Software Engineering

Career Roadmap

MCCC Career Major

Required Courses[1]
Applications of AI
Web Design & Development
Programming & Software Development
Database Applications Development

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

Goals
Earn High School Diploma[2]
Earn Industry Certifications

MCCC Industry Certifications*
Information Technology Specialist
Internet Computing Core Certifications (IC3)
Microsoft Office Specialist (MOS)
CPR and First Aid
Pre-Apprenticeship (ApprenticeOhio)

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

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

Technical Careers

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

Advanced Certifications[2]
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 Degree[3]
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 Degree[3]
Software Eng., Computer Science, Mgmt. Info. Systems, Web Development, Mobile Application Development, Game Design & Development, 3D Digital Design

Master Degree[3]
Software Eng., Computer Sci., Data Science, Info. Systems & Tech., Business Analytics, Project Management

Doctoral Degree[3]
Software Eng., Computer Science, Data Science, Info. Systems & Technologies, Business Analytics, Project Management

Extensive Work Experience[3]
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

Medina County Career Center

Your College & Career Connection