

# Web Development and Digital Media, AAS

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The Web Development and Digital Media 64-credit hour Associate of Applied Science degree is designed for students who wish to pursue careers in web development and digital media. This program teaches technologies and techniques involved in designing and developing websites, web applications, user experiences, and digital content necessary to capture audiences in our increasingly mobile world. The degree is designed to enhance skills and help students discover the specific discipline that best suits their talents and interests. The degree offers an exciting variety of course options in a hands-on learning environment. Students have access to state-of-the-art computer and production labs. Coursework includes analysis of real-world case studies and hands-on projects that allow students to apply the concepts and skills they have learned to realistic business situations. Students are prepared for a variety of positions as web developers, web designers, user experience developers, and digital media specialists.

(Major Code 2030; CIP Code 11.0801)

Web Development & Digital Media Program web page (<http://www.jccc.edu/academics/credit/web-development-digital-media/>)

## Associate of Applied Science Degree

### First Semester

Code	Title	Hours
IT 120	CompTIA A+ Core 2	3
WEB 110	HTML and CSS	3
WEB 112	Professional Skills for the Digital Developer	3
WEB 114	Web Scripting: JavaScript I*	2
WEB 116	Digital Media Concepts	2
WEB 118	Digital Workflow	3
<b>Total Hours</b>		<b>16</b>

### Second Semester (Web Development Option)

Code	Title	Hours
WEB 120	Web Analytics*	3
WEB 122	CSS Techniques & Projects*	3
WEB 124	Web Scripting: JavaScript II*	2
WEB 126	Technical Interface Skills*	3
WEB 128	Server Scripting: PHP with MySQL*	2
WEB 239	Introduction to Application Programming Interfaces (APIs)*	2
<b>Total Hours</b>		<b>15</b>

### Second Semester (Digital Media Option)

Code	Title	Hours
WEB 120	Web Analytics*	3
WEB 121	Digital Media Assets*	4
WEB 125	Digital Video Tools	1
WEB 126	Technical Interface Skills*	3
WEB 233	Visual Storytelling	3
WEB 243	Search Engine Optimization*	1
<b>Total Hours</b>		<b>15</b>

### Third Semester (Web Development Option)

Code	Title	Hours
Program Elective (see below)		3
ENGL 121	Composition I*	3
WEB 234 or WEB 240	Web Apps I* HTML and CSS II*	3
WEB 238	Interactive Scripting: JQuery*	4

Social and Behavioral and Sciences Elective ^	3
<b>Total Hours</b>	<b>16</b>

### Third Semester (Digital Media Option)

Code	Title	Hours
Program Elective (see below)		3
ENGL 121	Composition I*	3
WEB 231	User Experience*	4
WEB 237	Emerging Technologies*	3
Social and Behavioral and Sciences Elective ^		3
<b>Total Hours</b>		<b>16</b>

### Fourth Semester (Web Development Option)

Code	Title	Hours
Program Elective (see below)		5
WEB 290	Web Development and Digital Media Capstone*	3
Communications Elective ^		3
NOTE: ENGL 140 is recommended		
Humanities Elective ^		3
Science or Math Elective ^		3
<b>Total Hours</b>		<b>17</b>

### Fourth Semester (Digital Media Option)

Code	Title	Hours
Program Elective (see below)		5
WEB 290	Web Development and Digital Media Capstone*	3
Communications Elective ^		3
NOTE: ENGL 140 is recommended		
Humanities Elective ^		3
Science or Math Elective ^		3
<b>Total Hours</b>		<b>17</b>

**Total Program Hours: 64**

### Program Electives

Code	Title	Hours
ANI 130	Motion Graphics and Effects*	3
CDTP 135	Desktop Photo Manipulation I: Photoshop*	1
CDTP 140	Desktop Publishing I: InDesign*	1
CDTP 145	Desktop Illustration I: Illustrator*	1
CDTP 155	Desktop Photo Manipulation II: Photoshop*	1
CDTP 160	Desktop Publishing II: InDesign*	1
CDTP 165	Desktop Illustration II: Illustrator*	1
CDTP 168	Desktop Publishing III: InDesign*	1
CDTP 175	Desktop Photo Manipulation III: Photoshop*	1
CDTP 185	Desktop Illustration III: Illustrator*	1
CDTP 190	Applications for Visual Design*	3
CS 134	Programming Fundamentals	4
CIS 124	Introduction to Computer Concepts and Applications	3
CIS 142	Beginning Programming using Python	4
CSS 105	Introduction to Personal Computers: Windows	1
CSS 106	Introduction to Personal Computers: Macintosh	1
CSS 128	PC Applications: MS Office	3

WEB 121	Digital Media Assets*	4
WEB 122	CSS Techniques & Projects*	3
WEB 124	Web Scripting: JavaScript II*	2
WEB 125	Digital Video Tools	1
WEB 128	Server Scripting: PHP with MySQL*	2
WEB 172	WordPress I*	1
WEB 231	User Experience*	4
WEB 233	Visual Storytelling	3
WEB 237	Emerging Technologies*	3
WEB 239	Introduction to Application Programming Interfaces (APIs)*	2
WEB 243	Search Engine Optimization*	1
WEB 245	Motion Graphics Tools*	1
WEB 292	Special Topics:*	1-3
WEB 294	Web Development and Digital Media Internship*	1

\* This course has registration requirements.

^ See all AAS general education electives (<https://catalog.jccc.edu/degree/requirements/associate-applied-science/>).