timely manner. Please consult your advisor regularly.
- Each student should submit a graduation application at least one full semester before he/she plans to graduate.
- This program is subject to change. Students should consult with their advisor for program updates.

Example Course Sequence

The following is a sample of a semester-by-semester approach to completing this program.

FIRST SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
EDUC 120 Educational Exploration and Planning	1 credit	ENGL 115 or test score (concurrent enrollment allowed)
HEED 131 Emergency Medical Technician 1	5 credits	ENGL 115 or test score (concurrent enrollment allowed)
MATH 101 Introductory Algebra	4 credits	MATH 098 or test score
ENGL 103 or ENGL 103W Freshman English 2 (or with workshop)	3 to 4 credits	ENGL 115 or test score (concurrent enrollment allowed)
FISC 213 Intro to Fire Detection and Suppression	3 credits	None

SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
ENGL 104 Freshman English 3	3 credits	ENGL 103 or 103W
CHEM 100 Fundamentals of Chemistry	4 credits	MATH 101, MATH 102, or test score (concurrent enrollment allowed); ENGL 115 or test score (concurrent enrollment allowed)
HEED 132 Emergency Medical Technician 2	5 credits	Successful completion of both the practical and written components of HEED 131
PHED 103 Life Wellness	2 credits	None

THIRD SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
FISC 210 Fire Cause Determination	3 credits	None
PSYC 101 General Psychology or SOCI 201 Principles of Sociology	3 credits	ENGL 115 or test score (concurrent enrollment allowed)
FISC 211 Instructional Techniques	3 credits	None
SPEE 104 Intro to Human Communication	3 credits	ENGL 115 or test score (concurrent enrollment allowed)
ISYS 110 Intro to Computer Technology	3 credits	None

FOURTH SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of "C" Required)
FISC 110 Fire Prevention	3 credits	None
FISC 111 Building Construction	3 credits	None
FISC 112 Service Tactics	3 credits	None
POSC 201 American Government	3 credits	ENGL 115 or test score (concurrent enrollment allowed)