Petroleum Production Degree Program

This online program is designed to provide students with a broad background to operate and maintain the equipment used in the operations of the oil and gas industry in a safe and responsible manner. Graduates will have the foundation to enter the industry in a number of capacities, including but not limited to, operator positions at production field locations. Students have the option to enter into the Bachelor of Applied Science in Energy Management degree upon completion of this program.
Working in the petroleum industry provides a high-paying career and exciting opportunities for employment throughout the world. The need for trained operators and technicians continues to increase as oil and gas production volumes and reserve estimates have increased significantly in North Dakota and the region.

The program provides a foundation of knowledge used in the petroleum industry, including safety, mechanical, electrical, instrumentation and control, print reading, troubleshooting and communication, surface equipment, measurement, well service and the chemical technology needed for working in various petroleum operations.

Students choosing to complete all courses in the Petroleum Production Technology program can follow the recommended sequence or create a customized schedule based on their needs.

Students should consult with their academic advisor prior to registration for academic advice based on individual educational plans.

Petroleum Production Technology Degree Program

Petroleum Production Technology Associate Degree Technical Courses

Recommended Sequence - 1st Semester
ENRT 101 Introduction to Energy Technology
ENRT 105 Safety, Health & Environment
ENRT 107 Mechanical Fundamentals
PROD 110 Production Operations Technology

Recommended Sequence - 2nd Semester
ENRT 112 Print Reading
ENRT 103 Applied Math
ENRT 104 Electrical Fundamentals
ENRT 116 Instrumentation & Control

Recommended Sequence - 3rd Semester
PROD 220 Production Equipment
PROD 230 Well Services
PROD 240 Artificial Lift & Enhanced Oil Recovery
ENRT 215 Operations, Troubleshooting & Communications

Recommended Sequence - 4th Semester
PROP 235 Hydrocarbon Chemistry
PROD Production Safety, Health & Environment
PROP 239 Gas Processing
ENRT 220 Practical Applications

This program is offered online and requires brief on-campus labs or shadowing at an approved facility.

For more information on the Petroleum Production Technology program, visit our website at bismarckstate.edu/energy.
Contact us at 701.224.5651 or 800.852.5685.