COMPUTER 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

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

UNDECIDED PATH

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

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

MINIMUM COMPLETION TIME*

2 years 8 months

OR

NORMAL COMPLETION TIME**

4 years

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**.

Or, follow a normal schedule and complete your program in 4 years.

*Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 12-19 credit hours a semester per 12-month period.
**Normal completion time includes breaks and assumes 2 semesters of enrollment in 12-19 credit hours per semester per 12-month-period.

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[1] Must declare a specialization by 30 credit hours for associate degree program and 60 credit hours for bachelor's degree program.

Computer Information Systems

ESSENTIALS
47 CREDIT HOURS

COMMUNICATION SKILLS[1]

ENGL112[2] 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
SOCS185 Culture and Society ⬡

Select one
SOCS325[3] Environmental Sociology
SOCS350 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

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 by this icon – highlight relevant topics to help empower you to promote an inclusive workplace.

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
NETW191 Fundamentals of Information Technology and Networking
NETW212 Introduction to Cloud Computing
SEC285 Fundamentals of Information Security

PROGRAM
28 CREDIT HOURS

INFORMATION SYSTEMS AND PROGRAMMING

CEIS150 Programming with Objects
CEIS209 Intermediate Programming
CEIS236 Database Systems and Programming Fundamentals
CIS313 AI-Driven Business Application Coding
CIS355A Business Application Programming with Lab

CAREER PREPARATION

CEIS298 Introduction to Technical Project Management
CEIS499 Preparation for the Profession
MGMT404 Project Management
TECH460 Senior Project

[1]14 for students enrolled at a New Jersey location
[2]Students enrolled at a New Jersey location take ENGL108 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).
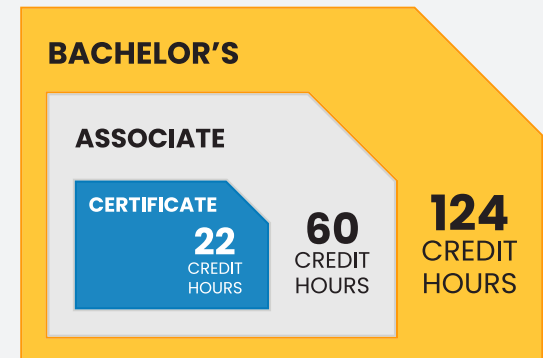
SPECIALIZED
28 CREDIT HOURS

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
22 CREDIT HOURS

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.[2] Allowing you the opportunity earn a certificate and an associate degree on the way to your bachelor's degree.

[2] 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·

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