



# SOFTWARE ENGINEERING & WEB DEVELOPMENT

The Software Engineering & Web Development program is designed for students interested in software engineering, web development, and database administration. Students in this program are active in Business Professionals of America and have consistently placed at the top of their competitive field in national competitions. This program prepares students for post-secondary education and the information technology workforce.

## Curriculum:

- ASP.NET Core fundamentals
- Database Design, Implementation and Management using Microsoft® SQL Server
- Internet Computing and Network Fundamentals
- Programming logic and design
- Structured Query Language [SQL]
- Systems Analysis and Design with emphasis on Agile methodologies
- Web Development using HTML5, CSS3 and JavaScript

## Certifications:

- Adobe Certified Associate [ACA]
- CPR / First Aid
- Information Technology Specialist [ITS]
- Internet and Computing Core [IC3]
- Microsoft® Office Specialist [MOS]



*Students have the opportunity to earn industry credentials and college credits.*

## Opportunities:

- Database Developer/Administrator
- IT Project Coordinator/Analyst
- IT Support Specialist
- Software Developer/Engineer
- Systems Analyst/Designer
- Web Developer/Designer

This program is part of MCCC's IT Academy, which is the integration of three career-technical majors including Software Engineering & Web Development, Business & Marketing Technology and Cybersecurity & Digital Forensics.



Visit [mcjvs.edu](http://mcjvs.edu) for more information about our Software Engineering & Web Development program.

