



Facilities Maintenance Technician (50-481-1) Effective 2024/2025

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:

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

Get Started as an Apprentice

1. To begin identifying or planning your apprenticeship, contact the local Apprenticeship Training Representative at 262.564.3210
2. If an employer wishes to hire you, they will submit an [apprentice application](#) to the Wisconsin Department of Workforce Development (DWD). If the DWD determines that you meet the Bureau of Apprentice Standards qualifications, you will be given a credential notice.
3. Once your permit is in place, Gateway's Apprenticeship department will communicate with you regarding registration, classes and books.

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. 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.



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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.
Taking courses in the order shown will 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.).

Pathway to Success

Term	Course	Course Name	Credits	Hours
1	*601-110	Air Conditioning Fundamentals	3	90
1	*601-304	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

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

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the front of the sheet.
(*) indicates students must achieve a minimum of 2.0 ("C") or above for these major courses to meet graduation requirements.