

Facilities Maintenance Technician (50-443-2)

Effective 2026/2027

Program Description

The Facilities Maintenance apprenticeship program will prepare you for a career in the maintenance and repair of residential and light commercial structures. You will get training from highly qualified instructors in: heating, ventilation and air conditioning, electricity, electronic controls and instrumentation, basic plumbing, fundamentals of hydronics, building codes and blueprint reading, electro-mechanical devices and general repair. Along with these skills, you will gain an overview of federal, state and local regulations that impact facility maintenance. You will learn to assess and solve problems quickly in emergency situations based upon an understanding or regulatory guidelines.

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 safety tools.
- 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

Get Started as an Apprentice

- 1 You should apply directly to employers, and entry requirement vary by employer.
- 2 If you need assistance finding an employer who will take you on as an apprentice, don't hesitate to get in touch with the local WI DWD-BAS Apprenticeship Training Representative at 414.216.8417 to find an employer who has been approved to train apprentices. You can also find apprenticeship employers at <https://dwd.wisconsin.gov/apprenticeship/ra/applicants.htm>.
- 3 Once your contract is in place with your employer and WI DWD-BAS, Gateway's Apprenticeship department will communicate with you regarding registration, classes and books.
- 4 You can contact Gateway's Apprenticeship department at apprenticeship@gtc.edu or 262.564.2954.

Graduation Requirements

- *Minimum of 2.0 ("C") or above for all required courses.
- Meet minimum hourly paid related instruction requirements per WI Registered Apprenticeship Contract.

Notes

- 1 Students must be physically able to perform the job.
- 2 Students must be 18 years of age and submit official high school, GED, or HSED transcript including a graduation or passing date.
- 3 Students must complete all courses with a grade of "C" or better.

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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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-apprentice>.

Please see your academic advisor for additional information.

Term	Course Number	Course Name	Credits	Hours
1	*601-110	Air Conditioning Fundamentals	3	90
1	*401-304	HVAC Electricity/Electronics	3	108
2	*601-116	Mechanical Fundamentals	3	90
2	*443-314	Mechanical Systems	2	72
3	*601-121	Heating Systems	3	90
3	*804-370	Mathematics I/Applied	2	72
4	*601-128	Electrical Controls and Systems	3	90
4	*601-305	Facility Operating Engineer LP	3	108
5	*443-315	Industrial Preventative Maintenance	2	72
5	*601-147	Control Circuit Applications	3	90
6	*601-112	Environmental Systems	2	63
6	*601-145	Electronic Energy Management	3	90

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

Training at a Glance

- Time to complete – Approximately 2 years
- On the job time – 5200 Hours
- Related Instruction Time – 720 Hours
- Additional training – First Aid and CPR certifications; Transition to Trainer
- Consult the Wisconsin Bureau of Apprenticeship Standards website for more information

If you need assistance getting started,
Gateway's Apprenticeship Department is happy to help.

QUESTIONS?

PLEASE CONTACT:

Gateway Technical College

Apprenticeship Department

262-564-2954

apprenticeship@gtc.edu