ABOUT THIS PROGRAM

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

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

$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 successful completion of your program.¹

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 Essentials+
- CompTIA Network+
- PCEP – Certified Entry-Level Python Programmer

ACCELERATE ON YOUR SCHEDULE
Choose the schedule that best fits your goals and commitments. You can earn your Undergraduate Certificate in as little as 8 months.

8 months
1 year
OR
2 months

¹ The 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.
**WHAT YOU’LL LEARN**

**MATHEMATICS**
- Analyze data
- Solve problems

**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
- Network, secure, and deploy digital devices and sensors into the IoT of things ecosystem
- Produce, secure, operate and troubleshoot small enterprise networks
- Troubleshoot and secure cloud-based IT systems
- Explore the fundamentals of cloud-based systems
- Utilize security technology and tools to mitigate cybersecurity threats

**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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### 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
- NETW212 Introduction to Cloud Computing

**CAREER PREPARATION**
- CEIS297 Technology Career Foundations

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**HOW DO CREDENTIALS STACK?**

**Here’s an example:** When you earn a Information Technology (IT) Essentials Undergraduate Certificate, eligible courses in the program apply to your Associate Degree in Information Technology, Associate in Engineering Technology or Associate in Cybersecurity and Networking. When you complete the associate, eligible courses apply to a relevant bachelor’s degree program in that field of study. Build your confidence – and your resume – when you start your journey at DeVry.

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**Earn a credential at every step.**

**CERTIFICATE**
- 23 CREDIT HOURS

**ASSOCIATE**
- 60–62 TOTAL

**BACHELOR’S**
- 120–124 TOTAL

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2The figures displayed represent the minimum credit hours required for graduation. Additional coursework may be necessary to complete program requirements. 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.
**RECOMMENDED PLAN OF STUDY**

DeVry’s IT Essentials Certificate program is designed to prepare you with the knowledge and skills needed to pursue up to 5 external industry-specific certifications* within 8 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

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**8 WEEKS**

**2 MONTHS**

### SEMESTER 2

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**8 WEEKS**

**2 MONTHS**

### 0–4 MONTHS

**ALIGNED CERTIFICATIONS**

- CompTIA IT Fundamentals
- CompTIA Linux+
- Certified Entry Level Python Programmer

- Illustrate the basics of computing and explain the value of data and troubleshooting
- Investigate how to configure a network using the Linux operating system
- Use Python programming to build apps and application frameworks

### 5–8 MONTHS

**ALIGNED CERTIFICATIONS**

- CompTIA Network+
- CompTIA Cloud Essentials+

- Network, secure, and deploy digital devices and sensors into the internet of things ecosystem
- Produce, secure, operate and troubleshoot a small enterprise networks
- Troubleshoot and secure cloud-based IT systems

*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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In New York, DeVry University operates as DeVry College of New York. DeVry University is accredited by The Higher Learning Commission (HLC), [www.hlcommission.org](http://www.hlcommission.org). The University’s 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, [www.chec.tn.gov](http://www.chec.tn.gov). Lisle Campus: 4225 Naperville Rd., Ste. 400, Lisle, IL 60532. Unsolved complaints may be reported to the Illinois Board of Higher Education through the online complaint system [https://complaints.illinois.edu/](https://complaints.illinois.edu/), or by mail to 1 N. Old State Capitol Plaza, Ste. 335, Springfield, IL 62701-1377. Program availability varies by location. In site-based programs, students will be required to take a substantial amount of coursework online to complete their program. ©2024 DeVry Educational Development Corp. All rights reserved. Version 5/13/2024