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
In addition to the Tech Core curriculum, other coursework along your educational journey will expose you to a variety of concepts that can help guide your specialization choice. There are seven specializations available: Computer Forensics, Cyber Security Programming, Database Management, Information Systems Security, Software Programming, Web Development and Administration, and Web Game Programming.

IS THIS PROGRAM FOR YOU?
Interested in a career in computer information systems but not sure where to focus? In this program, you’ll be exposed to seven degree specializations in areas such as computer forensics and information security and be better equipped to choose your path.

CAREER OPPORTUNITIES
Graduates of DeVry’s Computer Information Systems degree program may consider, but are not limited to, the following careers:

- Computer Programmer
- Computer Security Specialist
- Data Analyst
- Database Administrator
- Computer Support Specialist
- Data Scientist

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
- Understand network types and designs
- Deploy cryptographic and hacking methodologies

QUICK FACTS

124
CREDIT HOURS
minimum credit hours required for graduation

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

SKILL FOCUSED CURRICULUM
Elements of our technology curriculum help prepare you to pursue certification opportunities that can validate your knowledge and skills.

- CompTIA Linux+
- CompTIA Network+
- CompTIA Cloud+
- CompTIA Security+
- CompTIA Project+
- PCEP Certified Entry-Level Python Programmer

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.

2 years
8 months
OR
4 years

¹Must declare a specialization by 30 credit hours for associate degree program and 60 credit hours for bachelor’s degree program.
Computer Information Systems

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: Intercultural Communication

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
- PHYS204: Applied Physics with Lab
- TECH221: Data-Driven Decision-Making

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

PROGRAM

INFORMATION SYSTEMS AND PROGRAMMING
- 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

DEMONSTRATE SKILLS AT EVERY STEP

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

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:
- Computer Forensics
- Cyber Security Programming
- Database Management
- Information Systems Security
- Software Programming
- Web Development and Administration
- Web Game Programming

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

14 for students enrolled at a New Jersey location

2 Students enrolled at a New Jersey location take ENGL110I in lieu of this course.

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

Students enrolled at a New Jersey location must take an additional six semester-credit hours of general education coursework from among the following course areas: communication skills, humanities, social sciences, mathematics and natural sciences. Courses selected in humanities or social sciences should be upper-division coursework (DeVry courses numbered 300-499).

DEvry University