

SOFTWARE DEVELOPMENT

Specialization: Web and Mobile Application Development



ABOUT THIS DEGREE PROGRAM

TECH CORE

A FOUNDATION IN TECHNOLOGY

This program is anchored with Tech Core, curriculum designed to help you build a foundation of interdisciplinary skills you'll need for today's Internet of Things (IoT) economy. You'll learn relevant skills in operating systems, programming, hardware, connectivity and security – giving you a hands-on foundation in engineering technology, information technology and software and information systems.

A PROGRAM TO FUEL YOUR FUTURE

Develop your skills and techniques for producing effective websites, website navigational models and responsive website content. You'll also learn about developing software, from consumer apps to mobile enterprise solutions, in addition to how cross platform operating systems can be addressed and how wearables, IoT and smart devices can be incorporated into applications.

IS THIS PROGRAM FOR YOU?

Do you want to be part of creating online and mobile device user experiences? If so, this program may be a good fit for you.

CAREER OPPORTUNITIES

Graduates of DeVry's Software Development degree program with a specialization in Web and Mobile Application Development may consider, but are not limited to, the following careers:

- Software Developer - Web Portals & e-Commerce Applications
- Mobile Device Software Developer
- Software Application Developer
- Software Systems Developer
- Web Program Analyst

WHAT YOU'LL LEARN

ESSENTIALS

- Communicate methods and findings
- Collaborate in dynamic work environments
- Solve complex problems
- Analyze numerical data
- Apply appropriate technologies

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)

PROGRAM

- Design web distributed systems
- Develop applications
- Analyze and design software systems
- Product life cycle management

SPECIALIZED

- Design web-based applications
- Develop responsive multiplatform applications
- Utilize software engineering practices in web application development
- Design mobile device applications

QUICK FACTS

120
CREDIT HOURS
minimum credit hours
required for graduation

25%
GROWTH
nationally from 2022-2032 for
Employment of Software Developers,
Quality Assurance Analysts and Testers¹

SKILLS FOCUSED

SKILL FOCUSED CURRICULUM

Elements of our technology curriculum help prepare you to pursue certification opportunities that can validate your knowledge and skills.

- CompTIA Cloud Essentials+
- CompTIA Network+
- CompTIA Security+
- CompTIA Linux+
- CompTIA Project+

UP TO
\$300

CERTIFICATION EXAM REIMBURSEMENT

We reimburse qualified students up to \$300 for the cost of one industry certification exam attempt across a wide range of fields.



ACCELERATE ON YOUR SCHEDULE

Choose the schedule that best fits your goals and commitments. You can earn your **Bachelor's Degree** in as little as **2 years 8 months**.

Or, follow a normal schedule and complete your program in 4 years.

* Minimum completion time does not include breaks and assumes 3 semesters of year-round, full-time enrollment in 12-18 credit hours a semester per 12-month period.

** Normal completion time includes breaks and assumes 2 semesters of enrollment in 12-18 credit hours per semester per 12-month period.

¹ <https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm>. Growth projected on a national level. Local growth may vary. BLS projections are not specific to DeVry University students or graduates and may include earners at all stages of their career and not just entry level.

ESSENTIALS

51
CREDIT HOURS

COMMUNICATION SKILLS

- ENGL112 Composition
- ENGL135 Advanced Composition
- ENGL216 Technical Writing
- SPCH275 Public Speaking

HUMANITIES

- ETHC232 Ethical and Legal Issues in the Professions
- LAS432 Technology, Society, and Culture

SOCIAL SCIENCES

- ECON312 Principles of Economics
- SOC3185 Culture and Society
- SOC3325 Environmental Sociology

MATHEMATICS AND NATURAL SCIENCES

- MATH114 Algebra for College Students
- MATH234 Discrete Math in Information Technology
- TECH204 Everyday Physics
- TECH221 Data-Driven Decision -Making

PERSONAL AND PROFESSIONAL DEVELOPMENT

- CARD405 Career Development
- COLL148 Critical Thinking and Problem-Solving

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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), www.hlcommission.org. The University's 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. Lisle Campus: 4225 Naperville Rd., Ste. 400, Lisle, IL 60532. Unresolved complaints may be reported to the Illinois Board of Higher Education through the online complaint system <https://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. ©2025 DeVry Educational Development Corp. All rights reserved. Version 3/2025

TECH CORE

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CREDIT HOURS

TECH CORE

- CEIS101 Introduction to Technology and Information Systems
- CEIS106 Introduction to Operating Systems
- CEIS110 Introduction to Programming
- CEIS114 Introduction to Digital Devices
- NETW191 Fundamentals of Information Technology and Networking
- NETW212 Introduction to Cloud Computing
- SEC285 Fundamentals of Information Security

PROGRAM

37
CREDIT HOURS

INFORMATION SYSTEMS AND PROGRAMMING

- CEIS150 Programming with Objects
- CEIS209 Intermediate Programming
- CEIS236 Database Systems and Programming Fundamentals
- CIS355A Business Application Programming with Lab

ANALYSIS AND DESIGN

- BIAM110 Introduction to Business Analytics
- CIS313 AI-Driven Business Application Coding
- TECH408 Applied AI for Management and Technology

CAREER PREPARATION

- CEIS298 Introduction to Technical Project Management
- CEIS499 Preparation for the Profession
- MGMT404 Project Management
- TECH460 Senior Project

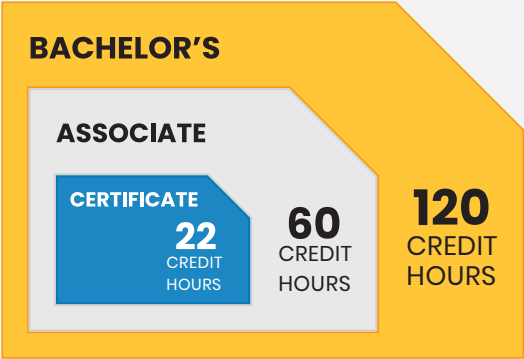
SPECIALIZED

11
CREDIT HOURS

WEB AND MOBILE APPLICATION DEVELOPMENT

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

Demonstrate Skills at Every Step



EMBEDDED PROGRAMS

Want to know how to earn two additional credentials with our unique 3-in-1 design? All courses in our Programming Essentials certificate and Information Technology and Networking associate degree are ingrained within this program.² So you can earn a certificate and an associate degree on the way to your online Mobile App Development bachelor's degree.

² Future programmatic changes could impact the ability to earn additional credentials en route to an eligible degree program. Refer to the academic catalog for details. The figures displayed represent the minimum credit hours required for graduation. Additional coursework may be necessary to complete program requirements.