

# WEB DEVELOPMENT CERTIFICATE

Total Credits: 17

Catalog Edition: 2023-2024

## Program Description

From front-end development to server-side programming and databases, this certificate provides students with the skills and knowledge needed to excel in the rapidly growing field of website and web application development. Students in this program will gain hands-on experience in HTML, CSS and JavaScript, as well as database and web application development, using industry standard equipment and software. This certificate prepares students for a variety of entry and mid-level positions as user-interface developers, web developers, digital media specialists, web designers and multimedia specialists. **This program can be completed either on campus or online.**

## Program Outcomes

Upon completion of this program, a student will be able to:

- Create valid HTML webpages that correctly incorporate Cascade Style Sheets (CSS) and JavaScript.
- Use an Integrated Development Environment (IDE) effectively.
- Create webpages with dynamic content utilizing a web database technology.
- Create coherent and intuitive websites and web-enabled applications.

## Program Advisors

### Rockville

- Prof. John "Erik" Swanson,  
240-567-7529, [John.Swanson@montgomerycollege.edu](mailto:John.Swanson@montgomerycollege.edu)

For more information, please visit <https://www.montgomerycollege.edu/academics/programs/digital-media-and-web-technologies/web-development-certificate.html>

To view the Advising Worksheet, please visit [https://www.montgomerycollege.edu/\\_documents/counseling-and-advising/advising-worksheets/current-catalog/231b.pdf](https://www.montgomerycollege.edu/_documents/counseling-and-advising/advising-worksheets/current-catalog/231b.pdf)

2023-2024

# Program Advising Guide

An Academic Reference Tool for Students

231B

WEB DEVELOPMENT  
CERTIFICATE: 231B

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## Program Requirements

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

### Program Requirements

GDES 116 - Digital Tools for the Visual Arts *4 semester hours*

TECH 272 - Website Development *4 semester hours*

TECH 273 - Advanced Website Development *3 semester hours*

TECH 276 - JavaScript Fundamentals *3 semester hours*

TECH 282 - Web Application Development Using PHP and MySQL *3 semester hours*

## Total Credit Hours: 17

**This program can be completed either on campus or online.**

## Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more, please visit <https://www.montgomerycollege.edu/transfer> or <http://artsys.usmd.edu>.

## Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations: <https://www.montgomerycollege.edu/life-at-mc/student-life/>

## Related Careers

Some require a Bachelor's degree.

Information Security Analyst, Computer Programmer, Web Developer, Web Administrator, Video Game Designer, Multimedia Artist and Animator.

## Career Services

Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit <https://www.montgomerycollege.edu/career>

## Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area. Get started today on your road to a new future and give it a try. For more information, please visit <https://montgomerycollege.emsicc.com>

## Notes: