

# ADDING TO YOUR PROFESSIONAL GROWTH WITH A TECH-FOCUSED CERTIFICATE



If you're considering advancing your education to pursue new roles at work, you might want to think about the field of technology, an exciting career area within a range of industries from manufacturing to healthcare. But how could you get started growing your skills and knowledge in a new discipline like cloud computing or cyber security?

Education is one path that can help you add to your professional growth as you plan your steps to your future. At DeVry University, technology education is part of our DNA.

"For those looking to pursue a career in technology, DeVry's certificate programs offer multiple pathways to prepare you," says Shantanu Bose, DeVry University Provost and Chief Academic Officer. "We want to help students advance their education at their own pace and make education more affordable, which is why we offer the option to stack credits from these certificates into a qualifying associate or bachelor's degree program here at DeVry."

**Read on to explore the latest tech-focused undergraduate certificate programs from DeVry University—all available 100% online, and there's no previous IT experience required.**

## INFORMATION TECHNOLOGY (IT) ESSENTIALS

Get hands-on IT experience. Explore foundational concepts across the broad field of IT and interdisciplinary skills that can be applied to engineering technology, software information systems or IT pathways.

- Build entry-level skills in networking and programming, and **complete this certificate program online in as few as 8 months.\*\***

## PROGRAMMING ESSENTIALS

If you want to develop software applications and programs that businesses and consumers use every day, an Undergraduate Certificate in Programming Essentials may be the program for you.

- Gain exposure to essential coding concepts and create applications using industry-recognized programming languages like Python and C++
- Prepare to pursue IT certification exams such as CompTIA Linux+ and Microsoft Technical Associate – Python
- Build entry-level coding, programming and computing skills, and **complete this certificate program online in as few as 10 months.\*\***

## NETWORKING ESSENTIALS

Ever wonder how organizations and businesses are networked and how they exchange secured information? Consider pursuing an Undergraduate Certificate in Networking Essentials.

- Learn network protocols including how to design and secure LAN, VLAN and WAN networks
- Work with DeVry's Internet of Things (IoT) Kit, designed to give you hands-on experience with cloud-based tools.\*
- Build an understanding of network systems applications, and **complete this certificate program online in as few as 12 months.\*\***

## CYBER SECURITY

If you're interested in protecting your employer's business from data breaches as you design strategies for securing sensitive information, an Undergraduate Certificate in Cyber Security could be right for you.

- Gain exposure to approaches used to guard corporate infrastructures and brands against cyber crime
- Develop critical skills needed to defend the data of organizations and government agencies, and **complete this certificate program online in as few as 16 months.\*\***

## SOFTWARE DESIGN AND SOLUTIONS

Want to build skills in programming, database concepts and the implementation of design strategies? Earning an Undergraduate Certificate in Software Design and Solutions could be a great choice for you.

- Learn coding, programming, application development and product development
- Prepare to pursue certification opportunities including CompTIA IT Fundamentals, CompTIA Linux+ and Microsoft Technical Associate – Python
- Develop intermediate programming skills and foundational analytics skills as you **complete this certificate program online in as few as 16 months.\*\***

### INTERNET OF THINGS (IOT)

If you're interested in working with technology that integrates the internet with products and processes, from smart home devices to automated machine data collection, consider the Internet of Things (IoT) Undergraduate Certificate Program.

- Learn methods to network, secure and deploy digital devices and sensors into the IoT ecosystem
- Prepare to pursue certification opportunities including CompTIA Network+, CompTIA Cloud+ and CompTIA Security+
- Develop skills to help you Integrate industrial and enterprise ventures with IoT infrastructure as you **complete this certificate program online in as few as 16 months.\***

### DATA MINING AND ANALYTICS

Interested in numbers? If you'd like to dig deep into data models and discover new insights, you might consider an Undergraduate Certificate Program in Data Mining and Analytics.

- Explore methods used for data acquisition, data mining and analysis, and machine learning
- Prepare to pursue IT certification exams such as CompTIA IT Fundamentals, CompTIA Linux+ and Microsoft Technical Associate – Python
- Gain the analytical skills needed to help your organization manage data systems, and **complete this certificate program online in as few as 16 months.\*\***

### CLOUD COMPUTING

If you'd like to help your company mitigate resources to the cloud in an effort to streamline operations and remain agile, consider the Undergraduate Certificate Program in Cloud Computing.

- Gain skills to help implement cloud-based technology at your organization, including data center needs and internet security issues
- Develop knowledge you can apply to projects focused on design, deployment and management of cloud solutions as you **complete this certificate program online in as few as 16 months.\***

### WEB AND MOBILE APPLICATION DEVELOPMENT

Wonder what it would be like to design web and mobile applications of the future? The Undergraduate Certificate Program in Web and Mobile Application Development could be a good choice for you.

- Develop skills that can be applied to social media, mobile app development, communications or web design.
- Gain knowledge needed across a range of development challenges, and **complete this certificate program online in as few as 16 months.\*\***

### THINKING ABOUT DEVELOPING TECH-FOCUSED SKILLS THROUGH EDUCATION OPTIONS?

Ask your employer about available education benefits today, or [click here to explore these programs and more](#).

**Want to have access to education benefits in support of your professional and life goals? To learn about transferring credits, tuition rate savings and more, contact your benefits manager or HR department for more details.**

\*The IoT Kit is a required expense and is not complimentary.

\*\*Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at <https://partner.devry.edu/learn/degree-programs.html>

**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). 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.tn.gov/thec](http://www.tn.gov/thec). Nashville Campus: 3343 Perimeter Hill Dr., Nashville, TN 37211. Unresolved complaints may be reported to the Illinois Board of Higher Education through the online complaint system <http://complaints.ibhe.org/> or by mail to 1 N. Old State Capitol Plaza, Ste. 333, 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. ©2021 DeVry Educational Development Corp. All rights reserved. 3/21