

# ELECTRICAL ENGINEERING, B.S. (BEHREND)

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**Begin Campus:** Any Penn State Campus

**End Campus:** Erie

## Career Paths

Because the discipline is so far-reaching, electrical engineers typically specialize in an area such as microelectronics, computing, communications, signal processing, control systems, or robotics. From there you can further tailor your electrical engineering career to your unique interests and talents by focusing on design, manufacturing, technical sales, research, or a similar professional specialty. Penn State Behrend has a comprehensive support system to help you identify and achieve your goals for college and beyond. Meet with your academic adviser often, and take advantage of the services offered by the Academic and Career Planning Center beginning with your first semester.

## Careers

Employers of recent Penn State Behrend B.S. in Electrical Engineering graduates include BASF, Bechtel, Bettis Atomic Power Laboratory, First Energy, FMC Technologies, General Dynamics Electric Boat, Lockheed Martin, Mercedes Benz, Westinghouse, Southern Maryland Electric Cooperative, and Zoll Medical Corp.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE ELECTRICAL ENGINEERING PROGRAM (<https://behrend.psu.edu/school-of-engineering/academic-programs/electrical-engineering/>)

## Opportunities for Graduate Studies

Graduate programs in electrical engineering delve more deeply into areas of specialization such as signal processing, solid-state devices, photonics, digital systems, computer architecture, and nanotechnology. Electrical engineering can also be a foundation for graduate study in another engineering discipline, such as civil or aerospace engineering. Or, you can earn a master's degree to learn management skills; Penn State Behrend offers a Master of Manufacturing Management (M.M.M) degree program for aspiring organizational leaders.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<https://behrend.psu.edu/school-of-engineering/academic-programs/master-of-manufacturing-management/>)

## Professional Resources

- ABET (<https://www.abet.org/>)
- Institution of Electrical and Electronics Engineers (IEEE) Computer Society (<https://www.computer.org/>)
- Association for Computing Machinery (<https://www.acm.org/>)
- Society of Women Engineers (<https://swe.org>)
- National Society of Black Engineers (<https://www.nsbe.org>)