

# BIOMEDICAL ENGINEERING TECHNOLOGY, A.ENG.T.

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Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

**Begin Campus:** Altoona, Berks, DuBois, Erie, Fayette, New Kensington, Wilkes-Barre, York

**End Campus:** New Kensington

## Program Educational Objectives

The Biomedical Engineering Technology program is designed to provide a curriculum that prepares students to pursue a career in the evolving healthcare technology management (HTM) field and to develop in their profession. Due to their experience in our program, within few years of graduation, our graduates will have:

1. Demonstrated proficiency in installing, performing acceptance testing and preventive maintenance (PMs) inspections, troubleshooting, repairing, and performing network integration on a wide variety of medical devices using standards, regulations, and quality improvement plans.
2. Shown the ability to adapt to evolving technologies and effectively apply engineering technology knowledge and tools in the healthcare technology management (HTM) field.
3. Engaged in continuous learning through CBET (Certified Biomedical Equipment Technician) certification and/or other professional training programs and independent study.
4. Worked both independently and collaboratively in multi-disciplinary teams, communicating effectively with clinical staff, related healthcare professionals, and administrative staff.

## Student Outcomes

Student outcomes describe what students are expected to know and be able to do by the time of graduation. The Biomedical Engineering Technology program is designed to enable students to:

1. Apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering and technology to solve well-defined engineering problems appropriate to the discipline.
2. Design solutions for well-defined technical problems and assist with engineering design of systems, components, or processes appropriate to the discipline.
3. Apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.
4. Conduct standard tests, measurements, and experiments and to analyze and interpret the results.
5. Function effectively as member of technical team.