



### Facilities Maintenance (31-443-2)

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/facilities-maintenance>. Please see your academic advisor for additional information.

K-E = Kenosha/evenings, F=Fall, S=Spring, SU=Summer

Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	K-E
1	890-155	1	Gateway to Success (G2S)		<ul style="list-style-type: none"> <li>Students are required to take this course in their first semester of enrollment. Please see an advisor for details.</li> </ul>	F
1	*443-310	1	Fundamentals of Construction		<ul style="list-style-type: none"> <li>Faculty have identified this milestone course as providing a strong foundation for success throughout the program.</li> <li>Registration is limited to program students with Core-Active Status and new program students with priority placement authorization. If there are seats available during the 14 days prior to the start of the course, contact <a href="mailto:academicadvising@gtc.edu">academicadvising@gtc.edu</a> to register.</li> </ul>	F
1	*443-312	2	Basic Carpentry and Repair	Coreq: 443-310	<ul style="list-style-type: none"> <li>Registration is limited to program students with Core-Active Status and new program students with priority placement authorization. If there are seats available during the 14 days prior to the start of the course, contact <a href="mailto:academicadvising@gtc.edu">academicadvising@gtc.edu</a> to register.</li> </ul>	F
1	*461-120	3	Small Power Equipment		<ul style="list-style-type: none"> <li>Registration is limited to program students with Core-Active Status and new program students with priority placement authorization. If there are seats available during the 14 days prior to the start of the course, contact <a href="mailto:academicadvising@gtc.edu">academicadvising@gtc.edu</a> to register.</li> </ul>	F
1	801-301	1	Writing Principles	Prereq: 851-756		F
2	804-370	2	Mathematics I, Applied	Prereq: 854-760	<ul style="list-style-type: none"> <li>Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.</li> </ul>	S
2	801-302	1	Speaking Principles			S
2	*443-315	2	Industrial Preventative Maintenance	Coreq: 443-310		S
2	*443-314	2	Mechanical Systems	Coreq: 443-310		S
3	*443-313	2	Interior Finishing	Coreq: 443-310 Prereq: 804-370		SU
3	*601-112	2	Environmental Systems	Coreq: 801-301		SU
3	*401-304	3	HVAC Electricity/Electronics		<ul style="list-style-type: none"> <li>Registration is limited to program students with Core-Active Status and new program students with priority placement authorization. If there are seats available during the 14 days prior to the start of the course, contact <a href="mailto:academicadvising@gtc.edu">academicadvising@gtc.edu</a> to register.</li> </ul>	SU
4	*443-101	1	Forklift Operation & Maintenance		<ul style="list-style-type: none"> <li>Registration is limited to program students with Core-Active Status and new program students with priority placement authorization. If there are seats available during the 14 days prior to the start of the course, contact <a href="mailto:academicadvising@gtc.edu">academicadvising@gtc.edu</a> to register.</li> </ul>	F
4	*443-311	3	Electrical Applications	Prereq: 601-304; Coreq: 443-310		F
4	*601-305	3	Facility Operating Engineer LP		<ul style="list-style-type: none"> <li>Registration is limited to program students with Core-Active Status and new program students with priority placement authorization. If there are seats available during the 14 days prior to the start of the course, contact <a href="mailto:academicadvising@gtc.edu">academicadvising@gtc.edu</a> to register.</li> </ul>	F

Minimum Program Total Credits Required: 29

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

## **Facilities Maintenance (31-443-2)**

*Facilities Maintenance* provides the training needed to service, maintain, and operate equipment found in public, commercial, and other buildings. Typical operations employing facilities (building) maintenance workers include hospitals, government buildings, schools, hotels, apartment buildings, light manufacturing facilities, and office buildings. The required skills and knowledge include basic carpentry, basic electricity, basic HVAC (heating, ventilating, and air conditioning), basic plumbing, electrical control devices, and safety.

### **Program Learning Outcomes**

Graduates will be able to:

- 1 Repair/replace basic electrical components.
- 2 Perform preventative maintenance procedures.
- 3 Perform basic drywall repairs.
- 4 Perform basic plumbing repairs.
- 5 Use portable tools safely.
- 6 Apply sustainable practices to facility operations.

### **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

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.

### **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**

- 1 Minimum 29 credits with a cumulative GPA of 2.0 or above.
- 2 \*Average of 2.0 ("C") or above for these major courses.
- 3 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 Students will be required to purchase a variety of personal safety items and hand tools that will be utilized throughout the program. Specifications for those hand tools will be provided by the instructor at the beginning of the program, and should not be purchased in advance of the start of the program.

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