

## WEB DESIGN AND DEVELOPMENT

### Associate in Applied Science A.A.S.: Option 2: Web Design and Development Degree - Web Development

*This 61 credit-hour technical curriculum prepares students for various positions in the field of web development. Students will learn the technology behind today's Internet and website development protocols by producing professional web solutions and understanding the technical aspect of website development. Utilizing front-end design and back-end practices and programming, this degree path provides solid technology skills for an industry relevant experience.*

*This sequenced degree plan is one of two options that students may pursue to earn the Web Design and Development Associate in Applied Science (AAS) degree. While there are multiple specializations, this particular degree can be awarded only once.*

F = Fall only course S = Spring only course U = Summer only course

#### FIRST SEMESTER:

Number	Course Title	Credits	Course Category
CIS 106	Computer Logic and Programming Technology .....	3	Program Requirement
ENG 101	Composition .....	3	AAS General Education
GRA 101	Introduction to Graphic Arts Technology .....	3	Program Requirement
MTH 103	College Algebra <sup>1</sup> .....	3	AAS General Education
WEB 110	Internet Fundamentals .....	3	Program Requirement

#### SECOND SEMESTER:

Number	Course Title	Credits	Course Category
	AAS General Education elective+ .....	3	AAS General Education
CIS 143	Introduction to Database Systems .....	3	Program Requirement
ENG 102	Composition or		
SPE 101	Fundamentals of Speech Communication .....	3	AAS General Education
GRA 145	Wordpress and Mobile Technologies .....	3	Program Requirement
WEB 150	Web Foundations .....	3	Program Requirement

#### THIRD SEMESTER:

Number	Course Title	Credits	Course Category
	AAS General Education elective+ .....	3	AAS General Education
WEB 170	Web Graphics and Prototyping .....	3	Program Requirement
WEB 190	Web Authoring Tools <b>(F)</b> .....	3	Program Requirement
WEB 200	Web Scripting Foundations .....	3	Program Requirement
WEB 240	E-Commerce Strategies and Technologies <b>(F)</b> .....	3	Program Requirement

#### FOURTH SEMESTER:

Number	Course Title	Credits	Course Category
CSC 121	Computer Science I .....	4	Program Requirement
	Elective <sup>2</sup> .....	3	Program Requirement
WEB 210	Web Accessibility <b>(S)</b> .....	3	Program Requirement
WEB 235	Interactive Scripting <b>(S)</b> .....	3	Program Requirement
WEB 250	Server-Side Scripting <b>(S)</b> .....	3	Program Requirement

<sup>1</sup> If a student places higher than MTH 103, they need to take a 3 credit-hour AAS General Education elective. MTH 103 is required for CSC 121. See full list of [AAS General Education Electives](#).

+ At least one of the AAS General Education electives must meet the World Cultures and Diversity graduation requirement. See full list of [AAS General Education Electives](#).

<sup>2</sup> Electives: CIS 106, CIS 206 (S), CIS 216 (F), CSC 214, GRA 102, GRA 112, MKT 180, WEB 140, WEB 180, WEB 250 (S), WEB 285, WEB 299 (S).