

POWER GENERATION TECHNOLOGY

LIMITED ENROLLMENT ON CAMPUS ONLY

Delivery method: On campus, online

Program begins: On campus (Fall), online (Fall/Spring)

Program Description

The Power Generation Technology program at BSC focuses on educating and training students and incumbent workers in the operation of electrical generation facilities of various types. BSC offers on campus and online options that prepare graduates for entry-level jobs at modern power plants where steam and/or electricity is generated. Students learn all phases of the industry, including operation of equipment and systems, mechanical and chemical technology, and the safety culture of the industry.

A limited number of students are enrolled in August for courses on campus. Courses offered online begin every three to five weeks and are not subject to limited enrollment.

Preparation

Background in basic chemistry, basic physics, and high school Algebra I is helpful. Prospective students should be prepared for the physical demands of entry-level technician positions. Typical industry requirements include passing a physical exam, which may entail lifting 50+ pounds, climbing ladders, and working in confined spaces or heights. Job applicants also may be required to pass a drug screen and eye exam, including the ability to distinguish between colors accurately. Energy industry jobs typically require shift work and overtime hours.

Program Requirements

Students who complete the degree plan requirements receive a Program Certificate or Associate in Applied Science degree.

Required Program Entrance Scores

- ACT: Math 16
- CLASSIC ACCUPLACER: Math 41 (Elementary Algebra)
- NEXT GEN ACCUPLACER: Math 237 (QR, Algebra, and Statistics)

Special Costs (on campus only)

A \$100 deposit, required upon acceptance into the program, is applied toward tuition. Fee is non-refundable if you decide not to attend BSC.

Career Opportunities

A career in power generation technology provides excellent pay and employability with strong job demand expected nationwide for years to come. Graduates are prepared to work in the electrical generation field but also have fundamental knowledge to work in water treatment plants, wind farms, process technology facilities, co-generation power plants and many other types of manufacturing facilities. Besides power plants, job settings include research and development facilities, industrial process operations, or the sales and service fields.

Additional Information

Credits from this program may be applied to BSC's Bachelor of Applied Science degree (BAS) in Energy Management, offered entirely online. The BAS is designed for individuals interested in supervisory and management positions in the energy industry. The BAS builds on the foundation laid in an AAS degree and includes general education classes, core management courses, and energy specific management courses.

BSC's National Energy Center of Excellence was designated as the National Power Plant Operations Technology and Education Center by U.S. Energy Secretary Samuel W. Bodman in 2007. This official designation recognizes BSC as the premier national center of education and training for operators and technicians in the energy industry.

Contact

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Degree Plans

- Power Generation Technology Associate in Applied Science
- Power Generation Technology Program Certificate