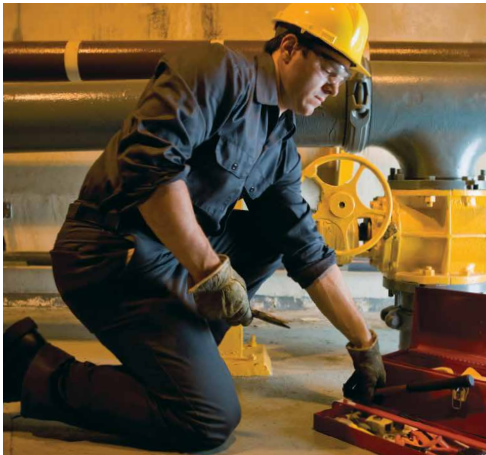




Mechanical Maintenance Technology

This on-campus program prepares students with an excellent foundation in safety, fabrication, electricity, welding, mechanics, fluid power, hydraulics and use of tools. Mechanical Maintenance technicians work in a high demand career installing, maintaining and repairing various types of industrial and processing equipment. Students have the option to transfer into the Bachelor of Applied Science in Energy Management degree, available entirely online.

Mechanical Maintenance Degree Program



Top paying industries for graduates include power generation, pipeline distribution, petroleum and coal products, various product manufacturers and large institutions. Students apply technical knowledge and skills to install, repair, and maintain industrial equipment such as motors, pumps, pneumatic tools, conveyor and pipeline systems, production machinery, and automated equipment.

Students choosing to complete the Associate Degree within the Mechanical Maintenance Technology follow the recommended sequence of courses. Students should consult with their academic advisor prior to registration for academic advice based on individual educational plans.

Mechanical Maintenance Associate Degree Technical Courses

Recommended Sequence - 1st Semester

MMAT 101 Introduction to Industrial Operations
MMAT 103 Safety and Health
MMAT 105 Hand and Portable Tools
MMAT 107 Basic Mechanics
MMAT 109 Measurements
MMAT 111 Schematics, Symbols & Blueprints
MMAT 113 Industrial Rigging
MMAT 115 Lubrication, Bearings and Seals
MMAT 117 Material Handling Systems
MMAT 119 Troubleshooting Skills

Recommended Sequence - 2nd Semester

MMAT 150 Mechanical and Fluid Drive Systems
MMAT 155 Hydraulics and Pneumatics
MMAT 160 Valves and Steam Traps
MMAT 165 Piping and Tubing Systems
MMAT 170 Equipment Installation
MMAT 175 Pumps, Compressors and Turbines
MMAT 215 Nonmetals in the Plant

Recommended Sequence - 3rd Semester

WELD 110 Oxyfuel Operations
WELD 118 Testing OA in Welding, Brazing & Cutting
WELD 125 Welding Principles
WELD 140 Methods in GMA & FCA Welding
WELD 170 Arc Welding Operations
WELD 180 Methods in Arc Welding Operations
MMAT 200 Maintenance Pipefitting
MMAT 205 Basic Electricity & Electronics
MMAT 210 Metals in the Plant

Recommended Sequence - 4th Semester

General Education Electives



For more information on the **Mechanical Maintenance Technology program**, visit our website at bismarckstate.edu/energy.

Contact us at **701.224.5651** or **800.852.5685**.