ABOUT THIS DEGREE PROGRAM

A FOUNDATION IN TECHNOLOGY
This program is anchored with Tech Core, curriculum designed to help you build a foundation of interdisciplinary skills you’ll need for today’s Internet of Things (IoT) economy. You’ll learn relevant skills in operating systems, programming, hardware, connectivity and security – giving you a hands-on foundation in engineering technology, information technology and software and information systems.

A PROGRAM TO FUEL YOUR FUTURE
With this program, you’ll not only be armed with the Tech Core experience, but you’ll also be exposed to a variety of concepts that can help guide your specialization choice in Cloud Based Networking and Virtualization, Cyber Security or Mobile and Networked Devices.

IS THIS PROGRAM FOR YOU?
Interested in a career in information technology but not sure where to focus? With this program, you’ll be exposed to cyber security, networking, mobile technologies and cloud-based systems and be better armed to choose your path.

CAREER OPPORTUNITIES
Graduates of DeVry’s Information Technology and Networking degree program may consider, but are not limited to, the following careers:
• Computer Network Support Specialist
• Computer Systems Analyst

WHAT YOU’LL LEARN

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

TECH CORE
• Produce, secure, operate and troubleshoot small enterprise networks
• Network, secure and deploy digital devices and sensors into the IoT ecosystem
• Solve technical problems using an algorithmic approach and basic programming and coding methods
• Install and configure operating systems using command-line interface (CLI)

PROGRAM
• Develop applications in an IDE framework
• Design LANs and VLANs
• Understand architecture and design
• Understand operation, regulation and trends

QUICK FACTS

120 CREDIT HOURS
minimum credit hours required for graduation

THE SMART WAY TO BE UNDECIDED
With our undecided model, you’ll be exposed to three different specializations and be better armed to choose your path.¹

ACCELERATE AT YOUR PACE
Choose the schedule that best fits your goals and commitments. You can earn your Bachelor’s Degree in as little as 2 years 8 months.
Or, follow a normal schedule and complete your program in 4 years.

¹Must declare a specialization by 60 credit hours for bachelor’s degree program.

*Per 12-month period, assumes completion of 3 semesters, enrollment in 12-19 credit hours per semester and continuous, full-time year-round enrollment with no breaks.
**Per 12-month period, assumes completion of 2 semesters and full-time enrollment in 12-26 credit hours per semester.
Bachelor's Degree Program | Tech - Information Technology

Information Technology & Networking

ESSENTIALS

COMMUNICATION SKILLS
ENGL112 Composition
ENGL135 Advanced Composition
ENGL216 Technical Writing
Select one
SPCH275 Public Speaking
SPCH276 Intercultural Communication

HUMANITIES
LAS432 Technology, Society, and Culture
Select one
ETHC232 Ethical and Legal Issues in the Professions
ETHC334 Diversity, Equity and Inclusion in the Workplace

SOCIAL SCIENCES
ECON312 Principles of Economics
SOCS185 Culture and Society
Select one
SOCS325 Environmental Sociology
SOCS350 Cultural Diversity in the Professions

MATHEMATICS AND NATURAL SCIENCES
MATH114 Algebra for College Students
MATH234 Discrete Math in Information Technology
PHYS204 Applied Physics with Lab
TECH221 Data-Driven Decision - Making

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

BE AN ACTIVE PART OF AN INCLUSIVE FUTURE
Customize your curriculum by choosing Diversity, Equity and Inclusion (DE&I) course alternates for your Communication Skills, Humanities and Social Science courses. These course options – denoted by this icon – highlight relevant topics to help empower you to promote an inclusive workplace.

TECH CORE

TECH CORE
CEIS101 Introduction to Technology and Information Systems
CEIS106 Introduction to Operating Systems
CEIS110 Introduction to Programming
CEIS114 Introduction to Digital Devices
NETW191 Fundamentals of Information Technology and Networking
NETW212 Introduction to Cloud Computing
SEC285 Fundamentals of Information Systems Security

PROGRAM

INFORMATION SYSTEMS AND PROGRAMMING
CEIS150 Programming with Objects
CEIS236 Database Systems and Programming Fundamentals
SEC313 Applied AI for Cybersecurity

NETWORK SYSTEMS ADMINISTRATION
NETW260 Intermediate Information Technology and Networking I
NETW270 Intermediate Information Technology and Networking II
NETW310 Wired, Optical and Wireless Communications with Lab
NETW404 Data Center Virtualization
TECH408 Applied AI for Management and Technology

CAREER PREPARATION
CEIS298 Introduction to Technical Project Management
CEIS499 Preparation for the Profession
MGMT404 Project Management
TECH460 Senior Project

SPECIALIZED

Students who have not chosen an area of specialization may begin the program in “Undecided” status; however, they must select a specialization by the time they have earned 60 semester credit hours toward their degree.

Available specializations are:
- Cloud Based Networking and Virtualization
- Cyber Security
- Mobile and Networked Devices

DEMONSTRATE SKILLS AT EVERY STEP

EMBEDDED PROGRAMS
Earn two additional credentials with our unique 3-in-1 design. All courses in our Networking Essentials certificate and Information Technology and Networking associate degree are embedded within this program. So you can earn a certificate and an associate degree on the way to your bachelor’s degree.

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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. The University’s 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: 1400 Crystal Dr., Ste. 120, Arlington, VA 22202. DeVry University is authorized for operation as a postsecondary educational institution by the Tennessee Higher Education Commission, www.tn.gov/thec. In site-based programs, students will be required to take a substantial amount of coursework online to complete their program. ©2023 DeVry Educational Development Corp. All rights reserved. Version 10/10/2023