NETWORKING ESSENTIALS

ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU

Are you interested in how organizations and businesses are networked to exchange and secure information? Then you may be interested in this Networking Essentials certificate program.

A PROGRAM TO FUEL YOUR FUTURE

Prepare to develop an understanding of network systems and their application to practical business situations. 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 systems.

CAREER OPPORTUNITIES

Graduates of DeVry's Networking Essentials certificate program may consider, but are not limited to, the following careers:

Entry level opportunities in positions, such as:

- Computer Network Support Technician
- Local Area Network Administrator
- Network Systems Administrator
- Network Technician

QUICK FACTS

23
CREDIT HOURS
minimum credit hours required for graduation

8
COURSES

12
MONTHS
minimum length for graduation[1]

TECH CORE

ANCHORED IN TECH CORE

Prepare to be immersed in coursework designed to help you build interdisciplinary skills you'll need for today's Internet of Things (IoT) economy. Project work and activities allow you to develop relevant skills in:

- Connectivity
- Operating Systems

IoT KIT

PORTABLE IOT KIT

You can simulate the Internet of Things (IoT) experience wherever you are. With our portable IoT Kit[2], you'll get hands-on experience using digital devices, sensors and other tools to build relevant IoT systems.

INDUSTRY ALIGNED

INDUSTRY ALIGNED CURRICULUM

Experience curriculum aligned to real-world industry standards and prepare for certification opportunities that help validate your knowledge and skills.

- CompTIA Cloud+
- CompTIA Linux+
- CompTIA Network+
- CCNA

EVERY COURSE COUNTS

EVERY COURSE COUNTS

The Networking Essentials certificate can serve as a stepping stone to our Information Technology and Networking associate degree with a specialization in Network Systems Administration or Information Technology and Networking bachelor's degree. If you choose to continue on with your education, all credits apply to these credentials, saving you time and money.

DeVry University

Networking Essentials

PROGRAM OUTLINE

MATHEMATICS

MATH114   Algebra for College Students

TECH CORE

CEIS101C   Introduction to Technology and Information Systems
CEIS106   Introduction to Operating Systems
NETW191   Fundamentals of Information Technology and Networking
NETW211   Fundamentals of Cloud Computing

NETWORK SYSTEMS ADMINISTRATION

NETW260   Intermediate Information Technology and Networking I
NETW270   Intermediate Information Technology and Networking II

CAREER PREPARATION

CEIS299   Careers and Technology

WHAT YOU'LL LEARN

MATHEMATICS

- Analyze data
- Solve problems

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
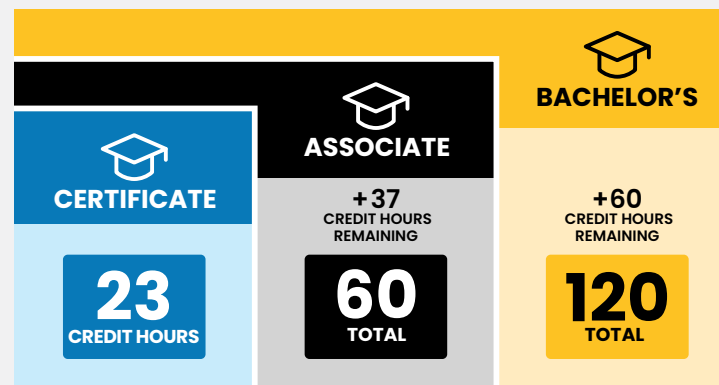- Install and configure operating systems using command-line interface (CLI)

NETWORK SYSTEMS ADMINISTRATION

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

CAREER PREPARATION

- Apply principles of technology in the building, testing, operation and maintenance of connected and distributed digital-based systems and networks

Earn a credential at every step.

CERTIFICATE
23 CREDIT HOURS

ASSOCIATE
+37 CREDIT HOURS REMAINING
60 TOTAL

BACHELOR'S
+60 CREDIT HOURS REMAINING
120 TOTAL

HOW DO CREDENTIALS STACK?

Here's an example: When you earn a Networking Essentials Undergraduate Certificate, all courses you complete in the program apply to your Associate Degree in Information Technology with a specialization in Network Systems Administration. When you complete the associate, all courses stack into our bachelor's in Information Technology and Networking with any specialization. Build your confidence – and your resume – when you start your journey at DeVry[1].

[1]The figures displayed represent the minimum credit hours required for graduation. 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.

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DeVry University