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 the skills to write code, produce software programs and develop apps using industry-recognized programming languages.

IS THIS PROGRAM FOR YOU?
If you want to develop software applications and programs that businesses and consumers use every day, this may be the program for you.

CAREER OPPORTUNITIES
Graduates of DeVry’s Information Technology and Networking associate degree program with a specialization in Information Systems and Programming may consider, but are not limited to, the following careers:

- Applications Programmer Analyst
- Computer Network Support Specialist
- Computer Systems Analyst
- Data Warehouse Specialist
- Systems Programmer Analyst

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
- Apply knowledge of math and science principles through programming to solve well-defined technology problems
- Contribute to the design of systems, components and/or processes
- Conduct standard tests, measurements and experiments, and analyze and interpret results

SPECIALIZED
- Design and implement normalized databases using reports, forms and tables
- Develop applications with C#, .NET, Visual Studio and SQL
- Develop menu-driven programs that update, create and delete data from data stores

QUICK FACTS

60 CREDIT HOURS
minimum credit hours required for graduation

8% GROWTH
nationally from 2019–2029 for Employment of Computer Support Specialists

1 + 4 YEARS  MONT HES
minimum length to graduation

EVERY COURSE COUNTS
If you choose to continue on with your education at DeVry, all credits apply toward a Bachelor’s degree in Computer Information Systems or Software Development.

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

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 options highlight relevant topics to help empower you to promote an inclusive workplace.

2 Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devry.edu/online-programs.html.
3 For the Associate in Information Technology and Networking program with a specialization in Information Systems and Programming, every course counts towards the Bachelor’s in Computer Information Systems or the Bachelor’s in Software Development degrees. At the time of application to the next credential level, an evaluation of qualifying transfer credit will occur and the most beneficial outcome will be applied.
ESSENTIALS

COMMUNICATION SKILLS
ENGL112 Composition

Select one
SPCH275 Public Speaking
SPCH276 Intercultural Communication

HUMANITIES
Select one
ETHC232 Ethical and Legal Issues in the Professions
ETHC334 Diversity, Equity and Inclusion in the Workplace

SOCIAL SCIENCES
SOCS185 Culture and Society

MATHEMATICS AND NATURAL SCIENCES
MATH114 Algebra for College Students
PHYS204 Applied Physics with Lab

PERSONAL AND PROFESSIONAL DEVELOPMENT
CARD205 Career Development
COLL148 Critical Thinking and Problem-Solving

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 Systems Security

Program 1

CAREER PREPARATION
CEIS299 Careers and Technology

SPECIALIZED

INFORMATION SYSTEMS AND PROGRAMMING
CEIS150 Programming with Objects
CEIS209 Intermediate Programming
CEIS236 Database Systems and Programming Fundamentals

DEMONSTRATE SKILLS AT EVERY STEP

PROGRAM

CAREER PREPARATION
CEIS299 Careers and Technology

SPECIALIZED

INFORMATION SYSTEMS AND PROGRAMMING
CEIS150 Programming with Objects
CEIS209 Intermediate Programming
CEIS236 Database Systems and Programming Fundamentals

EMBEDDED PROGRAMS
Devry offers a unique 2-in-1 design that allows our Programming Essentials certificate to be embedded within the program. Giving you the chance to earn your certificate on the way to your associate degree.