

## WEB DESIGN AND DEVELOPMENT

### Program Overview

The Web Design and Development Program is designed to train students to design and develop web sites. Students will develop a comprehensive understanding of core design principles and key development strategies. This will include developing sites for deployment on mobile devices and standard computers and the development of static websites and database-driven websites. The program will train individuals to become web designers and web developers. Students will learn design theory as well as gain experience in programming for browsers and servers. The training is geared toward students with

no experience, but will be an excellent opportunity for people changing careers or who wish to take individual courses to stay current in their existing jobs.

For more information, visit:

[www.mchenry.edu/webdevelopment](http://www.mchenry.edu/webdevelopment)

**The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.**

### Requirements for the Associate in Applied Science (AAS) in Web Design and Development

Curriculum: OCC 425	Credit Hours		
<b>General Education Core</b>			
<b>Communications</b> 2 courses	6	(3) ENG 151 Composition I	(3) ENG 152 Composition II <b>or</b> (3) SPE 151 Intro to Speech
<b>Humanities &amp; Fine Arts, Social &amp; Behavioral Sciences</b> Select 1 course from Humanities & Fine Arts <b>and</b> 1 course from Social & Behavioral Sciences	6	<b>Humanities &amp; Fine Arts</b> (3) DGM 167 Graphic Arts	<b>Social &amp; Behavioral Sciences</b> Select 1 course from the following prefixes or course numbers: ANT ECO (3) GEG 202 Geog. of the Developed World (3) GEG 203 Geog. of the Developing World (3) GEG 204 Economic Geography HIS PLT PSY SOC
<b>Mathematics, Physical or Life Sciences, Technology</b> Select 1 course from Mathematics and Physical or Life Sciences	3	<b>Mathematics</b> Select from the following prefix: MAT (100-level or above)	<b>Physical or Life Sciences</b> Select from the following prefixes: BIO CHM EAS
<b>Program Core</b>	39	(3) DGM 107 Digital Legalities (3) DGM 152 User Interface Design (3) DGM 153 User Experience Design (3) DGM 265 Agile Project Management (3) DGM 275 Portfolio Design (3) ENG 108 Writing for the Web (3) GRA 100 Adobe Design Suite (3) PRG 105 Programming Logic (3) PRG 147 JavaScript Programming I	(3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Development 1 (3) WEB 212 PHP/MySQL
<b>Program Electives</b> 2 courses	6	Choose courses from the catalog with the following prefixes: DBM, DGM, GRA, MAD, PRG and WEB.	
<b>Total Degree Credits</b>	60		

### Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- 15 semester hours of program-specific coursework taken at MCC
- Completion of Intent to Graduate form
- Completion of end-of-program assessment as directed by this department.

## Requirements for the Web Design Certificate

Curriculum: OCC 4230	Credit Hours		
Program Core	27	(3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) DGM 170 Digital Video Production (3) ENG 108 English Writing for the Web	(3) GRA 100 Adobe Design Suite (3) GRA 185 Color Theory (3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Development 1
Total Certificate Credits	27		

For more information, visit: [www.mchenry.edu/webdesign](http://www.mchenry.edu/webdesign)

## Requirements for the Web Development Certificate

Curriculum: OCC 426	Credit Hours		
Program Core	27	(3) DBM 110 SQL/Database Concepts (3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) PRG 105 Programming Logic	(3) PRG 147 JavaScript Programming I (3) WEB 105 Web Fundamentals (3) WEB 115 HTML & CSS (3) WEB 175 Website Design (3) WEB 212 PHP & MySQL
Total Certificate Credits	27		

For more information, visit: [www.mchenry.edu/webdev](http://www.mchenry.edu/webdev)

## Requirements for the Web Marketing Certificate

Curriculum: OCC 4230	Credit Hours		
Program Core	24	(3) DGM 152 Interface Design (3) DGM 153 Designing the User Experience (3) GRA 167 Graphic Design I (3) MKT 110 Principles of Marketing	(3) MKT 155 E-Commerce (3) MKT 225 Consumer Behavior (3) WEB 105 Web Fundamentals (3) WEB 175 Website Development 1
Program Electives	3	Choose courses from the catalog with the following prefixes: ANI, DBM, DGM, GRA, MKT and WEB.	
Total Certificate Credits	27		

For more information, visit: [www.mchenry.edu/webmarketing](http://www.mchenry.edu/webmarketing)

### Other AAS Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of Intent to Graduate form
- Completion of end-of-program assessment as directed by this department.