

# ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY, B.S.

---

**Begin Campus:** Any Penn State Campus

**End Campus:** Erie

## Career Paths

Within the B.S. in Electrical and Computer Engineering Technology there are two options for emphasis study: Electrical Engineering Technology and Computer Engineering Technology. You'll choose the option that best fits your career aspirations. 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 in your first semester.

## Careers

Because of the breadth of experience with both electrical and computer systems, graduates can begin their careers in such areas as electrical and electronic systems design, embedded systems and microcontroller/software applications, automation and process control, field service and application engineering, system integration and testing, quality control, and technical sales and service. Employers of recent Behrend B.S. in Electrical and Computer Engineering Technology graduates include Rovisys, Process and Data Automation, SKF Aeroengine, GE, Northrop Grumman, Lockheed Martin, Eriez Magnetics, First Energy, FMC Technologies, Lutron, and Westinghouse.

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

## Opportunities for Graduate Studies

Master's degree programs in engineering or engineering technology are an option for graduates of the B.S. in Electrical and Computer Engineering Technology. Advanced degree programs delve more deeply into areas of specialization such as embedded systems, automation and process control, software development, networking, and power systems. Or, you can use 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 (<https://www.ieee.org>)
- IEEE Computer Society (<https://www.computer.org/>)
- Association for Computing Machinery (<https://www.acm.org/>)
- Institution of Engineering and Technology (<https://www.theiet.org/>)

- Society of Women Engineers (<https://swe.org>)
- National Society of Black Engineers (<https://www.nsbe.org>)