

## FIRE TECHNOLOGY

### Credentials

Fire Fighter Technology certificate.....	30 cr.
Fire Technology AAS degree.....	66 cr.
Fire Technology with Academy AAS degree.....	66 cr.

### Major Description

Today's fire fighter assumes a wide range of responsibilities, from rescuing victims, fighting fires, and salvaging the contents of buildings to providing medical services at the scene of a traffic accident or other emergency. Schoolcraft College offers three ways to work your way into this field.

Our certificate program provides career training for fire protection technicians. It is designed for students who are currently employed by Michigan Fire Marshal recognized fire departments, volunteer in recognized fire districts, or currently seeking employment. The program works in cooperation with the Michigan Fire Fighters Training Council and can prepare you to take the state exam for certification as an entry-level fire fighter.

Our fire technology associate in applied science program is geared toward students wishing to attend part-time. A combination of lectures and hands-on activities can prepare you to respond in a variety of emergencies. Our fire technology with academy degree program contains the same courses, but is focused on students wishing to attend full-time.

- Participate in courses that utilize Schoolcraft's state-of-the-art Public Safety Training Complex. It includes a four-story burn tower that simulates a variety of fire fighting and rescue situations, including high-angle approaches.
- Credits may transfer toward a bachelor's degree at a four-year college or university.

### Job Titles & Median Salaries or Hourly Rates

- Fire Fighter: \$45,250 (national)

### *Fire Technology AAS Degree*

Recognizing the need for more highly skilled fire fighters, many municipalities now require additional education for their employees. The curriculum developed for the associate in applied science degree program combines lecture with hands-on activities to prepare the student to respond to a variety of emergencies. Specialists in the field provide valuable input on both content and methodology.

The fire technology associate degree program is designed for students who wish to attend part time. All courses are not offered each semester. Students should work with an academic advisor or counselor to develop a schedule that will work for them. Students who satisfactorily complete all college and program requirements qualify for an associate in applied science degree.

**Contact the Fire Technology office at 734-462-4745 for additional information.**

#### SAMPLE SCHEDULE OF COURSES

##### First Year—Fall Semester

FIRE 112	Fire Fighter 1—Basic Fire Suppression.....	10
ENG 100	Communication Skills.....	3
MATH 101	Business Mathematics.....	3

**Total Credits 16**

##### First Year—Winter Semester

FIRE 119	Fire Fighter 2—Advanced Fire Suppression....	10
BIOL 101	General Biology .....	4
PE 202	Lifestyle Fitness—Wellness .....	2

**Total Credits 16**

##### First Year—Spring/Summer Session

FIRE 125	Building Construction for the Fire Service.....	3
HUM 106	Introduction to Art and Music .....	1

**Total Credits 4**

#### Second Year—Fall Semester

ENG 116	Technical Writing.....	3
EMT 115	Emergency Medical Technology—Basic .....	10
FIRE 130	Fire Fighting—Tactics and Strategy.....	3

**Total Credits 16**

#### Second Year—Winter Semester

FIRE 128	Fire Fighting—Hydraulics and Water Supply ...	4
PSYCH 153	Human Relations.....	3
FIRE 200	Fire and Arson Investigation .....	4
Elective	Select from the list below .....	3

**Total Credits 14**

### PROGRAM TOTAL 66 CREDITS

*Students planning to transfer should check the transfer institution's requirements/guides or discuss their options with a counselor or advisor. Number of credits may vary depending on the course selection.*

#### Electives

FIRE 135	Fire Protection Systems.....	3
FIRE 205	Fire Department Organization and Administration .....	3
FIRE 207	Fire Company Officer .....	3
BIOL 236	Human Anatomy and Physiology.....	5

The Fire Technology Fire Fighter 1, 2 and fire academy programs are certified by the Michigan Office of Fire Fighter Training. For more information regarding certification please contact:

Bureau of Fire Services/OFFT  
 PO Box 30700  
 Lansing, MI 48909  
 616-447-2689  
[www.michigan.gov](http://www.michigan.gov)

The fire technology associate degree with academy is designed for students who wish to attend full time.

All courses are not offered each semester. Students should work with an academic advisor or counselor to develop a schedule that will work for them. Students who satisfactorily complete all college and program requirements qualify for an associate in applied science degree.

Contact the Fire Technology office at 734-462-4745 for additional information.

**SAMPLE SCHEDULE OF COURSES**

**First Year—Fall Semester**

FIRE 124	Fire Academy.....	20
		<b>Total Credits 20</b>

**First Year—Winter Semester**

ENG 100	Communication Skills.....	3
MATH 101	Business Mathematics.....	3
FIRE 200	Fire and Arson Investigation .....	4
BIOL 101	General Biology .....	4
		<b>Total Credits 14</b>

**Fire Technology AAS Degree with Academy**

**First Year—Spring/Summer Session**

FIRE 125	Building Construction for the Fire Service.....	3
HUM 106	Introduction to Art and Music .....	1
		<b>Total Credits 4</b>

**Second Year—Fall Semester**

ENG 116	Technical Writing.....	3
EMT 115	Emergency Medical Technology—Basic .....	10
FIRE 130	Fire Fighting—Tactics and Strategy.....	3
		<b>Total Credits 16</b>

**Second Year—Winter Semester**

FIRE 128	Fire Fighting—Hydraulics and Water Supply ...	4
PSYCH 153	Human Relations.....	3
PE 202	Lifestyle Fitness—Wellness .....	2
Elective	Select from the list below .....	3
		<b>Total Credits 12</b>

**PROGRAM 66 CREDITS**

Students planning to transfer should check the transfer institution’s requirements/guides or discuss their options with a counselor or advisor. Number of credits may vary depending on the course selection.

**Electives**

FIRE 135	Fire Protection Systems.....	3
FIRE 205	Fire Department Organization and Administration .....	3
FIRE 207	Fire Company Officer .....	3
BIOL 236	Human Anatomy and Physiology.....	5

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**Fire Fighter Technology Certificate**

The fire fighter technology program provides career training for fire protection technicians. The program is offered in cooperation with the Michigan Fire Fighters Training Council and focuses on meeting the needs of fire service personnel. It is designed for students who are currently employed by Michigan Fire Marshal/recognized fire departments, currently seeking employment, and/or volunteer in recognized fire districts. All courses meet the state-mandated requirements for preparing students to take the state exam for certification as entry-level fire fighters.

Fire Fighter 1, 2, and/or Academy courses require students to attain an average of 70 percent or better on test scores and to score at least 70 percent on their final exam to receive a passing grade of 2.0. The Emergency Medical Technology—Basic course requires an average of 80 percent on tests and an 80 percent on the final for a grade of 2.7. Students achieving an 80 percent or higher in Emergency Medical Technology—Basic course will receive a certificate of completion and be eligible to test for State licensure. Practical skills in both areas must be passed at stated proficiency levels to successfully complete each course and be recommended for the state certification exams.

All courses are not offered each semester. Students should work with an academic advisor or counselor to develop a schedule that will work for them. Students who satisfactorily complete the program requirements qualify for a certificate of program completion.

Contact the Fire Technology office at 734-462-4745 for additional information.

**SAMPLE SCHEDULE OF COURSES**

**First Year—Fall Semester**

FIRE 112	Fire Fighter 1—Basic Fire Suppression.....	10
		<b>Total Credits 10</b>

**First Year—Winter Semester**

FIRE 119	Fire Fighter 2—Advanced Fire Suppression....	10
		<b>Total Credits 10</b>

**First Year—Spring Session**

EMT 115	Emergency Medical Technology—Basic .....	10
		<b>Total Credits 10</b>

**PROGRAM TOTAL 30 CREDITS**

**(ALTERNATE) First Year—Fall Semester**

FIRE 124	Fire Academy.....	20
		<b>Total Credits 10</b>

**First Year—Winter Semester**

EMT 115	Emergency Medical Technology—Basic .....	10
		<b>Total Credits 10</b>

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