

Biomedical Engineering Technology Degree Program

By providing a firm foundation in biological sciences as well as core competencies required of electronics engineering technologists, DeVry's Biomedical Engineering Technology (BMET) program prepares graduates to enter the work force as technical professionals with competencies in bioengineering processes and tools.

BMET graduates play essential roles on the biomedical team, typically designing and implementing hardware and software solutions to biological or medical problems. The curriculum is applications-oriented in the areas of physiological bioinstrumentation and informatics, providing knowledge and skills graduates need to function effectively in multidisciplinary teams, adapt to changes in technical environments throughout their careers and progress in their professional responsibilities.

Note: To complete their program, BMET students must meet requirements outlined in Electronics and Engineering Technology – General Course Requirements and may also have to satisfy requirements outlined in Healthcare Site Requirements.

This program is accredited, by location¹, by the Engineering Technology Accreditation Commission (ETAC) of ABET. [Additional information is available in Programmatic Accreditation and Recognition](#). More information about ETAC of ABET is available at www.abet.org.

Program Educational Objectives

Program educational objectives are broad statements that describe what graduates are expected to attain within a few years of graduation. Program educational objectives are based on the needs of the program's constituencies. BMET program educational objectives include:

- Finding employment in a biomedical-technology-related position with appropriate title and compensation.
- Achieving a successful professional career.
- Adapting to change through continuous personal and professional development.

Student Outcomes

Student outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the skills, knowledge, and behaviors that students acquire as they progress through the program. Student outcomes for the BMET program include:

- An ability to select and apply the knowledge, techniques, skills, and modern tools of their disciplines to broadly defined engineering technology activities.
- An ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures and methodologies.

¹ The following locations are included in the accreditation awarded by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>: Addison, Chicago, Columbus, Decatur, Ft. Washington, Fremont, Irving, Midtown Manhattan, Miramar, North Brunswick, Orlando, Phoenix, Tinley Park

- An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes.
- An ability to design systems, components, or processes for broadly defined engineering technology problems appropriate to program educational objectives.
- An ability to function effectively as a member or leader on a technical team.
- An ability to identify, analyze, and solve broadly defined engineering technology problems.
- An ability to communicate effectively regarding broadly defined engineering technology activities.
- An understanding of the need for and an ability to engage in self-directed continuing professional development.
- An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.
- A knowledge of the impact of engineering technology solutions in a societal and global context.
- A commitment to quality, timeliness, and continuous improvement.
- An appropriate level of achievement of the body of knowledge required by the Association for the Advancement of Medical Instrumentation (AAMI), as listed in the program criteria applicable to biomedical engineering Technology programs contained within the ETAC of ABET *Criteria for Accrediting Engineering Technology Programs*.

BMET Program Details:

Degree: Bachelor of Science in Biomedical Engineering Technology (in New York, Bachelor of Technology in Biomedical Engineering Technology)

Semesters: 9 full time

Minimum credit hours required for graduation: 139

Enrollment and Graduation data:

Program	ENROLLMENT	GRADUATION		
	Fall 2017	2014-15	2015-16	2016-17
Biomedical Engineering Technology	105	73	73	81

Notes:

- Enrollment counts include any student enrolled in the given program during any session of any Fall semester for the given year.
- Completion counts include awards conferred between July 01 and June 30 of the given academic year.
- U.S. locations only. The BMET program is only offered at select locations. However, most coursework can be taken online.
- Enrollment and graduation information above is an aggregate of all locations offering the program. Enrollment and graduate numbers at individual locations are lower.