WEB DESIGN CERTIFICATE
Total Credits: 29-30
Catalog Edition: 2023-2024

Program Description
(R): 229A

THIS PROGRAM IS SUSPENDED EFFECTIVE FALL 2022. NEW STUDENTS MAY NOT BE ADMITTED TO SUSPENDED PROGRAMS. STUDENTS ADMITTED TO THIS PROGRAM PRIOR TO FALL 2022 WILL NOT BE ABLE TO GRADUATE WITH THIS DEGREE AFTER SPRING 2025. PLEASE REFER TO THE WEB DEVELOPMENT CERTIFICATE: 231B AND CONTACT A PROGRAM ADVISOR.

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, advanced web design techniques using a variety of software, 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:

• Demonstrate solid foundation skills and competency in a range of media, techniques, and knowledge of associated processes used in web design.
• Demonstrate visual problem solving that employs appropriate technical skills and techniques.
• Demonstrate the ability to express ideas and concepts creatively.
• Apply principles of design and typography to the processes employed in the graphic design, illustration, and web design industries.
• Demonstrate an understanding of the vocabulary of web design.
• Demonstrate the ability to present and critique concepts and designs.
• Demonstrate currency in the digital tools employed in website design and assembly.

• Create professional-quality websites that comply with current web standards.
• Develop a portfolio representative of the material and techniques studied, suitable for employment or transfer to another institution.

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-design-certificate.html

To view the Advising Worksheet, please visit https://www.montgomerycollege.edu/_documents/counseling-and-advising/advising-worksheets/current-catalog/229a.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
GDES 116 - Digital Tools for the Visual Arts 4 semester hours
GDES 121 - Fundamentals of Graphic Design I 3 semester hours
GDES 140 - Introduction to Animation 4 semester hours
GDES 214 - Photoshop for Graphics and Photography 4 semester hours
GDES 218 - Graphic Design for the Web 4 semester hours
TECH 272 - Website Development 4 semester hours
TECH 299 - Web Certificate/Degree Portfolio 3 semester hours

Program Elective (Select One Course)
ARTT 100 - Introduction to Drawing 3 semester hours
ARTT 102 - Introduction to 2D Design 3 semester hours
GDES 216 - Illustrator for Vector Graphics 4 semester hours
TECH 273 - Advanced Website Development 3 semester hours
TECH 274 - Web Content Management Systems and Strategy 3 semester hours
TECH 276 - JavaScript Fundamentals 3 semester hours
TECH 278 - Web Application Development Using ColdFusion 4 semester hours
TECH 277 - Advanced JavaScript 3 semester hours
TECH 282 - Web Application Development Using PHP and MySQL 3 semester hours
TECH 288 - Advanced Web Application Development Using ColdFusion 3 semester hours

Total Credit Hours: 29-30
**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](https://www.montgomerycollege.edu/transfer) or [http://artsys.usmd.edu](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/](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](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](https://montgomerycollege.emsicc.com)

**Notes:**