

WEB AND MOBILE APPLICATION DEVELOPMENT



ABOUT THIS PROGRAM

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

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



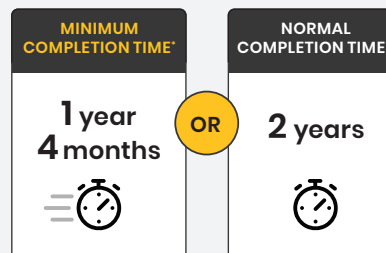
WORK WITH IOT TECHNOLOGIES & SYSTEMS

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



ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. You can earn your **Undergraduate Certificate** in as little as **1 year 4 months**.

Or, follow a normal schedule and complete your program in 2 years.

*Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 8-13 credit hours a semester per 12-month period.

**Normal completion time includes breaks and assumes 2 semesters of enrollment in 8-13 credit hours per semester per 12-month period.

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

CEIS298 Introduction to Technical Project Management

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)

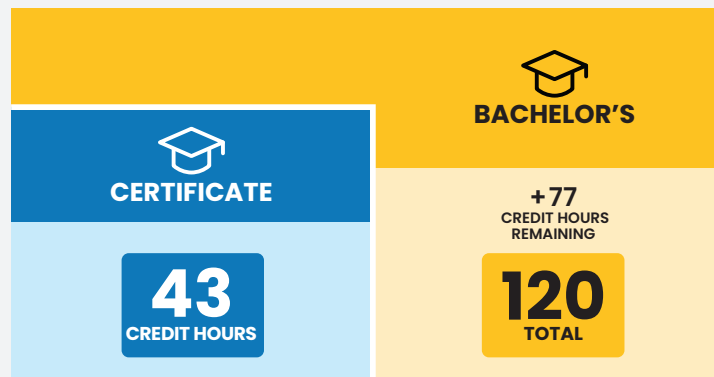
PROGRAM

- 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.



¹The figures displayed represent the minimum credit hours required for graduation. Additional coursework may be necessary to complete program requirements. 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. Future programmatic changes could impact the application of credits to a future program. Refer to the academic catalog for details.

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.

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