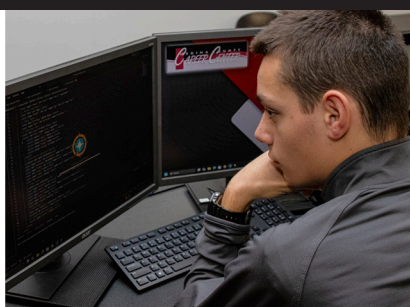
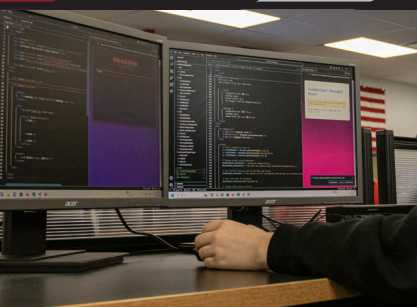


SOFTWARE ENGINEERING



The Software Engineering program is built for students who love creating with technology — from coding software and designing websites to building intelligent systems, programming robotics and autonomous devices, developing VR experiences, and analyzing real-world data. Students gain hands-on experience with modern software, automation, and emerging technologies while preparing for careers in software engineering, IT, and interactive media.

Curriculum:

- Artificial Intelligence and Data Analytics
- Database and Web Development
- Digital Fabrication and PCB Design
- Robotics, Embedded Systems and Automation
- Software Development and Programming
- VR, Simulation and Interactive Media

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 or Database Developer
- Embedded Systems/IoT Developer
- IT Systems or Automation Specialist
- Software and Web Developer
- Technical Entrepreneur
- VR/Simulation Developer

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



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



Visit mcjvs.edu for more information about our **Software Engineering program.**

INFORMATION TECHNOLOGY ACADEMY