

# 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 Web and Mobile Applications certificate program may consider, but are not limited to, entry level opportunities in positions, such as:

- Software Applications Developer
- Web Developer
- Mobile App Developer

## QUICK FACTS

**43**  
CREDIT HOURS  
minimum credit hours  
required for graduation

**13**  
COURSES

**1 + 4**  
YEAR MONTHS  
minimum length for graduation<sup>1</sup>

### 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:

- Digital Devices
- Coding
- Operating Systems

### IoT PROJECTS

#### 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.

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

### EVERY COURSE COUNTS

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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.

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

# 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)

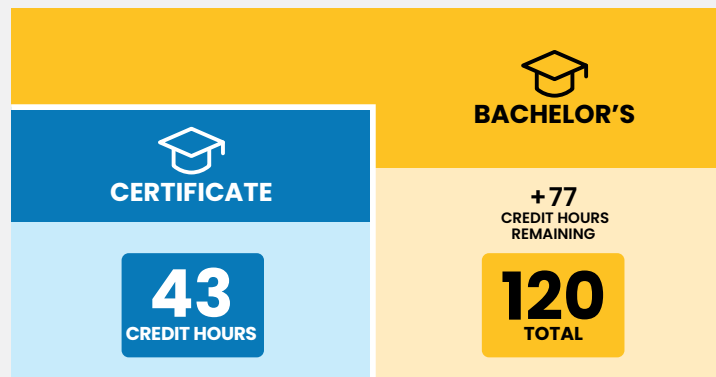
### PROGRAM

- 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.



<sup>1</sup>The 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.

### 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 DeVry<sup>1</sup>.

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