

Software & Web Developer Diploma

Become a full-stack developer — build real applications with Python, JavaScript, databases, modern frameworks and mobile apps.

Diploma

12 Courses

960 hours

100% Online

PROGRAM OVERVIEW

The Software & Web Developer Diploma takes you from programming fundamentals to building and deploying complete web and mobile applications.

Every course is project-based — you will build real apps (games, interactive web pages, data apps and a hosted final project) using Python, JavaScript, SQL, modern frameworks and agile practices, graduating with a portfolio that demonstrates your skills to employers.

WHAT YOU WILL LEARN

- Write clean code in Python and JavaScript
- Work with arrays, objects, classes and data structures
- Build interactive web pages and understand web protocols
- Design and query databases with SQL
- Apply Agile development and the SDLC
- Develop mobile apps
- Build with modern JavaScript frameworks
- Ship a complete, hosted final project for your portfolio

CURRICULUM

Foundations

CS101	Foundations of Computing for Developers	50 h
CS102	Programming Logic with Python and JavaScript	75 h
CS103	Arrays, Lists, Objects and Classes	80 h
CS104	Web Networking and Protocols	75 h
CS105	Management Systems	90 h
CS106	Python	90 h

Advanced Development

CS201	Database Development & SQL	80 h
CS202	Agile Development & the SDLC	80 h
CS203	Application Development with Data	90 h
CS204	Mobile App Development	80 h

CS205	Modern JavaScript Frameworks	80 h
CS206	Final Project	90 h

CAREER PATHS

- Junior Software Developer
- Web Developer
- Front-End Developer
- Back-End Developer
- Mobile App Developer
- Junior Full-Stack Developer