

# Electrical Engineering



## Bachelor-Level Degrees and Certificates in Electrical Engineering



### Bachelor of Science in Electrical Engineering (BSEE)

This online degree completion program is ideal for those who work for or plan to work for electric utilities, equipment manufacturers, or companies that rely heavily on electrical energy. It provides fundamental education in core electrical engineering areas such as:

- ✓ Circuits
- ✓ Electronics
- ✓ Electromagnetics
- ✓ Controls
- ✓ Power
- ✓ Communication

Accredited by the Engineering Accreditation Commission of ABET.



### Bachelor of Science in Electrical Engineering Technology (BSEET)

This online program is ideal for those interested in learning the “know-how” of a technician and the “know-why” of an engineer. The program is designed specifically to advance job skills by ensuring a breadth of knowledge in technology concepts as well as a depth of understanding in one of the concentration areas:

- ✓ Electronics
- ✓ Power Systems
- ✓ Nanotechnology

Accredited by the Engineering Technology Accreditation Commission of ABET, Inc.

### Clemson University Certificate Programs in Electrical Engineering

#### Renewable Energy Certificate

Consists of three courses:

- ✓ Fundamentals of Wind Energy
- ✓ Fundamentals of Solar Energy
- ✓ Renewable Energy Penetration on the Power Grid

#### Power Systems Engineering Certificate

Consists of three courses:

- ✓ Electric Power Engineering
- ✓ Power System Analysis
- ✓ Electric Machines and Drives

#### Benefits:

100% online

Fully accredited

Credit for your experience

EPCE Member Tuition Savings

Flexible to fit your schedule

Align to tuition reimbursement

Interactive and instructor-led

Advising and support services

## Is the BSEE or BSEET degree right for me?

Deciding to pursue the BSEE or BSEET can be based on any combination of factors including skills and abilities, interests and personality, or industry demand and available job opportunities. Individuals looking to pursue a Professional Engineer (PE) license should check with their State’s Board of Professional Engineers for the most current information. In many states, graduates from a BSEE or BSEET program that is ABET accredited may sit for the Fundamentals of Engineering (FE) exam—the first step to becoming a PE.

	<b>Bachelor of Science in Electrical Engineering (BSEE)</b> 	<b>Bachelor of Science Electrical Engineering Technology (BSEET)</b> 
<i>I want to pursue a degree that:</i> <ul style="list-style-type: none"> <li>• Emphasizes...</li> <li>• Develops...</li> <li>• Leads to careers as...</li> </ul>	<ul style="list-style-type: none"> <li>✓ ...concepts and theory (designing and building)</li> <li>✓ ...knowledge of advanced math and science (calculus, computer programming, and physics)</li> <li>✓ ...licensed engineers and engineer managers</li> </ul>	<ul style="list-style-type: none"> <li>✓ ...practice and applications (implementing and testing)</li> <li>✓ ...knowledge of more basic math and science (algebra, applied calculus, and trigonometry)</li> <li>✓ ...applied engineers and engineer technologists</li> </ul>
<i>Is the program ABET accredited?</i>	<ul style="list-style-type: none"> <li>✓ Yes, by the Engineering Accreditation Commission</li> </ul>	<ul style="list-style-type: none"> <li>✓ Yes, by the Engineering Technology Accreditation Commission</li> </ul>
<i>Does the school have regional accreditation?</i>	<ul style="list-style-type: none"> <li>✓ Yes, by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Yes, by the Middle States Commission on Higher Education</li> </ul>
<i>How many credits will I need to graduate?</i>	<ul style="list-style-type: none"> <li>✓ 126 total credit hours</li> </ul>	<ul style="list-style-type: none"> <li>✓ 124 total credit hours</li> </ul>

For a full list of available courses for each program, visit [www.epceonline.org](http://www.epceonline.org)

**Discover** additional programs at: [epceonline.org](http://epceonline.org)



Electrical Power



Nuclear Power



Renewable



Power Systems Engineering



Water



Cybersecurity



MBA



Technology

The Energy Providers Coalition for Education (EPCE) is a national alliance delivering solutions to attract and engage the energy industry’s workforce through online education.