

CLOUD COMPUTING



ABOUT THIS PROGRAM

TECH CORE

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.

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

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.

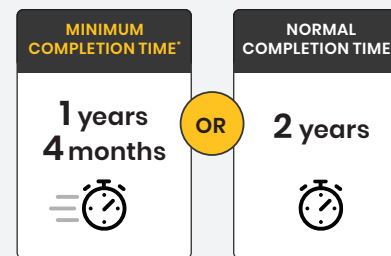
- Comp TIA IT Fundamentals
- Comp TIA Linux+
- Comp TIA Network+
- CompTIA Cloud Essentials+
- Comp TIA Security+

SKILLS FOCUSED

ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. You can earn your **Undergraduate Certificate** in as little as **1 years 4 months**.

Or, follow a normal schedule and complete your program in 2 years.



* Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 8-12 credit hours a semester per 12-month period.

** Normal completion time includes breaks and assumes 2 semesters of enrollment in 8-12 credit hours per semester per 12-month period.

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
NETW212 Introduction to Cloud Computing
SEC285 Fundamentals of Information Systems Security

CLOUD COMPUTING

NETW314 Cloud Computing
NETW404 Data Center Virtualization
SEC380 Cloud Computing Security

One of

NETW350 Cloud Services
NETW351 Cloud Architecture

One of

NETW450 Cloud Development
NETW451 Cloud Operations

CAREER PREPARATION

CEIS298 Introduction to Technical Project Management
CEIS499 Preparation for the Profession

WHAT YOU’LL LEARN

MATHEMATICS

- Solve complex problems
- Apply appropriate technologies

TECH CORE

- Illustrate the basics of computing and explain the value of data and troubleshooting
- Install and configure operating systems using Command Line Interface (CLI)
- Solve technical problems using an algorithmic approach and basic programming and coding methods
- Produce, secure, operate and troubleshoot a small enterprise network
- Explore the fundamentals of cloud-based systems
- Utilize security technology and tools to mitigate cybersecurity threats

NETWORK SYSTEMS ADMINISTRATION

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

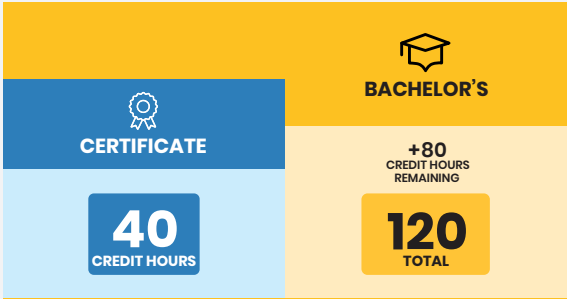
CLOUD BASED VIRTUALIZATION

- 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 DeVry¹.

¹ 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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