Bachelor’s Degree Program

COMPUTER INFORMATION SYSTEMS
Specialization: Computer Forensics

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 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

9% GROWTH
nationally from 2016-2026 for Employment of Computer Systems Analysts

2+8 YEARS MONTHS
minimum length to graduation

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.

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.

Amy 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

127 for students enrolled at a Pennsylvania location
2https://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.
3Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devry.edu/degree-programs.html.
# Bachelor's Degree Program

## Computer Information Systems | Computer Forensics

### Essentials

- **Communication Skills**
  - ENGL112 Composition
  - ENGL35 Advanced Composition
  - ENGL216 Technical Writing
  - SPC1275 Public Speaking

- **Humanities**
  - ETHC232 Ethical and Legal Issues in the Professions
  - LAS43 Social Issues, Society, and Culture

- **Social Sciences**
  - ECON31 Principles of Economics
  - SOCS185 Culture and Society
  - SOCS325 Environmental Sociology

- **Mathematics and Natural Sciences**
  - MATH114 Algebra for College Students
  - MATH221 Applied Statistics for Decision Making
  - PHYS204 Applied Physics with Lab

- **Personal and Professional Development**
  - CARD405 Career Development
  - COLL148 Critical Thinking and Problem Solving

### Tech Core

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEIS101</td>
<td>Introduction to Technology and Information Systems</td>
</tr>
<tr>
<td>CEIS106</td>
<td>Introduction to Operating Systems</td>
</tr>
<tr>
<td>CEIS110</td>
<td>Introduction to Programming</td>
</tr>
<tr>
<td>CEIS114</td>
<td>Introduction to Digital Devices</td>
</tr>
<tr>
<td>NETW190</td>
<td>Fundamentals of Information Technology and Networking I</td>
</tr>
<tr>
<td>NETW200</td>
<td>Fundamentals of Information Technology and Networking II</td>
</tr>
<tr>
<td>SEC285</td>
<td>Fundamentals of Information Security</td>
</tr>
</tbody>
</table>

### Program

#### 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

- **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

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1. Students enrolled at a New Jersey location take ENGL108 in lieu of this course.
2. Students enrolled at a Pennsylvania location must take HUMN451 as part of this requirement.
3. Students enrolled at a Nevada location must take POLI332 in lieu of this requirement.