

POWER PROCESS TECHNOLOGY

CERTIFICATE
ONLINE & ON CAMPUS



BISMARCK | North Dakota's
STATE COLLEGE | Polytechnic Institution



CAREER opportunities

- Process Operator
- Refinery Operator
- Operations Technician
- Gas Plant Operator
- Power Plant Operator
- Boiler Operator
- Control Room Operator



STRONG JOB MARKET

Recent Bismarck State College Power and Process Technology graduates report placement rates of 100%, and Industry growth in North Dakota will continue to grow.



This program receives funding from the U.S. Department of Labor, veterans and eligible spouses receive priority of service over non-covered persons. (20 CFR 1010)

HANDS-ON LEARNING WORKFORCE READY.

BSC's Power Process Technology program focuses on the machines, technology, and processes required to produce power, natural gas, food products, and more.

This online and on-campus program prepares students for employment in operating refineries, power plants, ethanol plants, gasification plants, petrochemical plants, and natural gas processing plants. Students are prepared for a rapidly changing industry by leveraging state-of-the-art, interactive learning tools aligned to actual on-the-job tasks. The program covers the safety and technical aspects of operating the plant, the work of a plant operator, and the mechanical and chemical technology needed for working in similar industrial operations. High demand is expected for power process plant operators as the existing workforce retires and the industry evolves and expands.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

OPERATOR I CERTIFICATE

ENRT 100	Operations, Safety and Environment
ENRT 109	Equipment and Systems
ENRT 112	Print Reading
ENRT 119	Industry Science

POWER PROCESS OPERATOR II CERTIFICATE

ENRT 116	Instrumentation and Control
ENRT 120	Water Purification and Treatment
ENRT 201	Boiler Operations
ENRT 215	Operations, Troubleshooting and Communications

POWER PROCESS ADVANCED OPERATOR CERTIFICATE

PWRP 210	Turbines & Combined Cycle
PWRP 224	Power Generation, Components & Protection
PROP 236	Refinery, Ethanol, Distillation Operations
PROP 239	Gas Processing and Carbon Capture
ENRT 220	Practical Applications



**STRONG JOB
MARKET**



**WORKFORCE
READY SKILLS**



**\$76.5K MEDIAN
SALARY**



bismarckstate.edu

*Earning estimates were provided by Lightcast in the summer of 2026

An equal opportunity provider.
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