

WEB DEVELOPMENT, CERTIFICATE OF COMPLETION



COMPUTER AND INFORMATION TECHNOLOGY

Certificate of Completion: CCL 5988

39 Credits

Program Contact

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Program Description

The Certificate of Completion (CCL) in Web Development prepares students to create and administer interactive and professional websites. The program provides students with knowledge and skills in developing dynamic websites, client and server side programs, database structures, and object-oriented design. A Certificate of Completion (CCL) in Web Design and an Associate in Applied Science (AAS) in Web Design/Development are also available.

Program Notes

Students must earn a grade of "C" or better in each course in the program. Overall program minimum GPA = 2.00.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

++ indicates any suffixed course may be selected.

Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
Required Courses			
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:			
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:			
CIS150AB	Object-Oriented Programming Fundamentals	6	_____
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			

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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	_____
Total Credits	39	_____