

Computer Information Systems

Web Development



Business • Management • Marketing • Technology

Career Pathways

This associate of applied science degree with specialization in Web development is designed to train students as Web developers.

Job opportunities include:

- Entry-level Web development
- Entry-level Web programming
- Entry-level Web database programming

	Credits
Required General Education Courses:	19
ENGL 151 (English Composition I) or ENGL 101 (Written & Oral Communication)	3
ENGL 152 (English Composition II) or ENGL 102 (Business Writing)	3
¹ MATH	3
POLSC 151 (Introduction to Political Science)	3
² Science Elective	4
† CIS 130 (Introduction to Computer Information Systems)	3
Required Core Courses:	35-37
Core 1	
† ADMN 102 (Keyboarding)	1
CIS 112 (Database Software)	3
† CIS 132 (Intro to Computer Programming)	2
CIS 177 (Markup Languages)	3
Core 2	
CIS 152 (Visual Basic Programming)	3
CIS 179 (Web Script Programming)	3
CIS 272 (Database Web Development)	3
CIS 274 (Advanced Database Web Development with ASP.NET)	3
Choose 6 or 7 hours from the list below	6/7
CIS 150 (Computer Science I)	3
CIS 155 (Database Management Systems)	3
CIS 175 (Java Programming)	3
CIS 255 (Microsoft SQL)	4
Additional Required CIS electives	8 or 9
General Electives	5 or 6
Total Degree Requirements	60

Certificate Program: Web Development

This certificate program focuses on knowledge and skills for today's Web developers.

Required Courses:

† ADMN 102 (Keyboarding)	1
CIS 112 (Database Software)	3
† CIS 130 (Introduction to Computer Information Systems)	3
† CIS 132 (Introduction to Computer Programming)	2
CIS 152 (Visual Basic Programming)	3
CIS 177 (Markup Languages)	3
CIS 179 (Web Script Programming)	3
CIS 272 (Database Web Development)	3
CIS 274 (Advanced Database Web Development with ASP.NET)	3

Choose 6 or 7 hours from the following:

CIS 150 (Computer Science I)	3
CIS 155 (Database Management Systems)	3
CIS 175 (Java Programming)	3
CIS 255 (Microsoft SQL)	4

Total Degree Requirements

31

*To earn the computer programming database application development certificate with the Web development AAS, take CIS 150, CIS 155 and CIS 255 as your electives.

*To earn the computer programming application development certificate with the Web development AAS, take CIS 150, CIS 205 and any two of the following programming courses as your electives: CIS 175, CIS 250, CIS 252, CIS 266, CIS 267, CIS 268 or CIS 275.

*To earn the Web design certificate with the Web development AAS, take CIS 172, CIS 174, CIS 176, CIS 184, CIS 186 and either CIS 187 or CIS 189 as your electives.

† Tech Prep course. See page 14.

¹† BSMTH 101 (Business Mathematics) or †MATH 121 (Technical Mathematics I) or MATH 150 or higher. It is suggested that math be taken in the first semester.

² See the science alternatives listed on page 38.