



# Industrial Manufacturing Technician Apprentice (50-420-9) Effective 2024/2025

## Program Description

Entry level industrial manufacturing technicians operate industrial production related equipment, work with manufacturing related tools, and perform work processes related to a wide variety of manufacturing settings. Industrial manufacturing technician apprentices will learn to set up, operate, monitor, and control production equipment. They will also help improve manufacturing processes and schedules to meet customer requirements.

## Program Learning Outcomes

Graduates will be able to:

1. Protect self and other workers from accidents and injuries.
2. Interpret technical information.
3. Measure work.
4. Inspect work.
5. Use mechanical tools and testing equipment.
6. Set-up production equipment.
7. Operate production equipment.
8. Produce quality product.
9. Be aware of inventory and material processes.
10. Be aware of routine equipment maintenance.
11. Be aware of trends and the current state of the business.
12. Apply soft skills to production and manufacturing work processes.
13. Demonstrate continuous improvement.

## 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

## 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 Apprentices 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.



# Industrial Manufacturing Technician Apprentice (50-420-9) 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.  
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

Course	Course Name	Credits	Hours
*420-510	Industrial Manufacturing Tech. Appr. 1	2.75	96
*420-582	Mathematics for the Machine Trades	1.00	32
*420-512	Industrial Manufacturing Tech. Appr. 2	2.75	96
*420-581	Communications	1.00	32
*455-455	Transition to Trainer	.20	8

### Training at a Glance

- Time to complete – Approximately 1.5 years
- On the job time – 2736 Hours
- Related Instruction Time – 264 Hours
- Additional training – 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](mailto: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.