

# 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 web sites, 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. Course work 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, digital media specialists.

(Major Code 2030; State CIP Code 11.0801)

## Associate of Applied Science Degree

### First Semester

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
ENGL 121	Composition I*	3
IT 120	CompTIA A+ Practical Applications	3
<b>Total Hours</b>		<b>16</b>

### Second Semester (Web Development Option)

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 230	Asynchronous JavaScript and XML*	1
<b>Total Hours</b>		<b>14</b>

### Second Semester (Digital Media Option)

WEB 120	Web Analytics*	3
WEB 121	Digital Media Assets*	4
WEB 123	Content Management Systems Strategies*	1
WEB 124	Web Scripting: JavaScript II*	2
WEB 125	Digital Video Tools	1
WEB 126	Technical Interface Skills*	3
<b>Total Hours</b>		<b>14</b>

### Third Semester (Web Development Option)

WEB 232	Introduction to eXtensible Markup Language*	3
or WEB 234	Web Apps I*	
WEB 236	Content Management Systems Development*	3
WEB 238	Interactive Scripting: JQuery*	4
Humanities Elective ^		3
Health and/or Physical Education Elective ^		1
Science and/or Math Elective ^		3
<b>Total Hours</b>		<b>17</b>

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

**Third Semester (Digital Media Option)**

WEB 231	Experience Design*	4
WEB 233	Visual Storytelling	3
WEB 235	Digital Communications Technologies*	3
Science and/or Math Elective ^		3
Humanities Elective ^		3
Health and/or Physical Education Elective ^		1
<b>Total Hours</b>		<b>17</b>

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

**Fourth Semester (Web Development Option)**

Program Electives		5
NOTE: Program electives are any courses with WEB, CPCA, CDTP, CS, CIS, IT, GAME, ANI or HCIS prefix.		
WEB 240	HTML and CSS II*	3
or WEB 244	Web Apps II*	
WEB 290	Web Development and Digital Media Capstone*	3
ENGL 140	Writing for Interactive Media*	3
Social Science and/or Economics Elective ^		3
<b>Total Hours</b>		<b>17</b>

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

**Fourth Semester (Digital Media Option)**

Program Electives		2
NOTE: Program electives are any courses with WEB, CPCA, CDTP, CS, CIS, IT, GAME, ANI or HCIS prefix.		
WEB 241	Digital Management Methods*	4
WEB 243	Search Engine Optimization*	1
WEB 245	Motion Graphics Tools*	1
WEB 290	Web Development and Digital Media Capstone*	3
ENGL 140	Writing for Interactive Media*	3
Social Science and/or Economics Elective ^		3
<b>Total Hours</b>		<b>17</b>

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

**Total Program Hours: 64**