

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 GED

Financial Aid Eligible: Yes.

Apply at fafsa.gov. Use School Code 003866.

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

COURSE	CREDITS
ADVDFG-113	Advanced Manufacturing DC/AC Circuits 1 ‡..... 3
ADVDFG-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
ADVDFG-102	Advanced Manufacturing Motor Controls ‡..... 3
ENG-195	Written Communication ‡ 3 (or) ENG-201 English 1 ‡
HVAC1-301	Introduction to Refrigeration Service/Applications ‡ 4
HVAC1-326	Gas Furnace Servicing and Maintenance ‡..... 3
MATH-113	College Technical Mathematics 1A ‡ 3 (or) MATH-115 College Technical Mathematics 1 ‡
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.