DIGITAL MEDIA AND WEB TECHNOLOGY AAS: 357
Total Credits: 60
Catalog Edition: 2019-2020

Program Description

The digital media and web technology program is designed for the student who wishes to pursue a career or to continue studies in digital media and web development. This program teaches technologies involved in designing and developing user interfaces, websites, and web applications as well as mobile and web server programming. Students may focus their studies on user interface development, web development, or mobile development or take courses from some or all of the focus areas. The curriculum prepares students for a variety of entry and midlevel positions as user-interface developers, web developers, web designers, digital media, and multimedia specialists.

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 and mobile development.
• Demonstrate currency and proficiency in the digital tools employed in web and mobile design and development.
• Create professional quality websites or mobile applications that comply with current web standards and are representative of the material and techniques studied.

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/digital-media-and-web-technology-aas.html

To view the Advising Worksheet, please visit https://www.montgomerycollege.edu/_documents/counseling-and-advising/advising-worksheets/current-catalog/357.pdf

2019-2020

Program Advising Guide
An Academic Reference Tool for Students

357

DIGITAL MEDIA AND WEB TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE: 357

DIGITAL MEDIA AND WEB TECHNOLOGY AAS: 357

Suggested Course Sequence

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

First Semester
- ARTT 116 - Digital Tools for the Visual Arts *4 semester hours* (GEEL)

- OR

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

- CMSC 100 - Fundamentals of Computer Programming *2 semester hours* †

- ENGL 101 - Introduction to College Writing *3 semester hours* *

- Mathematics foundation *3 semester hours* (MATF)

- Arts or humanities distribution *3 semester hours (ARTD or HUMD)*

Third Semester
- 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*

- Natural sciences distribution with lab *4 semester* hours *(NSLD)*

- Program elective *3 semester hours* ‡

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

- Behavioral and social sciences distribution *3 semester hours (BSSD)*

- English foundation *3 semester hours (ENGF)*

- Program elective *4 semester hours* ‡

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

- Program electives *12 semester hours* ‡

Total Credit Hours: 60

* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or elective.

‡ Program electives: GDES 121, GDES 140, GDES 212, GDES 214, GDES 216, CMSC 141/CMAP 242, TECH 277, TECH 278, TECH 282, TECH 288, CA 213/CMSC 201, CS 214/CMSC 214, CS 261/CMSC 234, CS 270/CMSC 246, CS 216/CMSC 250, TV110/TVRA 140. Please consult a digital media advisor before selecting courses.

† CMSC 100 is designed for students new to computer programming. Successful completion of CMSC 140 is necessary for Mobile Development courses.

This degree is a career program and may not readily transfer to four year colleges/universities (except in special cases.) Visit transfer planning for more information. This program is designed to be completed in 60 credits. If a student elects to take electives that create a program total exceeding 60 credits, they should do so under advisement.

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

Notes: