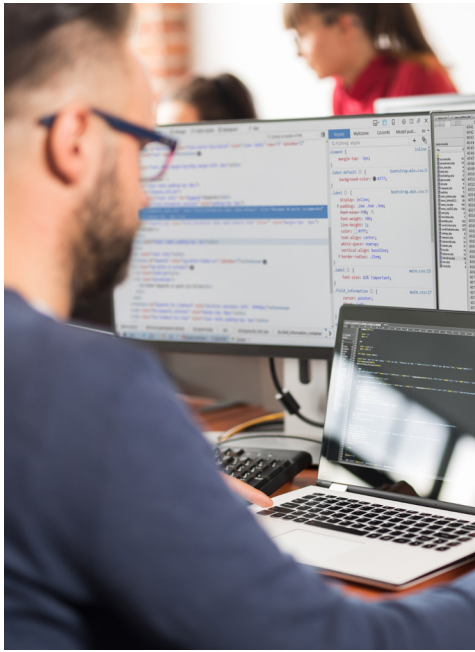




Web and Multimedia Technology



What is the Web and Multimedia Technology Program?

In the Web and Multimedia Technology Program, students learn about the planning, production and mechanical development, information structure, and visual design of websites. This program provides training for a variety of careers including Web designer, webmaster, Web developer, and multimedia artist.

What type of students excel in this program?

The Web is a meeting of imagination and creativity, but needs logic and programming to make it run. Web designers are computer geeks with a talent for design. They don't just make Web pages that work; they make them look good.

What is the employment outlook for this career field?

According to the U.S. Bureau of Labor Statistics, the expansion of ecommerce has created a diversity of occupations associated with design, development, and maintenance of websites and their servers. Rapidly changing technology and mobile has increased the demand for people with skills. Because of this, the employment outlook for Web developers is expected to increase by 15 percent over the next 10 years.

What do Web developers earn?

The salary for Web developers depends on their experience, skills, location, and education. The median annual wage for Web developers was \$69,430 in May 2018. The highest 10 percent earned more than \$124,480 (source: www.bls.gov/ooh).

Why choose HCC?

Web and multimedia is an increasingly popular field of study. HCC offers the latest technology and software with hands-on instructions to give students a competitive edge in a constantly changing environment.

HCC's program is one of the few on the east coast that teaches design and development under its own designator. Other colleges teach either design (e.g., HTML, CSS, and Photoshop) or development (e.g., PHP, MySQL, and JavaScript), but, at HCC, students learn the art of design and the science of programming at the same time.

Students earning the A.A.S. degree can complete a Web design internship with a local multimedia company where they will gain valuable on-the-job experience. In addition, second year students will complete a group service learning project for a local non-profit organization. By the end of the program, students will have working production websites to add to their portfolios.

For more information about HCC graduation rates, the median debt of students who completed the program, and other important information, visit www.hagerstowncc.edu/web-design.

A.A.S. Degree

Web and Multimedia Technology

The A.A.S. degree in Web and multimedia technology provides training for a variety of careers in this field. The program consists of specialized Web and multimedia design and development courses, as well as general education offerings. Students successfully completing this program will be proficient in the areas of website production, administration, and programming. They will also have acquired technical skills in the areas of visual design,

communication, and content development. A student completing the Web and Multimedia Technology Program will be prepared to work as a webmaster, Web developer, Web designer, or Web graphic and multimedia artist.

General Education Requirements 21-22 credits

Arts/Humanities	
Select from approved General Education course list	3
Behavioral/Social Sciences	
Select from approved General Education course list	3
Biological/Physical Science	
Select from approved General Education course list	3-4
Diversity	
Select from approved General Education course list	3
English	
Select two courses from approved General Education course list.....	6
*A minimum grade of "C" or better is required for ENG-101 and ELL-101	

Mathematics	
Select one course from approved General Education course list.....	3

Program Requirements 30 credits	
BUS 101 Introduction to Business Organization and Management	3
GDT 112 Computer Graphics	3
GDT 116 Digital Imaging	3
IST 107 Database Management	3
STU 106 Professionalism in the Workplace	1
WEB 101 Web Design I	3
WEB 110 Web Design II	3
WEB 115 Web Developer I	3
WEB 210 Web Developer II	3
WEB 215 Javascript and Multimedia	3
WEB 220 Introduction to Content Management Systems	2

Restricted Electives 6 credits	
Select two courses from the following approved list:	
CSC 102 Introduction to Information Technology	(3)
CSC 109 UNIX/Linux Operating System	(3)
CSC 132 Introduction to C and C++ Programming	(3)
CSC 134 Introduction to JAVA Programming	(3)
GDT 142 Computer Illustration: Adobe Illustrator	(3)
GDT 146 Graphic Design I	(3)
GDT 220 Digital Video and Audio	(3)
IST 133 Visual Basic	(3)
SDE 201 Multimedia Algorithms and Mobile Devices	(3)
WEB 269 Internship	(3)

Free Electives **3 credits**

Select three credits. Electives should be selected in consultation with a transfer advisor. Some recommended courses are listed below:

- ART 102 Two-Dimensional Design(3)
- ENG 112 Technical Writing I(3)
- IST 154 Networking Basics(3)
- IST 160 Introduction to
Security Fundamentals(3)
- MGT 104 Marketing(3)

Degree Requirement..... 60

Certificate

Web and Multimedia Technology

**Web/Multimedia
Development**

The Web/multimedia development certificate consists of specialized courses designed to develop knowledge and skills in the use of tools, equipment, traits, attitudes, and behaviors that are desirable for workers in the Web development occupation. This certificate program provides for formal academic preparation without loss of credit if an associate of applied science degree is desired.

Program Requirements **30 credits**

- BUS 101 Introduction to Business
Organization and Management 3
- CSC 102 Introduction to
Information Technology..... 3
- CSC 109 UNIX/Linux Operating System 3
- GDT 112 Computer Graphics 3
- IST 107 Database Management..... 3
- SDE 102 Multimedia Authoring and
2-Dimensional Animation..... 3
- WEB 101 Web Design I..... 3
- WEB 110 Web Design II..... 3
- WEB 115 Web Developer I..... 3
- WEB 215 JavaScript and Multimedia 3

Certificate Requirement 30

Letter of Recognition

Web and Multimedia Technology

Web Site Development

The website development letter of recognition helps to prepare for an entry-level position designing Web pages and developing websites. Skills include basic Web page design, graphic/media file manipulation and data integration. Credits earned in this sequence can be applied to the Web applications development certificate.

Program Requirements **9 credits**

- WEB 101 Web Design I..... 3
- WEB 110 Web Design II..... 3
- WEB 115 Web Developer I..... 3

Letter of Recognition Requirement..... 9



Contact Information:

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**Recommended
Professional Resources**

American Institute of Graphic Artists
(AIGA): www.aiga.org
American Advertising Federation (AAF):
www.aaffrederick.org
National Association of Photoshop
Professionals (NAPP):
www.photoshopuser.com

www.hagerstowncc.edu/web-design