



**Fire Science (30-503-5)**  
Technical Diploma  
**Effective 2024/2025**

*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.).*

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

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	HE-D
1	890-155	1	📍 Gateway to Success (G2S)		F/S <sup>+</sup>
1	*503-301	3	🎓 Firefighting Principles <sup>2</sup>		F/S
1	*503-302	2	Fire Prevention <sup>2</sup>		F/S
2	*503-304	3	Building Construction <sup>2</sup>		S/F
2	*531-312	2	EMR to EMT I	Prereq: Program Admission	S/F
2	*531-313	3	EMR to EMT II	Prereq: Program Admission; 531-312	S/F
3	*503-303	3	Principles of Em Serv Safety & Survival <sup>2</sup>		F/S
3	*503-305	3	Fire Protection Hydraulics <sup>2</sup>	Prereq: 503-142 OR 503-301	F/S
3	*503-306	2	Firefighting Principles II <sup>2</sup>	Prereq: 503-142 OR 503-301	F/S
3	*503-307	2	Firefighter Health & Wellness		F/S

**Minimum Program Total Credits Required: 24**

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the back of the sheet.

📍 Mastery of this course will put students on a path to achieve successful degree completion, on-time graduation, and enrich the college experience. Students are required to take this course in their first semester of enrollment. Please see an advisor for details.

🎓 = Milestone Course. Faculty have identified this course as providing a strong foundation for success throughout the program.

(\*) indicates students must achieve a combined average of 2.0 ("C") or above for these major courses to meet graduation requirements.

(+) indicates students may take these courses at any one of the three main campuses; Kenosha, Racine, Elkhorn or Online.

## 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:

- Communication
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- 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.

### Graduation Requirements

- Minimum 24 credits with a cumulative GPA of 2.0 or above.
- \*Average of 2.0 ("C") or above for these major courses.
- Complete 890-155 Gateway to Success (G2S) in the first semester.

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. A credit for prior learning assessment is available for this course. For more information, please contact [cfpl@gtc.edu](mailto:cfpl@gtc.edu).
3. 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. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.