

# WEB DEVELOPMENT, CERTIFICATE OF COMPLETION



**COMPUTER AND  
INFORMATION  
TECHNOLOGY**

## Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
<b>Required Courses</b>			
The following courses are required and included in the CCL in Web Foundations:			
CIS105	Survey of Computer Information Systems	3	_____
CIS120DF	Introduction to Adobe Photoshop	3	_____
CIS133DA	Internet/Web Development Level I	3	_____
CIS136	Content Management Systems: WordPress	3	_____
CIS166AA	Introduction to Javascript	3	_____
CIS233DA	Internet/Web Development Level II	3	_____
CIS235	E-Commerce	3	_____
The following courses are required for the CCL in Web Development:			
CIS166AE	Web Scripting with PHP: Hypertext Preprocessor (PHP)	3	_____
Select one of the following:		3	_____
CIS119DO	Introduction to Oracle: SQL		_____
CIS276++	Any Database Management Systems course		_____
CIS126DL	Linux Operating System	3	_____
or CIS126RH	Red Hat System Administration I		_____
<i>Programming Language</i>			
Select two of the following:		6	_____

CIS150AB	Object-Oriented Programming Fundamentals	_____
CIS156	Python Programming: Level I	_____
CIS159	Visual Basic Programming I	_____
CIS162++	Any C Programming course	_____
CIS163AA	Java Programming: Level I	_____
CIS165++	Any Mobile Application Development course	_____
CIS256	Python Programming Level II	_____
CIS262AD	C# Level II	_____
CIS263AA	Java Programming: Level II	_____
CIS265++	Any Advanced Application Development course	_____

### Restricted Electives

Students should select any course with a CIS prefix in consultation with their program advisor to further develop skills in the areas of Databases, Information Systems, Programming, and/or Operating Systems.	3	_____
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**Total Credits** **39** \_\_\_\_\_