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 this specialization, you’ll learn network protocols including how to design and secure LAN, VLAN and WAN networks, and how to enable the interface, connection and security of multiple computing systems and software platforms.

IS THIS PROGRAM FOR YOU?
Are you interested in how organizations and businesses are networked, and exchange and secure information? Then you may be interested in this program studying network systems and administration.

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

- Computer Network Support Specialist
- Computer Systems Analyst
- Information Technology Specialist
- Local Area Network Administrator
- Network Technical 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
- Design solutions for technology-driven problems
- Contribute to the design of systems, components and/or processes
- Conduct standard tests, measurements and experiments, and analyze and interpret results

SPECIALIZED
- Use network protocols, such VoIP
- Design typical LAN, VLAN and WAN networks
- Configure, test and troubleshoot wireless routers and clients
- Identify and mitigate network risk

QUICK FACTS

60 CREDIT HOURS
minimum credit hours required for graduation

8% GROWTH
nationally from 2019–2029 for Employment of Computer Support Specialists1

1 + 4 YEARS
minimum length to graduation2

EVERY COURSE COUNTS
If you choose to continue on with your education at DeVry, all credits apply toward a Bachelor’s degree in Information Technology and Networking.3

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 Network Systems Administration, every course counts towards the Bachelor’s in Information Technology and Networking. 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 | Tech - Information Technology

### Information Technology & Networking | Network Systems Administration

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<tr>
<th>ESSENTIALS</th>
<th>26 CREDIT HOURS</th>
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<tbody>
<tr>
<td>COMMUNICATION SKILLS</td>
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<tr>
<td>ENGL112</td>
<td>Composition</td>
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<td>Select one</td>
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<tr>
<td>SPCH275</td>
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<table>
<thead>
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<th>TECH CORE</th>
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<tr>
<td>CEIS101</td>
<td>Introduction to Technology and Information Systems</td>
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<td>CEIS106</td>
<td>Introduction to Operating Systems</td>
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<td>CEIS110</td>
<td>Introduction to Programming</td>
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<tr>
<td>CEIS114</td>
<td>Introduction to Digital Devices</td>
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<td>NETW191</td>
<td>Fundamentals of Information Technology and Networking</td>
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<tr>
<td>NETW211</td>
<td>Fundamentals of Cloud Computing</td>
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<td>SEC285</td>
<td>Fundamentals of Information Systems Security</td>
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<tr>
<th>PROGRAM</th>
<th>1 CREDIT HOURS</th>
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<th>12 CREDIT HOURS</th>
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<tr>
<td>NETWORK SYSTEMS ADMINISTRATION</td>
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<tr>
<td>NETW260</td>
<td>Intermediate Information Technology and Networking I</td>
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<tr>
<td>NETW270</td>
<td>Intermediate Information Technology and Networking II</td>
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<tr>
<td>NET310</td>
<td>Wired, Optical and Wireless Communications with Lab</td>
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<tr>
<td>SEC290</td>
<td>Fundamentals of Infrastructure Security</td>
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**Demonstrate Skills at Every Step**

### ASSOCIATE CERTIFICATE

- **23 CREDIT HOURS**
- **60 CREDIT HOURS**

**EMBEDDED PROGRAMS**

DeVry offers a unique 2-in-1 design that allows our Networking 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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Visit DeVry.edu | Call 888.DeVry.04

In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), [https://www.norcomission.org](https://www.norcomission.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, [https://www.tn.gov/thec](https://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 [https://www.devry.edu/catalog](https://www.devry.edu/catalog), 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 8/26/2021