

MECHANICAL MAINTENANCE TECHNOLOGY

ON CAMPUS



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution



Recent Bismarck State College Mechanical Maintenance graduates report placement rates of 100%, with expected growth of 14.4% by 2026.

CAREER

opportunities

- Maintenance Technician
- Machinery Mechanic
- Industrial Technician
- Maintenance Engineer
- Maintenance Mechanic
- Industrial Mechanic
- Routine Maintenance Specialist

NATIONAL ENERGY CENTER OF EXCELLENCE

HANDS-ON LEARNING.

WORKFORCE READY.

BSC's on-campus Mechanical Maintenance program is the first of its kind in the region, preparing graduates to install, maintain, and repair industrial production and processing equipment.

A career in Mechanical Maintenance offers an exciting opportunity to have a wide variety of job duties each day and a sense of pride knowing you are a critical piece of your organization keeping equipment and systems operational. Throughout this program, the focus is on safely installing, troubleshooting, repairing, and conducting preventative maintenance on industrial equipment and systems. Coursework includes the proper selection and safe use of tools, reading prints and parts-manuals, troubleshooting, rigging, mechanical and fluid drives, electrical fundamentals, lubrication, welding and all associated skill sets required to work as an industrial mechanic.

This program prepares students for exciting careers supporting the power generation industries, service industries, manufacturing, food & beverage facilities, oil and gas industries including gas compression, refining, biofuels and other industrial facilities.

Earn Certifications:

- Snap-on Metering and Torquing
- AWS Welding
- OSHA 10
- Forklift



**STRONG
JOB MARKET**



**\$70K
AVERAGE
SALARY**



**MASTER INDUSTRY
KNOWLEDGE**

bismarckstate.edu

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Prescribed Technical Program Requirements

MMAT 101	Introduction to Industrial Operations	2 credits
MMAT 103	Safety and Health	2 credits
MMAT 105	Hand and Portable Tools	2 credits
MMAT 107	Basic Mechanics	2 credits
MMAT 109	Measurements	2 credits
MMAT 111	Schematics Symbols and Blueprints	2 credits
MMAT 113	Industrial Rigging	1 credit
MMAT 115	Lubrication, Bearings and Seals	2 credits
MMAT 117	Material Handling Systems	1 credit
MMAT 119	Troubleshooting Skills	1 credit
MMAT 150	Mechanical and Fluid Drive Systems	2 credits
MMAT 155	Hydraulics and Pneumatics	2 credits
MMAT 160	Valves and Steam Traps	3 credits
MMAT 162	Piping, Tubing Systems, and Pipefitting	2 credits
MMAT 170	Equipment Installation	2 credits
MMAT 175	Pumps, Compressors, and Turbines	4 credits
MMAT 205	Basic Electricity and Electronics	3 credits
WELD 110	Oxyfuel Operations	2 credits
WELD 118	Testing OA in Welding, Brazing, Cutting	2 credits
WELD 135	Welding Principles	2 credits
WELD 140	Methods in GMA & FCA Welding	2 credits
WELD 170	Arc Welding Operations	2 credits
WELD 173	Methods in Arc Welding Operations	4 credits

Additional Course - Departmental Approval Required

MMAT 197-297 Cooperative Education/Internship

Discover the next version of you. Apply today!

 Virtual & in-person visits available at bismarckstate.edu/visit

 Call 701-224-5429

 Text 701-390-1075