

INFORMATION TECHNOLOGY (IT) ESSENTIALS



ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?

If you are looking to earn IT essential knowledge and skills, receive the necessary prep to pursue popular IT certifications and quickly add a credential to your resume, this certificate may be a good fit for you.

A PROGRAM TO FUEL YOUR FUTURE

Prepare to learn the fundamental skills necessary to contribute in an entry-level IT role.

CAREER OPPORTUNITIES

Graduates of DeVry's Information Technology (IT) Essentials certificate program may consider, but are not limited to, the following careers:

Entry level opportunities in such positions as:

- Computer Network Support Specialist
- IT Help Desk Support
- Entry Level Network System Administrator
- Computer Systems Analyst

QUICK FACTS

23
CREDIT HOURS
minimum credit hours
required for graduation

8
COURSES

8
MONTHS
minimum length
for graduation¹

9%
GROWTH
nationally from 2020–2030
for employment of Computer
Support Specialists²

\$2,400

TECH ESSENTIALS GRANT

With the Tech Essentials Grant, DeVry University offers qualifying students a \$2,400 grant toward the cost of your IT Essentials Certificate program at the completion of your program.³

**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:

- Programming
- Hardware
- Connectivity
- Operating 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.

- CompTIA A+
- CompTIA Linux+
- CompTIA Cloud +
- CompTIA Network+
- PCEP – Certified Entry-Level Python Programmer

**EVERY
COURSE
COUNTS**

EVERY COURSE COUNTS

The IT Essentials certificate can be a stepping stone to our Associate in Information Technology and Networking or our Associate in Engineering Technology. If you choose to continue on with your education, all credits apply to those associate degree programs.

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

² <https://www.bls.gov/ooh/computer-and-information-technology/computer-support-specialists.htm>. Growth projected on a national level. Local growth will vary by location.

³The Tech Essentials Grant will be awarded upon completion of the IT Essentials Certificate program. The grant will be applied to your student account.

If a credit is generated, funds may be sent to you unless you have borrowed loans as funding would then be returned to your lender.

Information Technology (IT) Essentials

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

CEIS114 Introduction Digital Devices

NETW191 Fundamentals of Information Technology & Networking

NETW211 Fundamentals of Cloud Computing

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)

CAREER PREPARATION

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

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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), <https://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, <https://www.tn.gov/thecc>. Nashville Campus: 301 S. Perimeter Park Dr., Ste. 100, 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 <https://www.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. ©2021 DeVry Educational Development Corp. All rights reserved. Version 12/14/2021