



**AAS 1816 Web Development and Design**  
**Effective Fall 2018**

**60 Credits**

*This is an overview of the program. Any suggested course sequencing is meant to serve as a guideline for your semester planning. Students are expected to see their assigned advisor to develop and review their individual educational plans. The scheduling of courses, program sequencing, and curriculum are subject to change.*

<b>Developmental Courses (as determined through College Placement Testing)* and Prerequisites:</b>			
<i>* Zero level courses must be completed with a C grade or higher.</i>			
<input type="checkbox"/>	ESL classes	<input type="checkbox"/>	Engl 050
<input type="checkbox"/>	Engl 002	<input type="checkbox"/>	Engl 051
<input type="checkbox"/>	Engl 003	<input type="checkbox"/>	Engl 057
<input type="checkbox"/>	Engl 007		
<input type="checkbox"/>	FS 100/103		
*See counselor/advisor to discuss this course or options to self-remediate and successfully place into higher- or college-level course.			
<b>General Education Courses</b>			
<b>ENGL 101 or ENGL 110</b>	3cr	Prerequisites: Completion of ENGL 007, 051 or 057 with a grade of C or higher; ENGL 003 is a Pre or Co-requisite.	
<b>COMM 101 or COMM 203</b>	3cr	Prerequisites: Eligibility for enrollment into ENGL 101 and completion of any reading courses Prerequisites: ENGL 101 with a grade of C or higher.	
<b>Humanities &amp; Arts</b>	3cr	Core A Elective	
<b>Social &amp; Behavioral Sciences</b>	3cr	Core B Elective	
<b>Math or Science</b>	3cr	Core C – Math or Science Elective	
<b>Wellness</b>	1cr	See College Catalog for a list of approved courses	
<b>First Year Seminar</b>	1cr	Unless exempted by examination. See HACC catalog for a list of approved courses.	

<b>Required Program Courses</b>			
<b>WEB 101</b>	3cr	Web Program Introduction	Prerequisites: ENGL 057 or a combination of ENGL 003, or 007 and ENGL 051 with a grade of C or higher; Eligibility for enrollment into ENGL 101
<b>WEB 110</b>	3cr	Web Site Publishing	Prerequisites: None
<b>WEB 125</b>	3cr	HTML and CSS	Prerequisites: None
<b>WEB 130</b>	3cr	Multimedia Fundamentals	Prerequisites: None
<b>WEB 133</b>	3cr	Design Fundamentals	Prerequisites: None
<b>WEB 143</b>	3cr	Development Fundamentals	Prerequisites: CIS 110; or WEB 101 or 102 with a grade of C or higher. Co-requisite: WEB 125
<b>WEB 240</b>	3cr	JavaScript Programming	Prerequisites: WEB 125 with a grade of C or higher. Co-requisite: WEB 143.
<b>WEB 268 or WEB 270</b>	3cr	Web Program Capstone	Prerequisite: WEB 133 and WEB 143 with grades of C or higher; An Instructor's signature is required for registration
<b>Program Major Elective</b>	3cr	Select from the following courses: any WEB, AOS, ART, CIS, CISE, CNT, CPS, and ELEC. Excluding AOS 100, 101; CIS 100	Prerequisites will vary based on course selection
<b>Open Elective*</b>	1cr	Any course from 100 – 299 level	Prerequisites will vary based on course selection

**Choose one of the concentrations below:**

<b>Interactive Web Media (Media)</b>			
WEB 135	3cr	Raster Imaging and Photography	Prerequisites: None
WEB 138	3cr	Vector Imaging and SVG	Prerequisites: None
WEB 225	3cr	Responsive Design and Typography	Prerequisites: WEB 125 & 133 with grades of C or higher.
WEB Media Electives	6cr	<b>Select TWO from the following:</b> WEB 227 – ebooks, eDocs and ePublishing WEB 230 – 2-D Animation for the Web WEB 231 – 3-D Animation for the Web WEB 233 – Audio/Video Studio for the Web	Prerequisites will vary based on course selection.

<b>WEB Application Development Concentration (AppDev)</b>			
CIS 245	3cr	Database Programming	Prerequisite: CIS 140 or WEB 143 with a C or higher
WEB 245	3cr	Advanced Development	Prerequisite: WEB 143 with a grade of C or higher
WEB 253	3ce	Introduction to Windows Development	Prerequisite: WEB 143 with a grade of C or higher
Web App Development Electives	6cr	<b>Select TWO from the following:</b> CIS 140 – Intermediate Database Management WEB 144 – Introduction to JAVA Development WEB 255 – Introduction to PHP Development WEB 257 – Advanced ASP.NET Active Server pages	Prerequisites will vary based on course selection.

<b>General Web Studies Concentration (General)</b>			
WEB 135	3cr	Raster Imaging and Photography	Prerequisites: None
WEB 245	3cr	Advanced Development	Prerequisite: WEB 143 with a grade of C or higher
Web Media Elective	3cr	<b>Select ONE from the following:</b> WEB 138, WEB 225, WEB 227, WEB 230, WEB 231, or WEB 233	Prerequisite will vary based on course selection.
Web Application Elective	3cr	<b>Selective ONE from the following:</b> CIS 140, CIS 245; WEB 253, WEB 144, WEB 255, WEB 257	Prerequisite will vary based on course selection.
Development or Web Media Elective	3cr	<b>Select ONE from the following:</b> WEB 138, WEB 225, WEB 227, WEB 230, WEB 231, or WEB 233, CIS 140, CIS 245; WEB 253, WEB 144, WEB 255, WEB 257	Prerequisite will vary based on course selection.

**Advising Notes**

The WEB program is offered fully online.

\*Open Elective (1 credit): Elective will be fulfilled if General Education was a 4-credit course or if student take FS 100 for their FYS requirement.

**Recommended Sequence For Full-Time Students**

Part-time students can complete this program by taking one or more courses each semester.

**Interactive Web Media Concentration (Media)**

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
FS 102	1	Arts/Humanities Elective	3	Media Concentration Elective	3	COMM 101 or 203	3
ENGL 110 or 101	3	WEB 133	3	Math/Science Elective	3	Media Concentration Elective	3
WEB 101	3	WEB 135	3	Social/Behavioral Science Elective	3	Open Elective	1
WEB 110	3	WEB 138	3	WEB 225	3	Program Major Elective	3
WEB 125	3	WEB 143	3	WEB 240	3	WEB 268 or 270	3
WEB 130	3					Wellness	1

**Recommended Sequence For Full-Time Students**

Part-time students can complete this program by taking one or more courses each semester.

**WEB Application Development Concentration (AppDev)**

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
FS 102	1	Arts/Humanities Elective	3	CIS 245	3	COMM 101 or 203	3
ENGL 110 or 101	3	Math/Science Elective	3	Development Concentration Elective	3	Development Concentration Elective	3
WEB 101	3	WEB 133	3	Social/Behavioral Science Elective	3	Open Elective	1
WEB 110	3	WEB 143	3	WEB 245	3	Program Major Elective	3
WEB 125	3	WEB 240	3	WEB 253	3	WEB 268 or 270	3
WEB 130	3					Wellness	1

**Recommended Sequence For Full-Time Students**

Part-time students can complete this program by taking one or more courses each semester.

**General Web Studies Concentration (General)**

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
FS 102	1	Arts/Humanities Elective	3	Development Concentration Elective	3	COMM 101 or 203	3
ENGL 110 or 101	3	Math/Science Elective	3	Media Concentration Elective	3	Development or Media Concentration Elective	3
WEB 101	3	WEB 133	3	Social/Behavioral Science Elective	3	Open Elective	1
WEB 110	3	WEB 135	3	WEB 240	3	Program Major Elective	3
WEB 125	3	WEB 143	3	WEB 245	3	WEB 268 or 270	3
WEB 130	3					Wellness	1

**Counselor/Advisor Contact Information by Campus:**

<u>Gettysburg</u>	<u>Harrisburg</u>	<u>Lancaster</u>	<u>Lebanon</u>	<u>York</u>
Student Services	Counseling and Advising	Counseling and Advising	Receptionist Desk	Counseling and Advising
Lobby	Cooper 219	221 Main	Lobby	Leader Suite 104
717-337-3855	717-780-2498	717-358-2988	717-270-4222	717-801-3213