

Palomar College Catalog 2009-2010

Computer Science and Information Systems - Web Technology (CSWB)

See also CSIS - Computer Science, CSIS - Database, CSIS - Information Technology, and CSIS - Networking

Contact the Computer Science and Information Systems Department for further information.

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Office: ST 6

<http://www.palomar.edu/csib>

Certificates of Proficiency -

Certificate of Proficiency requirements are listed in Section 6 (green pages).

- Web Developer with Emphasis in Java/Open Source
- Web Developer with Emphasis in Windows
- Web Server Administrator with Emphasis in Linux
- Web Server Administrator with Emphasis in Windows

PROGRAMS OF STUDY

Web Developer with Emphasis in Java/Open Source

This program includes the Web page design and programming languages that allow a developer to build dynamic Web applications with emphasis in the Java/Open Source platform.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
CSWB 110/	
R CSIS 110 Web Site Development with XHTML	2
CSWB 120 JavaScript	3
CSWB 150 PHP with MySQL	3
CSWB 170 Java for Information Systems	3
CSWB 220 Advanced JavaScript and XML (AJAX)	3
Electives (Select 1 course)	
CSWB 130 Advanced Web Site Development	3
CSWB 160 Perl and CGI Scripting	3
CSWB 180 Python Programming	3
CSWB 270 Java Servlets and JSPs	3
CSDB 110 Introduction to SQL	3
CSDB 140 Introduction to Oracle	3
GCMW/	
R GCMW 102 Web Page Layout I	3
GCMW 140 Web Graphics	3
TOTAL UNITS	17

Web Developer with Emphasis in Windows

This program includes the Web page design and programming languages that allow a developer to build dynamic Web applications with emphasis in the Java/Open Source platform.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
CSWB 110/	
R CSIS 110 Web Site Development with XHTML	2
CSWB 120 JavaScript	3
CSWB 130 Advanced Web Site Development	3
CSWB 210 Active Server Pages	3
CSIT 180 C# Programming I	3
Electives (Select 1 course)	
CSWB 170 Java for Information Systems	3
CSWB 270 Java Servlets and JSPs	3
CSDB 220 SQL Server Programming	3

GCMW 102/		
R GCMW 102 Web Page Layout I		3
GCMW 140 Web Graphics		3
TOTAL UNITS		17

Web Server Administrator with Emphasis in Linux

This program includes the use and implementation of web-networked environments for the purpose of administering Internet/Intranet applications. Strong emphasis is placed on hands-on server administration, networking, supplemented with web development and design.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
CSWB 110/	
R CSIS 110 Web Site Development with XHTML	2
CSWB 160 Perl and CGI Scripting	3
CSCI 130 Linux Fundamentals	2
CSNT 140 Linux Administration	2
CSNT 141 Linux Networking and Security	2
Electives (Select 1 course)	
CSWB 290 Implementing and Administering Web Servers	2.5
CSCI 132 Linux Shell Scripting	2
GCMW 217 Online Store Design I	3
TOTAL UNITS	13 - 14

Web Server Administrator with Emphasis in Windows

This program includes the use and implementation of web-networked environments for the purpose of administering Internet/Intranet applications. Strong emphasis is placed on hands-on server administration, networking, supplemented with web development and design.

CERTIFICATE OF PROFICIENCY

Program Requirements	Units
CSWB 110/	
R CSIS 110 Web Site Development with XHTML	2
CSDB 210 SQL Server Administration	2
CSNT 120 Windows Client	3
CSNT 121 Windows Server	3
Electives (Select 1 course)	
CSWB 290 Implementing and Administering Web Servers	2.5
CSDB 220 SQL Programming	3
GCMW 217 Online Store Design I	3
TOTAL UNITS	12.5 - 13