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.
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