Fire Science (30-503-5)
Technical Diploma
Effective 2026/2027

The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan. Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.). More detailed scheduling information for this program can be found at https://www.gtc.edu/firefighter-technician. Please see your academic advisor for additional information.

HE-D=HERO Center/Days, F=Fall, S=Spring, SU=Summer

Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	HE-D
1	*503-301	3	Firefighting Principles		• Faculty have identified this milestone course as providing a strong foundation for success throughout the program.	F/S
1	*503-302	2	Fire Prevention			F/S
1	*531-100	3	EMR/EMT 1	Prereq: Program Admission		F/S
2	*503-304	3	Building Construction			S/F
2	*531-101	4	EMT 2	Prereq: Program Admission; 531-100		S/F
3	*503-303	3	Principles of Em Serv Safety & Survival			F/S
3	*503-305	3	Driver/Operator Pumper	Prereq: 503-142 OR 503-301		F/S
3	*503-306	2	Firefighting Principles II	Prereq: 503-142 OR 503-301		F/S
3	*503-307	2	Firefighter Health & Wellness			F/S
Minimum Program Total Credits Required: 25						

(*) Students must achieve a minimum of 2.0 ("C") or above for this major course to meet graduation requirements.

Fire Science (30-503-5)

The *Fire Science program* will provide applicants with foundational entry level knowledge and practice to pursue a career in the fire service. Students are able to apply health & wellness principles to their own professional lives, and prepare for the candidate physical ability test (CPAT) certificate. Requisite building construction, fire behavior, fire protection systems, fire department risk management and soft skills are stressed, along with life-long learning and living habits to become safe and effective fire service professionals. Students will be eligible for employment as a firefighter for volunteer or career service. Additionally, the diploma provides a pathway to the Fire Medic and Paramedic Associate Degree Programs.

Program Learning Outcomes

Graduates will be able to:
1. Demonstrate professional conduct.
2. Perform fire prevention activities
3. Apply incident management and mitigation skills to emergency incidents
4. Meet professional fire and EMS credentialing standards
5. Communicate clearly and effectively
6. Apply critical thinking skills to both emergency and non-emergency situations.

Essential Career Competencies

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:
1. Communication Competence
2. Critical Thinking and Problem Solving
3. Professionalism and Career Management
4. Teamwork and Collaboration
5. Cultural Competence
6. Technology Competence

Admission Requirements

1. Students must submit an application and pay $30 fee.
2. Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading, writing, and math placement assessments.
3. Review the technical standards for this program at www.gtc.edu/forms. An acknowledgement of these standards will be completed within the online application.

Graduation Requirements

1. Minimum 25 credits with a cumulative GPA of 2.0 or above.
2. *Minimum of 2.0 ("C") or above for these major courses.

For a complete list of Graduation Requirements, check the Student Handbook or Graduation Requirements.

Notes

1. Eye protection may be required in some courses. If prescription safety glasses are required, please allow a minimum of 90 days before the program start to obtain prescription and glasses.
2. Some courses may be available during the evening. Please contact your advisor for more information.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for one year or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult My Gateway for exact fee amounts. The District reserves the right to modify, cancel, or relocate course offerings in response to factors such as low enrollment, resource availability, or other relevant considerations to ensure high-quality educational experiences. Students will be notified in writing and are encouraged to meet with their Academic Advisor to adjust their academic plan.

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