



Web Application Development

Department: Business and Information Technology

Degree: Associate of Applied Science (A.A.S.)

Entry time: Fall, Spring, Summer

Length: 2 years (5 semesters)

Program Description

Web Application Development is the process of creating applications that operate over the Internet from a central server to the user's device. Kirkwood's program equips students with the skills needed for this field through a blend of theory and hands-on lab experiences that emulate real-world scenarios. Students learn to design, develop, and deploy user-centric web applications with a focus on both front-end and back-end technologies. Upon completion, graduates possess a comprehensive skill set that prepares them to enter and impact the industry immediately. The program emphasizes the development of secure, robust, and responsive web applications, which are critical in today's digital-first business environment. As web presence becomes increasingly vital, Kirkwood graduates are poised to meet the growing demand for skilled web developers.

Career Opportunities

Web Developer
Front-End Developer
Back-End Developer
Full-Stack Developer
UI/UX Designer
Web Application Developer
Content Management System (CMS) Developer

Sample Classes

Fundamentals of Web Programming
Java 1
Web Application Development
Relational Databases and SQL
Front-End Development
Data Structures
Programming Capstone Project

Program Attributes

- A strong emphasis on both client-side and server-side application development.
- The program utilizes industry-standard and open-source software.
- State-of-the-art laboratories provide students with practical, hands-on learning experiences.
- The curriculum is carefully crafted to meet the specific demands of the web application development industry.
- Students can engage in internships and honors projects facilitated by the program.
- Upon graduation, individuals possess the competencies required to excel in the competitive web application development job market.

Certificate Options

Customize your degree and boost your resume with Kirkwood's certificate options. Students can specialize in:

Web Development
Web Design
Java Programming
.NET Programming

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