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
• Analyze 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

### ESSENTIALS

<table>
<thead>
<tr>
<th>Program</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Skills</td>
<td>62</td>
</tr>
<tr>
<td>Electronic Circuits and Devices</td>
<td>36</td>
</tr>
<tr>
<td>Specialized</td>
<td>42</td>
</tr>
</tbody>
</table>

#### 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
- ECN312 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

### PROGRAM

#### 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

### SPECIALIZED

#### 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