



Bachelor's Degree Program

# COMPUTER INFORMATION SYSTEMS

Specialization: **Computer Forensics**

TECHNOLOGY  
SOFTWARE AND INFORMATION SYSTEMS

## ABOUT THIS DEGREE PROGRAM

### TECH CORE

#### 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 Programmer
- 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 graduation<sup>1</sup>

**9%**  
GROWTH  
nationally from 2016-2026 for Employment of Computer Systems Analysts<sup>2</sup>

**2 + 8**  
YEARS MONTHS  
minimum length to graduation<sup>3</sup>

### TWO IN ONE

#### 2-IN-1

Earn an extra credential with our unique 2-in-1 design. All courses in our, Information Technology & Networking Associate degree are embedded within this program. So you can earn an associate degree on the way to your bachelor's.

#### PORTABLE IOT KIT

You can simulate the Internet of Things (IoT) experience wherever you are. With our portable 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 other tools you will use to build relevant IoT systems.

### IoT KIT

UP TO \$300

#### 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.

“My professors have been awesome. They are patient and really explain the material and are willing to work with students if they need assistance.”

- Katherine G.,  
2016 DeVry Graduate, Computer Information Systems

DeVry University

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<sup>1</sup>127 for students enrolled at a Pennsylvania location

<sup>2</sup> <https://www.bls.gov/ooh/computer-and-information-technology/computer-systems-analysts.htm>. Data reflects a national projected percentage change in employment from 2016-2026 and may not reflect local economic conditions.

<sup>3</sup>Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/degree-programs.html>.



## ESSENTIALS

**47**  
CREDIT HOURS

### Communication Skills

ENGL112 <sup>1</sup>	Composition
ENGL135	Advanced Composition
ENGL216	Technical Writing
SPCH275	Public Speaking

### Humanities<sup>2</sup>

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

### Social Sciences

ECON312	Principles of Economics
SOCS185	Culture and Society
SOCS325 <sup>3</sup>	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

<sup>1</sup> Students enrolled at a New Jersey location take ENGL108 in lieu of this course.

<sup>2</sup> Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.

<sup>3</sup> Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.

## TECH CORE

**21**  
CREDIT HOURS

### Tech Core

CEIS101	Introduction to Technology and Information Systems
CEIS106	Introduction to Operating Systems
CEIS110	Introduction to Programming
CEIS114	Introduction to Digital Devices
NETW190	Fundamentals of Information Technology and Networking I
NETW200	Fundamentals of Information Technology and Networking II
SEC285	Fundamentals of Information Security

## PROGRAM

**40**  
CREDIT HOURS

### Information Systems and Programming

CEIS236	Database Systems and Programming Fundamentals
CIS170C	Programming with Lab
CIS247C	Object-Oriented Programming with Lab

### Application Development

CIS321	Structured Analysis and Design
CIS339	Object-Oriented Analysis and Design
CIS355A	Business Application Programming with Lab
CIS363B	Web Interface Design with Lab
CIS407A	Web Application Development with Lab
WBG310	Interactive Web Page Scripting with Lab

### Senior Project

CEIS392	Product, Project, and People Management
CEIS494	Senior Project I
CEIS496	Senior Project II

### Technology Career Preparation

CEIS299	Careers and Technology
CEIS499	Preparation for the Profession

## SPECIALIZED

**16**  
CREDIT HOURS

### 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