

The Energy Providers Coalition for Education (EPCE) is a national alliance delivering solutions to attract and engage the energy industry's workforce through quality online education. EPCE's online programs offer interested candidates and working professionals the technical skills as well as the academic knowledge needed for energy industry career paths. EPCE members, representing over two-thirds of the industry, champion industry needs in their joint efforts to develop and sponsor online curriculum with qualified and accredited high schools, colleges and universities.

EPCE also offers online education in:

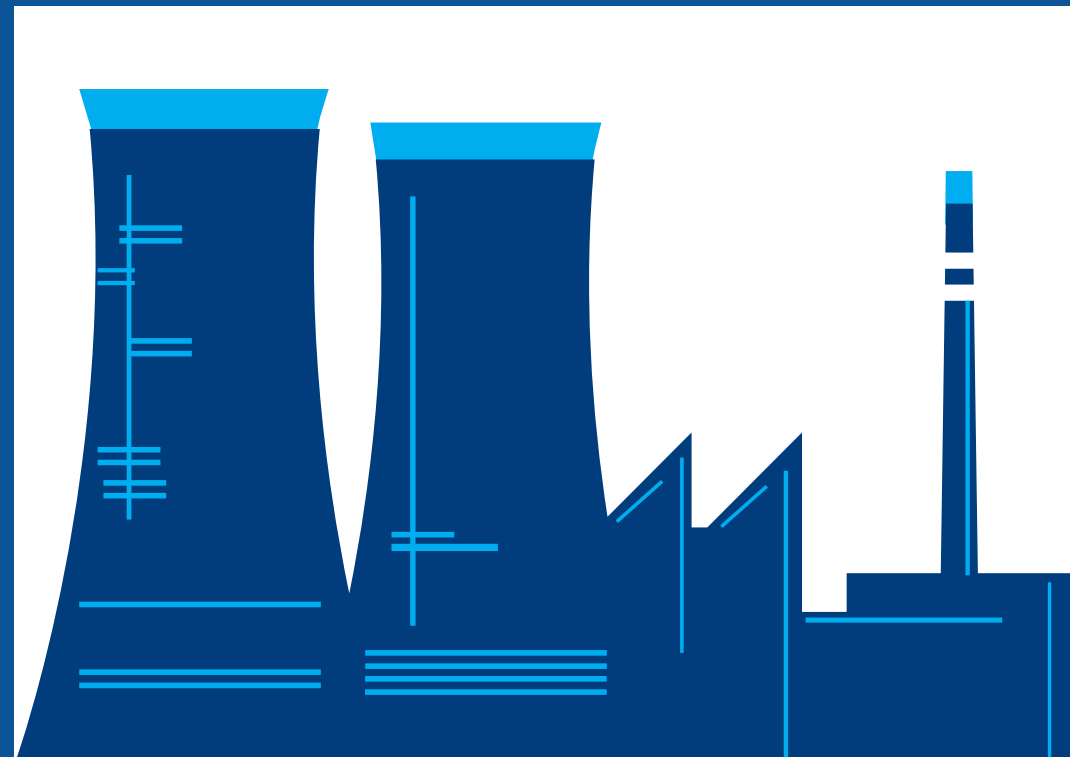
- Electric Power
- Electrical Engineering
- Electrical Engineering Technology
- Power Systems
- Smart Grid
- Nuclear Power
- Technology Management
- Information Technology
- Cybersecurity
- Industry Courses

For more information about EPCE's other offerings, visit: [www.epceonline.org](http://www.epceonline.org)

EPCE is a signature initiative of CAEL, the Council for Adult & Experiential Learning.  
Learn more at: [www.cael.org](http://www.cael.org).



# Nuclear Power Technology



## Certificate in Nuclear Power Technology

This certificate program is designed for current and future nuclear power employees and prepares individuals for careers in the operation of nuclear power plants.

### **Careers in nuclear power include:**

- Non-licensed Operations
- Radiation Protection
- Maintenance
- Instrumentation & Control

## A.A.S. in Nuclear Power Technology

The Bismarck State College (BSC) program has been approved by the Nuclear Uniform Curriculum Program (NUCP) for the first online program to align with the NUCP.

The Nuclear Power Technology program provides individuals with the skills and knowledge required for technical positions in nuclear generation stations. This program is based on nuclear industry standards with course objectives aligned to the nuclear industry accredited training programs.

- Overview of Nuclear Energy
- Nuclear Mathematics Fundamentals
- Classical Physics
- Engineering Drawings, Diagrams, and Schematics
- Mechanical Science
- Nuclear Plant Chemistry
- Electrical Science
- Nuclear Physics
- Heat Transfer, Fluid Flow, and Thermodynamics
- Instrumentation and Control
- Science of Radiological Protection
- Material Science
- Reactor Theory
- Nuclear Plant System Component Design and Function
- Reactor Safety Design
- Conduct of Facility Operations



\*Credits earned in this degree will apply toward the Bachelors in Nuclear Engineering Technology from Excelsior College.

## Bachelor of Science in Nuclear Engineering Technology

Excelsior College's online bachelor's program is designed for technicians who are serious about taking their career in nuclear operations to the next level.

This degree emphasizes practical applications of engineering principles as they relate to the nuclear industry.

- Electrical Theory
- Computer Applications
- Plant Systems
- Nuclear Materials
- Health Physics
- Reactor Core Fundamentals

Excelsior College makes it possible to obtain college credit for industry-accredited training programs (NUAP).

The Bachelor of Science in Nuclear Engineering Technology at Excelsior College is accredited by the Technology Accreditation Commission of ABET, Inc.

### EPCE ONLINE SPONSORED PROGRAMS ARE:

#### High Quality

- Offered through quality fully-accredited colleges and universities
- Interactive and instructor-led
- Full-range of advising and support services

#### Industry Supported

- Programs and courses are reviewed by the EPCE industry panel
- Applicable and relevant to an energy industry career
- Tuition is discounted for EPCE member employees

#### Convenient

- Available online 24/7 – study anytime, anywhere
- Reach your education goals while balancing your work and personal life
- Earn college credit for what you already know from previous training, job experience and other college courses



For more information visit:  
[www.epceonline.org](http://www.epceonline.org)