DIGITAL MEDIA AND WEB TECHNOLOGY AAS
Total Credits: 60
Catalog Edition: 2023-2024

Program Description
DIGITAL MEDIA AND WEB TECHNOLOGY AAS:
357 WAS REPLACED BY DIGITAL MEDIA AND
WEB TECHNOLOGY AA: 615 AND IS NO LONGER
ACCEPTING NEW STUDENTS. ADDITIONALLY,
STUDENTS ADMITTED PRIOR TO FALL 2022
WILL NOT BE ABLE TO GRADUATE WITH
THIS CERTIFICATE AFTER SPRING 2025.
PLEASE CONTACT A PROGRAM ADVISOR #FOR
ALTERNATIVE OPTIONS.

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

Mathematics Foundation 3 semester hours (MATF)

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 †

Arts or Humanities Distribution 3 semester hours (ARTD or HUMD)

Third Semester
- 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

Natural Sciences Distribution with Lab 4 semester hours (NSLD)

Program Elective 3 semester hours ‡

Second Semester
- English Foundation 3 semester hours (ENGF)

- TECH 272 - Website Development 4 semester hours

- Behavioral and Social Sciences Distribution 3 semester hours (BSSD)

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, TECH 277, TECH 278, TECH 282, TECH 288, CMSC 201, CMSC 214, CMSC 234, CMSC 246, CMSC 250, 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.emsicc.com

Notes: