ABOUT THIS DEGREE PROGRAM

A PROGRAM TO FUEL YOUR FUTURE
Learn the foundations of programming, networking and digital systems and apply these skills to create and troubleshoot computer-based systems and applications. Through this program you can develop an understanding in specialized areas such as control systems, communications and advanced computing.

IS THIS PROGRAM FOR YOU?
If you are interested in the development of computer applications, from design to implementation, then this program is for you.

CAREER OPPORTUNITIES
Graduates of DeVry’s Engineering Technology - Computers degree program may consider, but are not limited to, the following careers:

- Computer Support Specialist
- Computer Systems Analyst
- Electrical Engineering Technician
- Electronics Technician
- Electronics Engineering Technician

WHAT YOU’LL LEARN

ESSENTIALS
- Communicate methods and findings
- Collaborate in dynamic work environments
- Solve complex problems
- Analyze numerical data
- Apply appropriate technologies

PROGRAM
- Work with networked, computer-controlled systems
- Test and measure electronic and digital systems
- Troubleshoot computer-based systems

SPECIALIZED
- Develop microprocessor based systems
- Create programs leveraging algorithms designed to meet user needs
- Apply database programming skills
- Use software application and programming skills to solve business-oriented problems

QUICK FACTS

139 CREDIT HOURS
minimum credit hours required for graduation

3 Years
minimum length to graduation

ACCREDITATION MATTERS
ETAC of ABET promotes technical education excellence by offering programmatic accreditation to institutions that meet their quality standards. This is a global mark of quality that is valued by employers and professional associations within the Engineering Technology field.

The Engineering Technology - Computers degree program is accredited by The Engineering Technology Accreditation Commission of ABET (ETAC of ABET) www.abet.org.

LEARN FROM THOSE WHO LEAD
Our faculty possesses academic credentials and professional experience. They bring hard-earned knowledge from years of study and expertise honed through years of experience in the fields they teach.

1 Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devry.edu/degree-programs.html.
Bachelor's Degree Program
Engineering Technology - Computers

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**COMMUNICATION SKILLS**
- ENGL112  Composition
- ENGL135  Advanced Composition
- ENGL216  Technical Writing
- SPCH275  Public Speaking

**HUMANITIES**
- HUMN303  Introduction to the Humanities
- ETHC445  Principles of Ethics
- LAS432   Technology, Society, and Culture

**SOCIAL SCIENCES**
- ECON312  Principles of Economics
- SOCS185  Culture and Society
- SOCS325  Environmental Sociology

**MATHEMATICS, ANALYTICAL METHODS AND NATURAL SCIENCES**
- ECET345  Signals and Systems with Lab
- MATH114  Algebra for College Students
- MATH190  Pre-Calculus
- MATH221  Statistics for Decision-Making
- MATH265  Applied Calculus
- PHYS204  Applied Physics with Lab

**PERSONAL AND PROFESSIONAL DEVELOPMENT**
- CARD405  Career Development
- COLL148  Critical Thinking and Problem-Solving

**ELECTRONIC CIRCUITS AND DEVICES**
- ECET110  Electronic Circuits and Devices I with Lab
- ECET210  Electronic Circuits and Devices II with Lab
- ECET220  Electronic Circuits and Devices III with Lab
- ECET350  Signal Processing with Lab

**DIGITAL CIRCUITS AND MICROPROCESSORS**
- CEIS100  Introduction to Engineering Technology and Information Sciences
- ECET105  Digital Fundamentals with Lab
- ECET230  Digital Circuits and Systems with Lab
- ECET330  Microprocessor Architecture with Lab
- ECET340  Microprocessor Interfacing with Lab
- ECET365  Embedded Microprocessor Systems with Lab

**COMPUTER PROGRAMMING AND NETWORKING**
- CEIS295  Data Structures and Algorithms
- CIS170C  Programming with Lab
- CIS247C  Object-Oriented Programming with Lab
- CIS336  Introduction to Database with Lab
- CIS355A  Business Application Programming with Lab
- ECET360  Operating Systems with Lab
- ECET375  Data Communications and Networking with Lab
- ECET465  Advanced Networks with Lab
- ECET490  Distributed Computing System Design with Lab

**SENIOR PROJECT DESIGN AND DEVELOPMENT**
- ECET390  Product Development
- ECET492L  Senior Project Development Lab I
- ECET493L  Senior Project Development Lab II
- ECET494L  Senior Project Development Lab III

**TECHNOLOGY INTEGRATION**
- ECET299  Technology Integration I
- ECET497  Technology Integration II

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In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), www.hlcommission.org. Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Arlington Campus: 2450 Crystal Dr., Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. Nashville Campus: 3343 Perimeter Hill Dr., Nashville, TN 37211. Programs, course requirements and availability vary by location. Some courses may be available online only. All students enrolled in site-based programs will be required to take some coursework online and, for some programs and locations, a substantial portion of the program may be required to be completed online. DeVry's academic catalog, available via devry.edu/catalogs, contains the most current and detailed program information, including admission, progression and graduation requirements. Information contained herein is effective as of date of publishing. ©2019 DeVry Educational Development Corp. All rights reserved. Version 1/10/20