

Web Development Certificate

The Web Development 31-credit hour certificate prepares students for careers as professional web developers. This certificate goes deeper into the technical aspects of web development. Students learn strategies for making effective use of the web by building, designing and programming web pages and maintaining sites to meet business needs. Upon completion of this certificate, students may enter the workforce in the field of web development. With one more year of study, students can complete their Web Development and Digital Media Associate of Applied Science (<https://catalog.jccc.edu/archives/2025-26/degrecertificates/webtechnologies/web-development-digital-media-aas/>) degree.

(Major Code 6780; CIP Code 11.0801)

Web Development & Digital Media Program web page (<http://www.jccc.edu/academics/credit/web-development-digital-media/>)

Program Learning Outcomes

Johnson County Community College (JCCC) is committed to offering high-quality affordable programs that focus on developing knowledge and skills conducive to life-long learning. Both the General Education Student Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/learning-outcomes.html>) and Institutional Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/institutional-learning-outcomes.html>) convey JCCC's approach to programmatic outcomes. Additionally, students who successfully complete the Web Development Certificate from JCCC will be able to:

- Create valid and semantically correct HTML pages.
- Create CSS documents that use cascading styles and follow best practices in responsive design.
- Create JS scripts and integrate them into HTML pages.
- Develop professional soft skills and documentation required for the web development industry.
- Develop content, communication, and project strategies.
- Create content following web page standards, policies, and requirements for accessibility and understand how to publish them to the web.
- Apply web analytic and search engine optimization techniques.
- Design and test interactive interfaces for web and screen media using best practices of web design.
- Add functionality to a web page using server-side scripting.
- Incorporate data into a website dynamically.

Certificate Requirements

First Semester

Code	Title	Hours
IT 120	CompTIA A+ Core 2	3
WEB 110	HTML and CSS	3
WEB 112	Professional Skills for the Digital Developer	3
WEB 114	Web Scripting: JavaScript I*	2
WEB 116	Digital Media Concepts	2
WEB 118	Digital Workflow	3
Total Hours		16

Second Semester

Code	Title	Hours
WEB 120	Web Analytics*	3
WEB 122	CSS Techniques & Projects*	3
WEB 124	Web Scripting: JavaScript II*	2
WEB 126	Technical Interface Skills*	3
WEB 128	Server Scripting: PHP with MySQL*	2

WEB 239	Introduction to Application Programming Interfaces (APIs)*	2
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Total Hours		15
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Total Program Hours: 31

* This course has registration requirements.