UNDERGRADUATE CERTIFICATE | TECH

WEB AND MOBILE APPLICATION DEVELOPMENT

ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?

Are you interested in learning about web application programming and how user interfaces work? Web and mobile applications are in virtually every part of our lives. Explore these interactive applications in this certificate program and learn to create code for web and mobile applications, apply design principles and develop websites.

A PROGRAM TO FUEL YOUR FUTURE

Learn the skills needed to code front- and back-end web and mobile applications using industry recognized standards like HTML and CSS, and programming languages like JavaScript and Python as well as basic graphic and design principles of web media.

CAREER OPPORTUNITIES

Graduates of DeVry's <u>Web and Mobile Applications certificate program</u> may consider, but are not limited to, entry level opportunities in positions, such as:

- Software Applications Developer
- Web Developer
- Mobile App Developer



43 CREDIT HOURS minimum credit hours required for graduation 13 COURSES 1 + 4 YEAR MONTHS minimum length for graduation¹

TECH CORE

ANCHORED IN TECH CORE Prepare to be immersed in cours

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:

Digital Devices
 Coding
 Operating Systems



SKILLS

FOCUSED

WORK WITH IOT TECHNOLOGIES & SYSTEMS

Immerse yourself in the Internet of Things (IoT) world and obtain hands-on experience with IoT, cloud, software and security technologies and systems.

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



Make the most of your Web and Mobile Application Development Certificate from DeVry by applying qualifying credits toward a bachelor's degree at DeVry. Credits from this certificate stack into DeVry's Bachelor's Degree in Software Development with a specialization in Web and Mobile Application Development.



DeVry University



Undergraduate Certificate | Tech

Web and Mobile Application Development

PROGRAM COURSES

MATHEMATICS

MATH 114 Algebra for College Students

TECH CORE

CEIS101C	Introduction to Technology and Information Systems
CEIS106	Introduction to Operating Systems
CEIS110	Introduction to Programming

INFORMATION SYSTEMS AND PROGRAMMING

CEIS150	Programming with Objects
CEIS209	Intermediate Programming
CEIS236	Database Systems and Programming Fundamentals

APPLICATION DEVELOPMENT

CIS355A Business Application Programming with Lab

WEB AND MOBILE APPLICATION DEVELOPMENT

CEIS320	Introduction to Mobile Device Programming
CIS363B	Web Interface Design with Lab
CIS407A	Web Application Development with Lab

CAREER PREPARATION

CARD205	Career Development
CEIS299	Careers and Technology

WHAT YOU'LL LEARN

ESSENTIALS

- Solve complex problems
- Analyze numerical data

TECH CORE

- Network, secure and deploy digital devices and sensors in the IoT ecosystem
- Script and write components of an application or program
- Install and configure operating systems using Command Line Interface (CLI)

PROGRAM

- Program and manage large data systems
- Solve technical problems using an algorithmic approach and basic programming and coding methods

SPECIALIZED

- Design web-based applications
- Program and secure mobile devices
- Design mobile device applications

Earn a credential at every step.



HOW DO CREDENTIALS STACK?

The Web and Mobile Application Development certificate can serve as a steppingstone to our Software Development bachelor's degree when you specialize in Web and Mobile Application Development. If you choose to continue on with your education, all credits apply to your bachelor's degree. Build your confidence – and your resume – when you start your journey at DeVry¹.

¹The figures displayed represent the minimum credit hours required for graduation. 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.

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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 2202. DeVry University is authorized for operation as a postsecondary educational institution by the <u>Tennessee Higher Education Commission</u>, https://www.tng.wythtce. Nashville Campus: 3015. 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 native devine. DeVry's academic catalog, available via <u>https://www.devry.edu/catalogs</u>, containes 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 8/21/2021

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