

# Bio-Medical Engineering Technology (BMET)



## Program Educational Objectives

1. Engineering Technology Graduates will successfully demonstrate effective oral and written communication skills using modern technology.
2. Engineering Technology Graduates will successfully demonstrate an ability to work independently as an effective member of a team to complete projects.
3. Engineering Technology Graduates will successfully demonstrate an ability to explain professional, ethical, and social responsibilities, as well as the need for lifelong learning in the engineering profession.
4. Engineering Technology Graduates will successfully demonstrate an ability to apply current knowledge of math, science, engineering, and technology to design, build/modify, troubleshoot, install, operate, and maintain equipment using schematic and/or mechanical drawings, instrumentation, productivity tools, safety, and other appropriate standards.



## Student Outcomes

- A. Students shall demonstrate an ability to apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities.
- B. Students shall demonstrate an ability to apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge.
- C. Students shall demonstrate an ability to conduct standard tests and measurements, and to conduct, analyze, and interpret experiments.
- D. Students shall demonstrate an ability to function effectively as a member of a technical team.
- E. Students shall demonstrate an ability to identify, analyze, and solve narrowly defined engineering technology problems.
- F. Students shall demonstrate an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.
- G. Students shall demonstrate an understanding of the need for and an ability to engage in self-directed continuing and professional development.
- H. Students shall demonstrate an understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity.
- I. Students shall demonstrate a commitment to quality, timeliness, and continuous improvement.



The Bio-Medical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.