UNDERGRADUATE CERTIFICATE | TECH

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 Helpdesk Support
• Entry Level Network System Administrator
• Computer Systems Analyst

QUICK FACTS

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<tr>
<th>23</th>
<th>8</th>
<th>8</th>
<th>10%</th>
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<tr>
<td>CREDIT HOURS</td>
<td>COURSES</td>
<td>MONTHS</td>
<td>GROWTH</td>
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<td>minimum credit hours required for graduation</td>
<td>minimum length for graduation</td>
<td>nationally from 2018-2028 for employment of Computer Support Specialists</td>
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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

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. With our portable IoT Kit, you’ll get hands-on experience using digital devices, sensors and other tools to build relevant IoT systems. Project work and activities allow you to develop relevant skills in:
• Programming
• Hardware
• Connectivity
• Operating Systems

INDUSTRY ALIGNED CURRICULUM
Experience curriculum aligned to real-world industry standards and prepare for certification opportunities that help validate your knowledge and skills.

• CompTIA A+
• CompTIA Linux+
• CompTIA Network+
• Microsoft Technology Associate – Python
• CompTIA Cloud +

EVERY COURSE COUNTS
The IT Essentials certificate can be a stepping stone to the Associate in Information Technology and Networking. If you choose to continue on with your education, all credits apply to this associate degree, saving you time and money.

¹ Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devry.edu/degree-programs.html.
³ 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.
## 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