

ELECTRICAL ENGINEERING POST-BACCALAUREATE CREDIT CERTIFICATE PROGRAM

Learning Outcomes

1. **KNOWLEDGE.** Graduates will be able to demonstrate understanding of principles in electrical engineering knowledge in either a broad sense of electrical engineering topics or focused subject area.
2. **CRITICAL THINKING.** Graduates will be able to conceptualize, evaluate and formulate electrical engineering problems, as well as perform the analyses required for problem defining and solving.
3. **PROBLEM SOLVING.** Graduates will be able to apply advanced knowledge, techniques, skills and use software simulation to solve electrical engineering problems.
4. **COMMUNICATE.** Graduates will be able to effectively communicate, using Penn State online learning resources, their solutions to electrical engineering problems, including the use of software simulation tools such as MATLAB.
5. **PROFESSIONALISM.** Graduates will be able to demonstrate professionalism, including the accomplishment of timely assignments and professional communication.