

POWER PROCESS OPERATOR II

Overview

Degrees Offered: Program Certificate

Limited Enrollment: Yes (On Campus)

Program Begins: Fall (On Campus) | Fall, Spring, Summer (Online)

Delivery Method: Online, On Campus

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Description

This certificate program builds on foundational knowledge established in the Operator I program by providing additional training for individuals seeking to advance their careers in industrial facility operations. This comprehensive program delves into instrumentation and control systems, water purification and treatment processes, and boiler operations. Additionally, students develop essential skills in operational challenges, and lead teams with confidence.

Preparation

Students must successfully complete Operator I before enrolling in Power Process 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 Power Process Operator II. Additional coursework may lead to an Associate in Applied Science degree.

Program Pathways

Credits from the Power Process Operator II Certificate may stack into the following Associate in Applied Science degree:

- Power Process Technology

The Associate in Applied Science degree may stack into the following Bachelor of Applied Science degrees:

- Energy Management
- Operations Management

Career Opportunities

Graduates are well-prepared to work in a variety of energy and manufacturing industries, including electrical generation, petrochemical processing, refineries, ethanol plants, gasification, natural gas processing, and water treatment facilities. Their foundational knowledge also allows them to pursue careers in wind farms, co-generation power plants, industrial process operations, manufacturing, pipeline transportation, petroleum and chemical products, mining, and utilities. Employers seek professionals who are detail-oriented, possess strong computer skills, and can identify and solve problems. These careers offer excellent pay, strong employability, and sustained job demand nationwide, 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

Power Process Operator II Program Certificate

Program Learning Outcomes

Upon graduation, Power Process Operator II students will be able to:

- Demonstrate the ability to operate, troubleshoot, and communicate effectively in the management of process systems, including boilers, water purification systems, and instrumentation control, ensuring safe and efficient operations.
- Apply knowledge of water purification, boiler operations, and instrumentation control systems to diagnose, maintain, and optimize equipment performance in industrial settings.
- Utilize industry standards and effective communication strategies to interpret data, solve operational challenges, and collaborate in diverse work environments.