NETWORKING ESSENTIALS

ABOUT THIS PROGRAM

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
- Networking
- Operating Systems

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

$2,400

TECH ESSENTIALS GRANT

With the Tech Essentials Grant, DeVry University offers qualifying students a $2,400 grant toward the cost of your Networking Essentials Certificate program at the successful completion of your program.[1]

IoT PROJECTS

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.

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

MINIMUM COMPLETION TIME*

12 months

OR

NORMAL COMPLETION TIME**

1 year 4 months

ACCELERATE AT YOUR PACE

Choose the schedule that best fits your goals and commitments. You can earn your **Undergraduate Certificate** in as little as **12 months**.

Or, follow a normal schedule and complete your program in 1 year 4 months.

*Per 12-month period, assumes completion of 3 semesters, enrollment in 6-10 credit hours per semester and continuous, full-time year-round enrollment with no breaks.
**Per 12-month period, assumes completion of 2 semesters and full-time enrollment in 6-10 credit hours per semester.

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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

CEIS297	Technology Career Foundations

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)
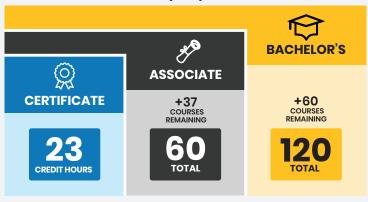
NETWORK SYSTEMS ADMINISTRATION

- 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
COURSES REMAINING

60
TOTAL

BACHELOR'S

+60
COURSES 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 Undergraduate Certificate 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[2].

[2] 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 credit 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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Networking Essentials

RECOMMENDED PLAN OF STUDY

DeVry's Networking Essentials Certificate program is designed to prepare you with the knowledge and skills needed to pursue up to 5 external industry-specific certifications* within 12 months, should you choose to seek professional certification or licensure exams. Our recommended course sequencing fosters the development of these skills early on and throughout the entire program.

SEMESTER 1

COURSE	CREDITS
CEIS101C	2
MATH114	4
TOTAL	**6**

8 WEEKS
2 MONTHS

COURSE	CREDITS
CEIS106	4
TOTAL	**4**

8 WEEKS
2 MONTHS

SEMESTER 2

COURSE	CREDITS
NETW191	3
TOTAL	**3**

8 WEEKS
2 MONTHS

COURSE	CREDITS
NETW211	3
TOTAL	**3**

8 WEEKS
2 MONTHS

SEMESTER 3

COURSE	CREDITS
NETW260	3
TOTAL	**3**

8 WEEKS
2 MONTHS

COURSE	CREDITS
CEIS297	1
NETW270	3
TOTAL	**4**

8 WEEKS
2 MONTHS

TOTAL:
23 CREDIT HOURS
3 SEMESTERS
12 MONTHS MINIMUM

0-4 MONTHS

ALIGNED CERTIFICATIONS
CompTIA IT Fundamentals| CompTIA Linux+

- Illustrate the basics of computing and explain the value of data and troubleshooting
- Investigate how to configure a network using the Linux operating system

5-8 MONTHS

ALIGNED CERTIFICATIONS
CompTIA Network+| CompTIA Cloud+

- Produce, secure, operate and troubleshoot a small enterprise networks
- Troubleshoot and secure cloud-based IT systems

9-12 MONTHS

ALIGNED CERTIFICATIONS
CCNA

- Use network protocols, such as VoIP
- Design typical LAN, VLAN and WAN networks
- Configure, test and troubleshoot wireless routers and clients
- Apply principles of technology in the building, testing, operation and maintenance of connected and distributed digital-based systems and networks

*Credits and degrees earned from DeVry do not automatically qualify the holder to participate in professional certification or licensure exams. DeVry does not pay or reimburse students enrolled in this program for the cost associated with these external certifications and does not guarantee students will successfully pass such exams.

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