

# POWER GENERATION TECHNOLOGY

ON CAMPUS • ONLINE



The US Department of Energy recognizes BSC as the premier national center of education and training for operators and technicians in the energy industry.

## CAREER opportunities

- Auxiliary Operator
- Control Operator
- Control Room Operator
- Operations Technician
- Plant Control Operator
- Power Plant Operator
- Power Technician
- Station Operator
- Unit Operator
- Boiler Operator

## HANDS-ON LEARNING. WORKFORCE READY.

**BSC's Power Generation Technology program prepares students for employment as multi-skilled power generation operators who control, operate, maintain, and troubleshoot equipment and systems used to generate electric power.**

This program provides students with an understanding of the equipment principles of operation involved in power generation, preparing students for employment in power generating facilities like fossil fuel plants, gas turbine facilities, combined cycle facilities, and other sites that generate steam or electricity. Students learn the technical and safety aspects of plant operations, the responsibilities of plant operators, and the mechanical and chemical technology needed for working in related industrial operations.

### PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

<b>ENRT 101</b>	Introduction to Energy Technology
<b>ENRT 105</b>	Safety, Health & Environment
<b>ENRT 107</b>	Mechanical Fundamentals
<b>ENRT 110</b>	Plant Equipment & Systems
<b>ENRT 112</b>	Print Reading
<b>ENRT 104</b>	Electrical Fundamentals
<b>ENRT 116</b>	Instrumentation & Control
<b>ENRT 224</b>	Automation & Control
<b>ENRT 118</b>	Heat Transfer, Fluid Flow & Thermodynamics
<b>ENRT 120</b>	Water Purification & Treatment
<b>ENRT 205</b>	Steam Generation
<b>ENRT 215</b>	Operations, Troubleshooting & Communication
<b>PWRP 207</b>	Boilers & Environmental Protection
<b>ENRT 221</b>	Applied Electronics
<b>PWRP 210</b>	Turbines & Combined Cycle
<b>PWRP 224</b>	Power Generation, Components & Protection
<b>ENRT 220</b>	Practical Applications

*\*Program also includes required general education*



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**KNOWLEDGE OF  
A VITAL INDUSTRY**

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\*Earning estimates were provided by Lightcast in the Fall of 2024

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