SOFTWARE ENGINEERING

The Software Engineering program is built for students who love creating with technology - whether that's coding programs, designing websites, analyzing real-world data, building databases, or exploring the foundations of artificial intelligence. Students in this program are active members of Business Professionals of America (BPA), regularly earning top placements at both state and national competitions. By the end of the program, students are well-prepared for college pathways and careers in software engineering, web development, IT, and data analytics.

Curriculum:

- Artificial Intelligence Applications and Machine Learning
- Computer Programming Logic
- Data Analytics and Visualization
- Database Design and SQL
- Software Development Lifecycle
- Web Development (HTML/CSS)

Certifications:

- Information Technology Specialist: Artificial Intelligence, Data Analytics, HTML and CSS, JavaScript, Python
- Internet and Computing Core (IC3)
- Microsoft Office® Specialist (MOS)
- CPR/First Aid

Opportunities:

- Data Analyst/Report Specialist
- Database Administrator/Developer
- IT Entrepreneur/Startup Owner
- IT Systems Consultant/Specialist
- Software Developer/Engineer
- Web Designer/Developer

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

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 for more information about our Software Engineering program.

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