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**
Learn protocols and techniques necessary to respond to and minimize damage from a cyberattack. You’ll also learn how a computer forensic team works to identify breaches and hacks, understand the source and recover assets.

**IS THIS PROGRAM FOR YOU?**
Want to pursue a career in computer information systems and interested in solving and responding to cybercrime? Then this program may be the right fit for you.

**CAREER OPPORTUNITIES**
Graduates of DeVry’s Computer Information Systems degree program with a specialization in Computer Forensics may consider, but are not limited to, the following careers:
- Computer/Digital Forensic Investigator
- Computer Systems Analyst
- Forensics Expert
- Computer Programmer
- Computer Security Specialist

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**
- Use advanced programming techniques
- Develop applications
- Analyze and design software systems
- Develop web-based interfaces and designs

**SPECIALIZED**
- Understand legalities in a digital environment
- Investigate illegal and unethical activity
- Recognize security issues and deploy solutions
- Assess threats and develop countermeasures

QUICK FACTS

**124 CREDIT HOURS**
minimum credit hours required for graduation

**7% GROWTH**
nationally from 2019-2029 for Employment of Computer Systems Analysts

**2 + 8 YEARS + MONTHS**
minimum length to graduation

**3-IN-1**
Earn two extra credentials with our unique 3-in-1 design. All courses in our Programming Essentials Certificate and Information Technology & Networking associate degree with a specialization in Information Systems and Programming are embedded within this program. So you can earn a certificate and an associate degree on the way to your bachelor’s.

**IoT KIT**
You can simulate the Internet of Things (IoT) experience wherever you are. With our IoT Kit, you’ll get hands-on experience in how IoT technologies work in the real world. Your kit will include digital devices, sensors and cloud-based tools you will use to build relevant IoT systems.

**CERTIFICATION EXAM REIMBURSEMENT**
We reimburse qualified students up to $300 for the cost of one industry certification exam attempt across a wide range of fields.

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1 127 for students enrolled at a Pennsylvania location
3 Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at [https://www.devry.edu/online-programs.html](https://www.devry.edu/online-programs.html).
4 The IoT Kit is a required expense and is not complimentary.
Bachelor's Degree Program

Computer Information Systems | Computer Forensics

ESSENTIALS

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

HUMANITIES
ETHC232 Ethical and Legal Issues in the Professions
LAS432 Technology, Society, and Culture

SPECIALIZED

COMPUTER FORENSICS
CCSI410 Digital Forensics I with Lab
CCSI460 Digital Forensics II with Lab
SEC310 Principles and Theory of Security Management
SEC440 Information Systems Security Planning and Audit

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
NETW211 Fundamentals of Cloud Computing
SEC285 Fundamentals of Information Security

PROGRAM

INFORMATION SYSTEMS AND PROGRAMMING
CEIS236 Database Systems and Programming Fundamentals
CEIS312 Introduction to Artificial Intelligence and Machine Learning
CIS170C Programming with Lab
CIS247C Object-Oriented Programming with Lab
CIS355A Business Application Programming with Lab

APPLICATION DEVELOPMENT
CIS363B Web Interface Design with Lab
CIS407A Web Application Development with Lab
WBG310 Interactive Web Page Scripting with Lab

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

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ENGL135 Advanced Composition
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SPCH275 Public Speaking

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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). 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. 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. ©2020 DeVry Educational Development Corp. All rights reserved. Version 12/16/20