



# Manufacturing Maintenance

## TECHNICAL DIPLOMA

Program Code: 32-462-1

### Downtown Milwaukee Campus

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

### Admission Requirement

- A high school diploma or GED



**Manufacturing, Construction & Transportation**  
**MILWAUKEE AREA Technical College**

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 ‡.....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
TOTAL CREDITS: 63	

‡ Prerequisite required.  
Program curriculum requirements are subject to change.

Current MATC students should consult their [Academic Program Plan](#) for specific curriculum requirements.

- Possible Careers**
- Field Service Technician
  - Industrial Maintenance Technician
  - Maintenance Mechanic
  - Press Mechanic
  - Maintenance and Repair Mechanic
  - Automation Technician
  - Apprenticeship

- Related Programs**
- Welding
  - Machine Tool Operations
  - Refrigeration, Air Conditioning and Heating Service Technician
  - Mechatronics or Industrial Maintenance Apprenticeships





**matc.edu** or **414-297-MATC**  
Wisconsin Relay System 711

**Downtown Milwaukee Campus**  
700 West State Street

**Mequon Campus**  
5555 West Highland Road

**Oak Creek Campus**  
6665 South Howell Avenue

**West Allis Campus**  
1200 South 71st Street

**MATC Education Center  
at Walker's Square**  
816 West National Avenue, Milwaukee