WEB DEVELOPMENT CERTIFICATE: 231A
Total Credits: 34
Catalog Edition: 2019-2020

Program Description

This certificate is designed to provide training, skills, and knowledge that prepare a student for employment as a member of a web development team. Skills include website management, basic website design, effective communication between web authors and system administrators, HTML validity, editorial responsibilities, and liaison with graphic artists and others.

Program Outcomes

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

- Create valid XHTML webpages.
- Use an Integrated Development Environment (IDE) effectively.
- Create webpages incorporating the Cascading Style Sheets technology.
- Create webpages with dynamic content utilizing a web database technology.
- Create coherent and intuitive websites or web-enabled applications.

Program Advisors

Rockville

- Prof. John "Erik" Swanson,
  240-567-7529, 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/231a.pdf

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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

- CMAP 242 - Introduction to Database Applications *3 semester hours*

- **OR**

- CMSC 246 - Introduction to SQL Using Oracle *3 semester hours*

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

- GDES 140 - Introduction to Animation *4 semester hours*

- TECH 272 - Professional Website Development *4 semester hours*

- TECH 273 - Advanced Professional Web Technologies *3 semester hours*

- TECH 274 - Web Content Management Systems and Strategy *3 semester hours*

- TECH 276 - JavaScript Fundamentals *3 semester hours*

- OR

- TECH 277 - Advanced JavaScript *3 semester hours*

- TECH 278 - Web Application Development Using ColdFusion *4 semester hours*

- TECH 288 - Advanced Web Application Development Using ColdFusion *3 semester hours*

- TECH 299 - Web Certificate/Degree Portfolio *3 semester hours*

Total Credit Hours: 34

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.emsicareercoach.com

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