BACHELOR'S DEGREE PROGRAM | TECH - ENGINEERING TECHNOLOGY

ENGINEERING TECHNOLOGY -COMPUTERS



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 <u>Engineering Technology – Computers</u> degree program may consider, but are not limited to, the following careers:

- Computer Support Specialist
 Electronics Technician
- Computer Systems Analyst
 Electrical 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



139 CREDIT HOURS minimum credit hours required for graduation

3 Years minimum length to graduation'

Engineering ACCR Technology Accreditation ETAC of

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 accomplished faculty of experienced educators is passionate about teaching and guiding students toward success. Shape and build your education with guidance from faculty who challenge you intellectually and provide insight into new learnings from their real-world knowledge and industry expertise.



Electronics Engineering

Technician







Bachelor's Degree Program

Engineering Technology - Computers

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CREDIT HOURS

ESSENTIALS

сомм	UNIC	ATION	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 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	Λ	41
TECH CORE		CREDIT HOURS
CEIS101	Introduction to Technology and Systems	Information
CEIS106	Introduction to Operating Syste	ms
CEIS110	Introduction to Programming	
CEIS114	Introduction to Digital Devices	
NETW191	Fundamentals of Information Te & Networking	echnology
NETW211	Fundamentals of Cloud Comput	ing
SEC285	Fundamentals of Information Sy Security	ystems

ELECTRONIC CIRCUITS AND DEVICES

ECET365	Embedded Microprocessor Systems with Lab
ECT222	Circuit Analysis Fundamentals
ECT225	Electronic Devices and Systems
ECT284	Automation and Control Systems with Lab
SEC310	Principles and Theory of Security
	Management

SPECIALIZED

COMPUTER PROGRAMMING AND NETWORKING

CEIS150	Programming with Objects
CEIS209	Intermediate Programming
CEIS236	Database Systems and Programming Fundamentals
CEIS295	Data Structures and Algorithms
CIS355A	Business Application Programming with Lab
NETW411	Information Security and Mobile Devices
WEB375	Web Architecture with Lab

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CREDIT HOURS

CAREER PREPARATION

CEIS299	Careers and Technology
CEIS499	Preparation for the Profession
MGMT404	Project Management
TECH460	Senior Project

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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).<u>www.hlcommission.org</u>. Keller Graduate School of Management is included in this accreditation. DeVry is certified to operate by the State Council of Higher Education for Virginia. Atlington Campus: 2450 Crystal Dr., Atlington, VA 2202. DeVry University is authorized for operation as a postsecondary educational institution by the <u>Tennessee Higher Education Commission</u>, www.htm.gov/thec. Nashville Campus: 301 S. Perimeter Park Dr., Ster. 100, 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. @2021 DeVry Educational Development Corp. All rights reserved. Version 5/24/21

