

# WEB DEVELOPMENT, BASIC CERTIFICATE



College(s): DA, HW, KK, MX, OH, TR, WR

Program Code: 0152

The Web Development BC program prepares students for entry-level positions in website design and development. Students will learn various programming principles, languages and web technologies to effectively create and deploy dynamic websites. Students will also learn how to integrate web and database servers to increase the productivity and interactivity of a website. Potential job opportunities for students in this program include web designer, web developer, e-commerce manager, or web technician.

## Program Requirements

Code	Title	Hours
<b>Required Program Core</b>		
CIS 101	Computer Science 101	3
CIS 103	Fundamentals of Programming <sup>1</sup>	3
or CIS 144	Java Object Oriented Programming I	
CIS 113	Human-Computer Interaction	3
CIS 116	Operating System I	3
CIS 181	Web Development I/Basic Web Technologies	3
CIS 182	Web Development II/Client Side Scripting	3
<b>Total Hours</b>		<b>18</b>

<sup>1</sup> Students who intend to complete the Advanced Certificate and/or Associate in Applied Science degree in Web Development should take CIS 144 Java Object Oriented Programming I instead of CIS 103 Fundamentals of Programming, as CIS 144 Java Object Oriented Programming I is required for both the AC and AAS degree.

## Pathway

This is an **example course sequence** for students interested in Web Development. It does not represent a contract, nor does it guarantee

course availability. If this pathway is followed as outlined, you will earn a Basic Certificate (BC) in Web Development.

## Semester-by-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Course	Title	Hours
<b>Semester 1</b>		
CIS 101	Computer Science 101	3
CIS 116	Operating System I	3
CIS 181	Web Development I/Basic Web Technologies	3
<b>Hours</b>		<b>9</b>
<b>Semester 2</b>		
CIS 113	Human-Computer Interaction	3
CIS 182	Web Development II/Client Side Scripting	3
CIS 144	Java Object Oriented Programming I <sup>1</sup>	3
or CIS 103	or Fundamentals of Programming	
<b>Hours</b>		<b>9</b>
<b>Total Hours</b>		<b>18</b>

<sup>1</sup> Students in the Basic Certificate program may take CIS 103 Fundamentals of Programming or CIS 144 Java Object Oriented Programming I, but should take CIS 144 Java Object Oriented Programming I if they intend to complete the Advanced Certificate and/or Associate in Applied Science degree in Web Development, as CIS 144 Java Object Oriented Programming I is required for both the AC and AAS degree.

Choose your courses with your College Advisor.