ASSOCIATE DEGREE PROGRAM | TECH - SOFTWARE AND 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

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

DEMONSTRATE SKILLS AT EVERY STEP
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 a certificate on the way to your associate degree.1

SKILLS FOCUSED CURRICULUM
Elements of our technology curriculum help prepare you to pursue certification opportunities that can validate your knowledge and skills.

- CompTIA A+
- CompTIA ITF+
- CompTIA Network+
- CompTIA Cloud Essentials+
- CompTIA Linux+

MINIMUM COMPLETION TIME
1 year
4 months

NORMAL COMPLETION TIME
2 years

ACCELERATE ON YOUR SCHEDULE
Choose the schedule that best fits your goals and commitments. You can earn your Associate Degree in as little as 1 years 4 months. Or, follow a normal schedule and complete your program in 2 years.

*Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 13-17 credit hours a semester per 12-month period.
**Normal completion time includes breaks and assumes 2 semesters of enrollment in 13-17 credit hours per semester per 12-month period.

1 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.
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
SOC185  Culture and Society

MATHEMATICS AND NATURAL SCIENCES
MATH114  Algebra for College Students
TECH204  Everyday Physics

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

TECH CORE

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<th>TECH CORE</th>
<th>CREDIT HOURS</th>
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<td>Introduction to Technology and Information Systems</td>
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<tr>
<td>CEIS106</td>
<td>Introduction to Operating Systems</td>
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<td>CEIS110</td>
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SPECIALIZED

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

PROGRAM

CAREER PREPARATION
CEIS298  Introduction to Technical Project Management

EARN A CREDENTIAL AT EVERY STEP

ASSOCIATE
60 COURSES

BACHELOR'S
120 COURSES

HOW DO CREDENTIALS STACK?
When you earn an Associate Degree in Information Technology and Networking with a specialization in Information Systems and Programming, eligible courses completed in the program apply to a Bachelor's Degree in Information Technology.**
Build your confidence – and your resume – when you start your journey at DeVry.

*The figures displayed represent the minimum credit hours required for graduation. Additional coursework may be necessary to complete program requirements.
**At the time of application to the next credential level, an evaluation of qualifying transfer credits will occur and the most beneficial outcome will be applied. Future programmatic changes could impact the application of credits to a future program. Refer to the academic catalog for details.

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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. 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. Unsolved 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