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
- Computer Security Specialist
- Forensics Expert

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 graduation1

7% GROWTH
nationally from 2019-2029 for Employment of Computer Systems Analysts2

2 YEARS  8 MONTHS
minimum length to graduation3

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 Kit4, 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.
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**
- ETCH232 Ethical and Legal Issues in the Professions
- LAS432 Technology, Society, and Culture

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

**MATHEMATICS AND NATURAL SCIENCES**
- MATH114 Algebra for College Students
- MATH221 Statistics for Decision-Making
- PHYS204 Applied Physics with Lab

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

**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
- 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

**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

**DEMONSTRATE SKILLS AT EVERY STEP**

**BACHELOR'S ASSOCIATE**
- CERTIFICATE 22 CREDIT HOURS
- 60 CREDIT HOURS
- 124 CREDIT HOURS

**EMBEDDED PROGRAMS**

With our exclusive 3-in-1 design, you can earn two additional credentials while acquiring your Computer Forensic specialization or Computer Information Systems degree. All courses in our Programming 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.