If you have a technical mindset, love working with the internet and are interested in programming, a career in software and web development might be right for you. Developers have extensive programming skills, knowledge of technical terminology and a solid understanding of computer languages essential to creating easy-to-navigate web pages. Good problem-solving skills are also critical.

About This Program
Creating interactive, inviting and functional web applications requires the skills of a web and software developer. Learn to develop software solutions using multiple programming languages, tools and frameworks. Apply design patterns, object-oriented analysis and SOLID principles to create robust and scalable applications. Explore web server administration and mobile application development.

What Makes This Program Unique

• Area technology employers collaborate with WCTC to develop course content to prepare you for the local job market.
• Develop real-world applications for on-campus customers, and gain industry experience through an internship.
• Collaborate on multiple team-based projects to prepare for a career in the modern workplace.
• Create databases, web applications, web services, Internet of Things (IoT) solutions and mobile applications.
• The BIT Connections Club allows members to expand IT skills through service learning projects, emerging technology exploration, aspects of global business technology, professional development and travel opportunities.

Career Salaries
$61,000 – $100,000+ annually

Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual wages may vary based on experience, industry, location and specific job requirements.

Potential Careers
- Application Software Developer
- Application Programmer
- Software Analyst
- Software Engineer
- Programmer Analyst

Program Code: 10-152-7

Credits

Core Courses:
- 107-102 IT Support 2
- 107-119 System Analysis Agile Methods 3
- 107-137 IT Internship 1
- 152-103 Mobile Application Development 2
- 152-105 Intro to Web Development 2
- 152-108 Web Server Administration 2
- 152-109 .Net Web Development 4
- 152-112 Intro to Web Development with C# 3
- 152-130 Introduction to Java 2
- 152-131 Software Architecture 2
- 152-145 Advanced Web Services Development 2
- 152-168 JavaScript 3
- 152-170 IS Project 4
- 152-179 JavaScript 2 4
- 152-197 Distributed Java 3
- 156-101 .Net Database Programming 3
- 156-108 Intro to Databases & Reporting 1
- 156-109 Intro to SQL 2

General Studies:
- 801-136 English Composition 1 3
- 801-197 Technical Reporting 3
- 801-198 Speech 3
- 804-133 Math & Logic 3
- 809-143 Microeconomics 3
- 809-199 Psychology of Human Relations 3
- 890-108 Employment Success 1

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