DEGREE INFORMATION

Healthcare providers, including hospitals and clinics, rely on biomedical engineering technicians to operate, maintain, troubleshoot, and repair medical equipment. The BET degree can prepare you to work in this expanding technical field.

In addition to a well-rounded general education core, the 71-credit curriculum includes courses in electricity and electronics, physiology, chemistry, mathematics, information sciences, computer networking, physiological transducers, biomedical equipment, and medical equipment troubleshooting. Within this curriculum, students learn operation, inspection procedures, preventive maintenance, and troubleshooting of most of the standard types of medical instrumentation. Throughout the program, they will gain exposure and experience working with patient monitors, infusion devices, electro surgical units, defibrillators, pacemakers, anesthesia machines, and ventilators, just to name a few.

The curriculum culminates in a 400 hour (40 hours/week for 10 weeks) clinical leadership at one of over 50 approved healthcare facilities throughout Pennsylvania, Ohio, West Virginia, Maryland and many other states.

This curriculum not only prepares students for entry into the biomedical field, but also gives them the education necessary to sit for the International Certification Commission (ICC) Certified Biomedical Engineering Technician (CBET) exam or to pursue a B.S. degree in Engineering Technology.

The Penn State New Kensington Biomedical Engineering Technology (BET) associate degree program is one of only several programs of its kind in the nation. This program is accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org

Visit us on the web at: www.nk.psu.edu/bet