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
- Software Engineering
- Database Administrator
- Computer Support Specialist
- 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
- Understand network types and designs
- Deploy cryptographic and hacking methodologies

QUICK FACTS

124 CREDIT HOURS
minimum credit hours required for graduation

2 + 8 YEARS + MONTHS
minimum length to 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.

WORK WITH IOT TECHNOLOGIES & SYSTEMS
Immerse yourself in the Internet of Things (IoT) world and obtain hands-on experience with IoT, cloud, and security technologies and systems.

DeVry University
Bachelor’s Degree Program
Computer Information Systems

ESSENTIALS

COMMUNICATION SKILLS
- ENGL112
- ENGL135
- ENGL216
- SPCH275

HUMANITIES
- ETHC232
- LAS432

SOCIAL SCIENCES
- ECON312
- SOCS185
- SOCS325

MATHEMATICS AND NATURAL SCIENCES
- MATH114
- MATH221
- PHYS204

PERSONAL AND PROFESSIONAL DEVELOPMENT
- CARD405
- COLL148

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 to earn a certificate and an associate degree on the way to your bachelor’s degree.

Demonstrate Skills at Every Step

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

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
- CEIS150 Programming with Objects
- CEIS209 Intermediate Programming
- CEIS236 Database Systems and Programming Fundamentals
- CEIS312 Introduction to Artificial Intelligence and Machine Learning
- CIS355A Business Application Programming with Lab

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

CREDIT HOURS

ESSENTIALS
- 47

TECH CORE
- 21

PROGRAM
- 28

TOTAL CREDIT HOURS
- 96

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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), https://www.hlcommission.org. 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, https://tn.gov/thec. Nashville Campus: 301 S. Perimeter Park Dr., Ste. 100, Nashville, TN 37221. 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 https://www.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. ©2021 DeVry Educational Development Corp. All rights reserved. Version 5/24/21