

harness your inner hero

FIREFIGHTER TECHNICIAN ACADEMY



MID-STATE
TECHNICAL COLLEGE



Extinguish any doubt and jumpstart your career as a firefighter. Firefighters are known for taking quick action and performing under pressure. Mid-State's Firefighter Technician Academy prepares you for success in this challenging role.

Developed for high school students in partnership with the Marshfield Fire Department, Marshfield High School, and Columbus High School, this program will give you a competitive edge as you prepare for your career in fire protection.

**local demand for highly skilled firefighters
is rising now—get ready to save lives**

START IN HIGH SCHOOL

- Save money on college tuition.
- With many classes already completed during high school, graduate from college faster and start your career earlier.
- Gain hands-on experience now and start making connections in your local fire department.

Choose your path:

Option 1 – Firefighter Technician Academy, p. 3

Option 2 – Be Elite, p. 4

Option 3 – Be Ready to Serve, p. 4

Register Today! You can register for Firefighter Technician Academy classes any time. Talk to your guidance counselor to get started.

For more information about the classes, call Morgan Anderson at **715.389.7052** or email morgan.anderson@mstc.edu.

option 1 - firefighter technician academy

If you are a current high school student in the Marshfield area considering a career as a firefighter, the Firefighter Technician Academy provides the training you need to protect lives and property in your community.

Follow the recommended schedule of Mid-State Technical College courses below, or go at your own pace.

YEAR 1 • RECOMMENDED JUNIOR YEAR

FALL | 5 MID-STATE CREDITS

Firefighting Principles Firefighter 1*	4 Credits
Hazardous Materials Awareness & Operations*	1 Credit

**Take Principles/Fire 1 and Hazardous Materials Awareness & Operations to be eligible to volunteer at a local fire department (department dependent).*

SPRING | 6 MID-STATE CREDITS

Advanced Firefighting Practices Firefighter 2	3 Credits
Building Construction for Fire Protection	3 Credits

YEAR 2 • RECOMMENDED SENIOR YEAR

FALL | 8 MID-STATE CREDITS

EMT Foundations	3 Credits
Principles of Emergency Services	2 Credits
Principles of Emergency Services Safety and Survival	3 Credits

SPRING | 5 MID-STATE CREDITS

EMT Applications	2 Credits
Fire Behavior & Combustion	3 Credits

See pages 5-7 for detailed course descriptions.



option 2 - be elite

Serious about pursuing a career in firefighting? The Elite Firefighter Technician Academy is recommended for Marshfield-area high school students who are certain of fire protection as a career choice. With this option you will play an integral role in the safety of your community and get the very best preparation for this in-demand career of service by adding **community volunteerism** to the Mid-State college courses of the **Firefighter Technician Academy**.

To be eligible for the Elite Firefighter Technician Academy:

- Be a high school senior who has successfully completed Year 1 of the Firefighter Technician Academy.
- Interview and be accepted to the Marshfield Fire Department Internship Program.
- Complete volunteer hours and competency-based training with the Marshfield Fire Department.
- Enroll in and attend the Mid-State Technical College courses suggested for Year 2 of the Firefighter Technician Academy or any fire/EMT classes at Mid-State.



option 3 - be ready to serve

Interested in serving as a volunteer firefighter? To qualify for service as a volunteer, complete the first two courses of the Fire Technician Academy in fall of your junior or senior year.

FALL | 5 MID-STATE CREDITS

Firefighting Principles | Firefighter 1*

4 Credits

Hazardous Materials Awareness & Operations*

1 Credit

**Take Principles/Fire 1 and Hazardous Materials Awareness & Operations to be eligible to volunteer at a local fire department (department dependent).*

FIREFIGHTER TECHNICIAN ACADEMY COURSE DESCRIPTIONS

YEAR 1 • RECOMMENDED JUNIOR YEAR

FALL | 5 MID-STATE CREDITS

Firefighting Principles | Firefighter 1

4 Credits

Describes basic fire behavior, techniques used to control structural and related fire emergencies, and life safety practices. Students perform all practical evolutions necessary to control and extinguish fires and otherwise meet all requirements for Firefighter I certification in the State of Wisconsin.

Corequisite: Hazardous Materials Awareness & Operations

Hazardous Materials Awareness & Operations

1 Credit

Examines characteristics relating to hazardous materials, including problems of recognition and mitigation. Prepares students to advance toward the Hazardous Materials Technician Level.

Corequisite: Firefighting Principles

SPRING | 6 MID-STATE CREDITS

Advanced Firefighting Practices | Firefighter 2

3 Credits

Explores advanced firefighting skills, focusing on communications, investigations, and other advanced firefighting techniques. Fulfills the job performance requirements for Wisconsin Firefighter 2 certification eligibility.

Prerequisite: Fire Fighting Principles 10503142

Building Construction for Fire Protection

3 Credits

Provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating at emergencies.

YEAR 2 • RECOMMENDED SENIOR YEAR

FALL | 8 MID-STATE CREDITS

EMT Foundations

3 Credits

Covers the basics of the Emergency Medical Technician certification course to include CPR, airways, anatomy, hazmat response requirements, lifting and moving patients, incident command, and other technical information. It is the first part of a two-course system to prepare students for national certification testing for EMT.

Principles of Emergency Services

2 Credits

Introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. Emphasizes fire and emergency service, ethics, and leadership from the perspective of the company officer.

Principles of Emergency Services Safety and Survival

3 Credits

Introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

SPRING | 5 MID-STATE CREDITS

EMT Applications

2 Credits

Course covers the bulk of the Emergency Medical Technician certification course to include the handling of cervical and spine injuries, burn injuries, heart- and breathing-related problems, shock, and other trauma injuries. Includes several lab days to practice and perfect skills, clinical time, and extensive hands-on activities. Prepares students for national certification testing for EMT. To maintain National Registry certification eligibility this course must be finished the semester following the completion of EMT Foundations.

Prerequisite: EMT Foundations

Fire Behavior & Combustion

3 Credits

Explores the theories and fundamentals of how and why fires start, spread, and are controlled.



ADDITIONAL COURSES AVAILABLE

In addition to the Mid-State courses offered through the Firefighter Technician Academy, there are many other options available to Marshfield-area students looking to get a head start on college. Earn college credit now with these courses offered at your high school or Mid-State.

OPTIONS WITHIN THE HIGH SCHOOL

Advanced Standing, Dual Credit and Advanced Placement

Advanced Standing: English Composition 1

3 Credits

Designed for learners to develop knowledge and skills in all aspects of the writing process. Planning, organizing, writing, editing, and revising are applied through a variety of activities. Students analyze audience and purpose, use elements of research, and format documents using standard guidelines. Individuals develop critical reading skills through analysis of various written documents.

Advanced Placement Mathematic, will transfer to College Math 3 Credits

Designed to review and develop fundamental concepts of mathematics pertinent to the areas of: 1) arithmetic and algebra; 2) geometry and trigonometry; and 3) probability and statistics. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators. Topics include performing arithmetic operations and simplifying algebraic expressions, solving linear equations and inequalities in one variable, solving proportions and incorporating percent applications, manipulating formulas, solving and graphing systems of linear equations and inequalities in two variables, finding areas and volumes of geometric figures, applying similar and congruent triangles, converting measurements within and between US and metric systems, applying Pythagorean Theorem, solving right and oblique triangles, calculating probabilities, organizing data and interpreting charts, calculating central and spread measures, and summarizing and analyzing data. Students must earn a 3 on their Placement Test.

Advanced Placement Chemistry 4 Credits

Covers the fundamentals of chemistry. Topics include the metric system; problem solving; periodic relationships; chemical reactions, chemical equilibrium; properties of water; acids, bases, and salts; and gas laws.

Advanced Placement Psychology 3 Credits

This introductory course surveys the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings.

OPTIONS AT MID-STATE TECHNICAL COLLEGE

Technical Reporting 3 Credits

The student prepares and presents oral and written technical reports. Types of reports may include lab and field reports, proposals, technical letters and memos, technical research reports, and case studies. Designed as an advanced communication course for students who have completed at least the prerequisite introductory writing course.

Prerequisite: English Composition I 10801136 with a grade of "C" or better or 3 on the Advanced Placement test

Intro to Ethics: Theory & Application 3 Credits

Provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives are used to analyze and compare relevant issues. Students critically evaluate individual, social, and/or professional standards of behavior, and apply a systemic decision-making process to these situations.

Prerequisite: High School GPA of 3.0 or Accuplacer Reading Skills of 236, Writing of 237 or ACT of 15 Reading/16 Writing. Students are encouraged to bring transcripts for further evaluation if they do not meet these requirements.



MID-STATE
TECHNICAL COLLEGE
INDEMAND

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Adams, WI 53910

MARSHFIELD CAMPUS

2600 West 5th Street
Marshfield, WI 54449

STEVENS POINT CAMPUS

1001 Centerpoint Drive
Stevens Point, WI 54481

WISCONSIN RAPIDS CAMPUS

500 32nd Street North
Wisconsin Rapids, WI 54494

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