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
- Database Administrator
- Computer System Analyst
- Information Systems Manager
- Data Analyst
- Cyber Security 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

SKILLS 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 Essentials+
- CompTIA Security+
- CompTIA Project+
- PCEP Certified Entry-Level Python Programmer

ACCELERATE ON YOUR SCHEDULE
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.
Bachelor's Degree Program | Tech - Software and Information Systems

Computer Information Systems

ESSENTIALS

COMMUNICATION SKILLS¹
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 Diversity, Equity and Inclusion in the Workplace

SOCIAL SCIENCES
ECON312 Principles of Economics
SOCIS185 Culture and Society

Select one
SOCIS255 Environmental Sociology
SOCIS350 Cultural Diversity in the Professions

MATHEMATICS AND NATURAL SCIENCES
MATH114 Algebra for College Students
TECH204 Everyday Physics
TECH221 Data-Driven Decision-Making

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

TECH CORE

Introduction to Technology and Information Systems
Introduction to Operating Systems
Introduction to Programming
Introduction to Digital Devices
Fundamentals of Information Technology and Networking
Introduction to Cloud Computing
Fundamentals of Information Security

PROGRAM

INFORMATION SYSTEMS AND PROGRAMMING
Programming with Objects
Intermediate Programming
Database Systems and Programming Fundamentals
AI-Driven Business Application Coding
Business Application Programming with Lab

CAREER PREPARATION

Introduction to Technical Project Management
Preparation for the Profession
Project Management
Senior Project

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

Demonstrate Skills at Every Step

BACHELOR'S

ASSOCIATE

CERTIFICATE

60 CREDIT HOURS

124 CREDIT HOURS

EMBEDDED PROGRAMS

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

1 The figures displayed represent the minimum credit hours required for graduation. Additional coursework may be necessary to complete program requirements. Future programmatic changes could impact the ability to earn additional credentials en route to an eligible degree program. Refer to the academic catalog for details.

In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by the Higher Learning Commission (HLC), www.hlcommission.org. The University's 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, www.tn.gov/thec. Lisle Campus: 4225 Naperville Rd., Ste. 400, Lisle, IL 60532. Unresolved complaints may be reported to the Illinois Board of Higher Education through the online complaint system https://complaints.ibhe.org/ or by mail to 1 N. Old State Capitol Plaza, Ste. 333, Springfield, IL 62701-1377. Program availability varies by location. In site-based programs, students will be required to take a substantial amount of coursework online to complete their program. ©2024 DeVry Educational Development Corp. All rights reserved. Version 5/13/2024

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