

PETROLEUM PRODUCTION OPERATOR II

Overview

Degrees Offered: Program Certificate

Limited Enrollment: Yes (On Campus)

Program Begins: Spring

Delivery Method: Online, On Campus

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Description

This certificate program is designed for operators seeking to specialize in the petroleum production sector. Building on the foundational knowledge of Operator I, this program provides in-depth training on the critical systems and skills required to succeed in petroleum production operations. Students gain a comprehensive understanding of instrumentation and control systems, the fundamentals of the petroleum industry, and mechanical drive systems. Additionally the program emphasizes essential skills in operations, troubleshooting, and communications, enabling graduates to optimize production processes, respond to operational challenges, and effectively collaborate with colleagues in the field.

Preparation

Students must successfully complete Operator I prior to enrolling in Petroleum Production Operator II.

Students should be prepared for the physical demands of entry-level technician positions after completing the program. Typical industry requirements often include passing a physical exam, the ability to lift over 50 pounds, and the ability to climb ladders and work in confined spaces or at heights. Job applicants may also be required to pass a drug screening and an eye exam, including the ability to distinguish between colors accurately, which is a key aspect in some maintenance tasks.

Requirements

Students who complete the curriculum requirements receive a Program Certificate in Petroleum Production Operator II.

Program Pathways

Credits from this program may stack into the following Associate in Applied Science degrees:

- Petroleum Production Technology

The AAS program may stack into the following Bachelor of Applied Science degrees:

- Energy Management
- Operations Management

Career Opportunities

A career in the petroleum industry offers high-paying opportunities and global employment prospects. As oil and gas production increases in North Dakota's Bakken region and beyond, the demand for skilled operators and technicians continues to grow. Employers seek detail-oriented professionals with strong computer skills and problem-solving abilities. These careers provide excellent salaries, long-term job security, and nationwide employability, making them both versatile and rewarding.

Additional Information



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

Degree Plans

- Petroleum Production Operator II

Program Learning Outcomes

Upon graduation, Petroleum Production Operator II students will be able to:

- Analyze and troubleshoot mechanical drive systems and instrumentation controls to maintain optimal operations in the petroleum production industry while adhering to safety and industry standards.
- Explain the structure of the petroleum industry, including exploration, drilling, production, processing, and transportation, and identify the role of key equipment and systems within these processes.
- Evaluate operational challenges and propose solutions using effective communication, industry standards, and safe practices to support the role of a technician in petroleum production environments.