

Manufacturing Maintenance

PROGRAM CODE: 32-462-1



Technical Diploma



Location: Downtown Milwaukee Campus, Oak Creek Campus

Start Dates: August and January

Admission Requirement: High school diploma or equivalent

Financial Aid Eligible: Yes. Use code 003866 at fafsa.gov.

Program Description

Find your future in the manufacturing industry with a role in the fast-growing field of manufacturing maintenance. Through this program, you will gain hands-on, practical experience related to installing, maintaining, diagnosing and repairing equipment used in manufacturing industries, as well as develop the skills for maintaining manufacturing facilities/building systems.

Career Outlook

There is strong demand for maintenance workers at manufacturing sites.

Program Learning Outcomes

- Demonstrate safe work procedures.
- Install industrial equipment and systems.
- Maintain industrial equipment and systems.
- Troubleshoot industrial equipment and systems.
- Repair industrial equipment and systems.
- Communicate technical information.



Complete Program Details

QUESTIONS? 414-297-8901 or mctpathway@matc.edu

COURSES

CREDITS

ADVMFG-113	Advanced Manufacturing DC/AC Circuits 1 ‡	3
ADVMFG-114	Advanced Manufacturing DC/AC Circuits 2 ‡	3
CONSTR-302	OSHA Safety/CPR for the Trades ‡	1
HVAC1-300	Basic Refrigeration/System Operation	4
HVAC1-325	Oil Furnace Service and Maintenance	3
MACHTL-360	Metrology	1
QLTYIN-103	MSSC Safety	1
QLTYIN-104	MSSC Quality	1
ADVMFG-102	Advanced Manufacturing Motor Controls ‡	3
ENG-195	Written Communication ‡ (or) ENG-201 English 1 ‡	3
HVAC1-301	Introduction to Refrigeration Service/Applications ‡	4
HVAC1-326	Gas Furnace Servicing and Maintenance ‡	3
MATH-113	College Technical Mathematics 1A ‡ (or) MATH-115 College Technical Mathematics 1 ‡	3
MDRAFT-385	Machine Blueprint Reading 1	1
QLTYIN-105	MSSC Process	1
QLTYIN-106	MSSC Maintenance	1
HYDPNU-330	Basic Hydraulics/Pneumatics	5
HYDPNU-338	Mechanical Systems	4
MFGMNT-352	Mechanical Drives 1	2
WELD-300	Fundamentals of Arc Welding	1
WELD-301	General Arc Welding ‡	2
HYDPNU-336	Fluid Power Circuits	4
MACHTL-346	Machine Shop for Related Trades	2
MFGMNT-332	Rigging and Lifting	2
MFGMNT-353	Mechanical Drives 2 ‡	2
MFGMNT-359	Mechanical Fabrication	2
WELD-305	Fundamentals of Oxyfuel Welding	1

CREDITS

Total credits needed to complete this diploma

63

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online. Check each course's delivery options in Self-Service at selfservice.matc.edu.