



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 \$67,990 in May 2017. The highest 10 percent earned more than \$122,320 (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.

Important information about the educational debt, earnings, and completion rates of students who attended these programs can be viewed at www.hagerstowncc.edu/gedt/cer_wbm/11.0801-Gedt.html

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	109	UNIX/Linux Operating System.....	(3)
CSC	132	Introduction to C and C++ Programming.....	(3)
CSC	134	Introduction to JAVA Programming.....	(3)
GDT	146	Graphic Design I.....	(3)
GDT	220	Digital Video and Audio.....	(3)
IST	133	Visual Basic.....	(3)
MGT	201	E-Commerce in the Business Environment.....	(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:

Olusegun "Victor" Adegboyega-Edun
Instructor
Web & Animation Technology
240-500-2361
oadeboyega-edun@hagerstowncc.edu

**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