

Computer Engineering Technology & Engineering Technology-Computer Degree Programs

The Computer Engineering Technology (CET) program offered at DeVry University prepares graduates to join the work force as technical professionals in a variety of industries, including information technology. DeVry University students also have the option of earning a degree online with our bachelor's degree program in Engineering Technology-Computers (ET-C). CET and ET-C graduates take an applications-oriented approach to designing and implementing software, interfaces that link computers to other physical systems, and computer systems or other digital subsystems. They design software systems; create code and protocols; test and evaluate hardware and software products and processes; and diagnose and solve problems. Graduates should also possess appropriate knowledge, experience and skills to function effectively in multidisciplinary teams, adapt to changes in technical environments throughout their careers and progress in their professional responsibilities.

The CET program is accredited, by location¹, by the Engineering Technology Accreditation Commission (ETAC) of ABET. The online ET-C program is also accredited by 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. The CET and ET-C programs have the same Program Educational Objectives including:

- Finding employment in a computer-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. The CET and ET-C programs have the same student outcomes including:

- 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.
- 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.

¹ The following locations are included in the accreditation awarded by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>: Addison, Alpharetta, Arlington, Chicago, Columbus, Decatur, Ft. Washington, Fremont, Houston, Irving, Kansas City, Long Beach, Midtown Manhattan, Miramar, Orlando, Phoenix, Pomona, Sherman Oaks, Tinley Park, Westminster

- 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 Institute of Electrical and Electronics Engineers (*IEEE*), as listed in the program criteria applicable to computer engineering technology programs contained within the ETAC of ABET *Criteria for Accrediting Engineering Technology Programs*.

CET Program Details:

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

Semesters: 9 full time

Minimum credit hours required for graduation: 139

ET-C Program Details:

Degree: Bachelor of Science in Engineering Technology – Computers

Semesters: 9 full time

Minimum credit hours required for graduation: 139

Student Enrollment and Graduation data:

Program	ENROLLMEN	GRADUATION		
	Fall 2016	2013-14	2014-15	2015-16
Computer Engineering Technology	236	116	86	79
Engineering Technology-Computers	164	4	11	10

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.
- The CET program is presently only offered at select locations. However, most coursework can be taken online.
- The ET-C is a program that offers a completely online delivery option. However, coursework can be taken at a campus where geographically possible.
- Enrollment and graduation information above for the CET program is an aggregate of all locations. Enrollment and graduate numbers at individual CET program locations are lower.