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

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

IoT KIT
You can simulate the Internet of Things (IoT) experience wherever you are. With our IoT Kit, you’ll get hands-on experience in how IoT technologies work in the real world. Your kit will include digital devices, sensors and cloud-based tools you will use to build relevant IoT 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/degree-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.
4 The IoT Kit is a required expense and is not complimentary.
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.

**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 Security

- TECH CORE
  - CEIS299  Careers and Technology

**PROGRAM**

- TECHNOLOGY CAREER PREPARATION
  - CEIS299  Careers and Technology

- SPECIALIZED
  - NETWORK SYSTEMS ADMINISTRATION
    - NETW250  Voice/VOIP Administration with Lab
    - NETW260  Intermediate Information Technology and Networking I
    - NETW270  Intermediate Information Technology and Networking II
    - SEC290  Fundamentals of Infrastructure Security

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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: 3343 Perimeter Hill Dr., 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. ©2020 DeVry Educational Development Corp. All rights reserved. Version 1/4/21