



Part-Time Pathway to Success

School of Manufacturing, Engineering, and Information Technology

Facilities Maintenance (31-443-2)

Technical Diploma

Effective 2021/2022

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.

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

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	K-E
1	890-155	1	Gateway to Success (G2S)		F
1	*443-310	1	Fundamentals of Construction		F
1	*443-312	2	Basic Carpentry and Repair	Coreq: 443-310	F
1	*461-120	3	Small Power Equipment		F
1	801-301	1	Writing Principles	Prereq: 851-756	F
2	804-370	2	Mathematics I, Applied ¹	Prereq: 854-760	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 OR 804-370	SU
3	*601-112	2	Environmental Systems	Coreq: 801-301	SU
3	*601-304	3	HVAC Electricity/Electronics ^{2,3}		SU
4	*443-101	1	Forklift Operation & Maintenance ³		F
4	*443-311	3	Electrical Applications	Prereq: 601-304; Coreq: 443-310	F
4	*601-305	3	Facility Operating Engineer LP		F

Minimum Program Total Credits Required: 29

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.

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:

- Communication Competence
- 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

1. Minimum 29 credits with an average 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. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. 605-107 Course Cost includes Snap On Digital Multi Meter #EEDM525D.
3. A credit for prior learning assessment is available for this course. For more information, please contact cfpl@gtc.edu.
4. 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.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years 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.