

## Computer Engineering Technology & Engineering Technology-Computer Degree Programs

The Computer Engineering Technology (CET) program offered at DeVry University prepares 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.

Onsite graduation pathways at certain locations are ABET-accredited<sup>1</sup>. The online graduation pathway is presently not ABET-Accredited. [Additional information is available in Programmatic Accreditation and Recognition.](#) More information about ETAC of ABET is available at [www.abet.org](http://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.

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<sup>1</sup> The following locations are accredited by Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>: Addison, Alpharetta, Arlington, Chicago, Columbus, Decatur, Federal Way, 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/Concentration	ENROLLMENT	GRADUATION		
	Fall 2015	20012-13	2013-14	2014-15
Computer Engineering Technology	416	125	116	86
Engineering Technology-Computers <sup>2</sup>	199	1	4	11

**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.

<sup>2</sup> Includes the online program and onsite programs that are not currently ABET accredited.