

# CLOUD COMPUTING



## ABOUT THIS PROGRAM

### IS THIS PROGRAM FOR YOU?

If you are interested in developing the skills needed to provision, manage and secure cloud systems to meet an organization's business needs, this certificate may be the right fit for you.

### A PROGRAM TO FUEL YOUR FUTURE

Acquire fundamental skills needed to select, utilize and manage cloud technologies and services with this certificate program. You will also learn to build secure, reliable, and distributed applications across physical data centers and the cloud.

## CAREER OPPORTUNITIES

Graduates of DeVry's [Cloud Computing certificate program](#) may consider, but are not limited to, the following careers:

- Cloud Support Specialist
- Cloud Services Associate
- Computer Network Support Specialist
- Entry Level Network System Administrator
- Network Technician

## QUICK FACTS

**40**  
CREDIT HOURS  
minimum credit hours  
required for graduation

**14**  
COURSES

**1 + 4**  
YEAR MONTHS  
minimum length for graduation<sup>1</sup>

### 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
- Security
- Operating Systems
- Programming

### IoT KIT

#### IOT KIT

You can simulate the Internet of Things (IoT) experience wherever you are. With our IoT Kit<sup>2</sup>, 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.

### SKILLS FOCUSED

#### CERTIFICATION EXAM ALIGNED CURRICULUM

Experience elements of our technology curriculum focused on real-world industry standards and prepare for certification opportunities that help validate your knowledge and skills.

- Comp TIA IT Fundamentals
- Comp TIA Linux+
- Comp TIA Network+
- Comp TIA Cloud+
- Comp TIA Security+



#### EVERY COURSE COUNTS

Make the most of your Cloud Computing certificate by applying qualifying credits toward a bachelor's degree at DeVry. Credits from this certificate stack into DeVry's bachelor's degree in Information Technology and Networking with a specialization in Cloud Based Networking and Virtualization.

<sup>1</sup> Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://www.devry.edu/online-programs.html>.

<sup>2</sup> The IoT Kit is a required expense and is not complimentary.

# Cloud Computing

## PROGRAM OUTLINE

### MATHEMATICS

MATH114 Algebra for College Students

### TECH CORE

CEIS101C Introduction to Technology and Information Systems  
CEIS106 Introduction to Operating Systems  
CEIS110 Introduction to Programming  
NETW191 Fundamentals of Information Technology and Networking  
NETW211 Fundamentals of Cloud Computing  
SEC285 Fundamentals of Information Systems Security

### NETWORK SYSTEMS ADMINISTRATION

NETW310 Wired, Optical and Wireless Communications with Lab  
NETW320 Converged Networks with Lab

### CLOUD BASED VIRTUALIZATION

NETW404 Data Center Virtualization  
NETW414 Cloud Computing Architecture  
WEB375 Web Architecture with Lab

### CAREER PREPARATION

CEIS299 Careers and Technology  
CEIS499 Preparation for the Profession

## WHAT YOU'LL LEARN

### MATHEMATICS

- Solve complex problems
- Apply appropriate technologies

### TECH CORE

- Produce, secure, operate and troubleshoot small enterprise networks
- Install and configure operating systems using command-line interface (CLI)
- Solve technical problems using an algorithmic approach and basic programming and coding methods

### NETWORK SYSTEMS ADMINISTRATION

- Understand the operation, regulation and trends related to wired, optical and wireless technologies

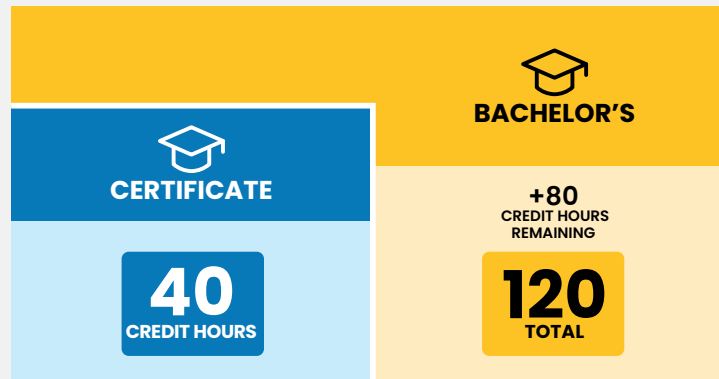
### CLOUD BASED VIRTUALIZATION

- Execute data center operations and virtualization configurations
- Deploy cloud environments and services
- Develop enterprise and cloud-based systems

### 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.



### HOW DO CREDENTIALS STACK?

The Cloud Computing certificate can serve as a steppingstone to our Information Technology and Networking bachelor's degree when you pursue the Cloud Based Networking and Virtualization specialization. If you choose to continue on with your education, all credits apply to this credential. Build your confidence—and your resume—when you start your journey at DeVry<sup>1</sup>.

<sup>1</sup>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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