ASSOCIATE DEGREE PROGRAM | TECH - SOFTWARE & INFORMATION SYSTEMS

INFORMATION TECHNOLOGY & NETWORKING
Specialization: Information Systems and Programming

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
• SQL Developer
• Systems Administrator

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 YEAR
minimum length to graduation

EVERY COURSE COUNTS
If you choose to continue on with your education, 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, 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.

1 https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm. Local growth will vary by location.
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 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.
Associate Degree Program
Information Technology & Networking | Information Systems and Programming

ESSENTIALS

COMMUNICATION SKILLS
ENGL112 Composition
SPCH275 Public Speaking

HUMANITIES
ETHC232 Ethical and Legal Issues in the Professions

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

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

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

ASSOCIATE

CERTIFICATE

22 CREDIT HOURS

60 CREDIT HOURS

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.

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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), 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, www.tn.gov/thec. Nashville Campus: 301 S. Perimeter Park Dr., Ste. 100, Nashville, TN 37211. 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 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 7/12/21