

Software Engineering & Web Development

Career Roadmap

MCCC Career Major

Academics¹

Web Design & Development
Programming & Software Development
Systems Analysis & Design
Database Design & Development
Information Technology

College Credit

Students have the opportunity to earn college credit in this program.

Goals

Earn High School Diploma²
Earn Industry Certifications

MCCC Industry Certifications*

Internet Computing Core Certifications [IC3]
Microsoft Office Specialist [MOS]
Microsoft Technology Associate [MTA]
Adobe Certified Associate [ACA]
CPR and First Aid

Job Placement | Internships

Software Engineer, Web Developer,
Programmer, Mobile Application
Developer, Business / Systems Analyst,
Quality Assurance Analyst, Technical
Support Specialist

Technical Careers

Associate Degree³

Software Engineering, Programming
& Software Development, Computer
Science, Web Development, Mobile
Application Development, Game
& Design Development, 3D Digital
Design, Information Technology

Advanced Certifications²

Microsoft Certified Solutions Associate
Microsoft Certified Solutions Developer
Microsoft Certified Solutions Expert
COMP TIA IT Fundamentals
COMP TIA A+
COMP TIA Project+

Jobs with Work Experience & Associate Degree³

Software Developer, Web Developer,
Mobile Application Developer
Business / Systems Analyst
Quality Assurance Analyst
Technical Support Specialist
Project Coordinator
Database Applications Developer /
Administrator

Professional Careers

Bachelor Degree³

Software Eng., Computer Science, Mgmt. Info.
Systems, Web Development, Mobile Application
Development, Game Design & Development,
3D Digital Design

Master Degree³

Software Eng., Computer Sci., Data Science,
Info. Systems & Tech., Business Analytics,
Project Management

Doctoral Degree³

Software Eng., Computer Science, Data
Science, Info. Systems & Technologies,
Business Analytics, Project Management

Extensive Work Experience³

Senior Software Engineer, Software
Development Mgr., Solution / Enterprise
Architect, Dir. of Software Development,
Senior Business / Systems Analyst,
Project Mgr., Senior Web Developer, Senior
Quality Assurance Analyst, Senior Database
Applications Developer / Administrator, IT
Manager, Data Scientist, Chief Information
Officer [CIO], Chief Technical Officer [CTO]

¹ Courses contain multiple subjects & languages
² Certifications are extensive in some categories
³ Examples of degrees and work experience
options are extensive

*Students who meet certification
criteria will have the opportunity to
test in their CT program.

