

# WEB DESIGN, CERTIFICATE OF ACHIEVEMENT

- design and develop applications and scripts for the World Wide Web.
- provide programming and database management systems.

This program helps students design and develop applications and scripts for the World Wide Web (WWW). Web programmers need to be knowledgeable on a variety of Internet technologies (HTML, CSS, XML, JavaScript, Java, PHP, AJAX, and SQL), and database management system. They are chiefly responsible for providing the programming which makes web pages interactive or allows users to interact with back-end applications and databases. Web programmers are instrumental in making electronic commerce on the Internet possible.

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To obtain a Certificate of Achievement in Web Design, student must complete the following courses.

Course ID	Title	Units/ Hours
<b>Required Courses</b>		
CS M10DB	Database Management Systems and Applications	3
CS M10J	Introduction to Computer Programming Using Java	4
CS M10P	Introduction to Computer Programming using Python Language	4
CS M15W	Client-Side Web Development Using HTML/JavaScript	3
CS M16PH	Server-Side Development using PHP	3
<b>Total Hours</b>		<b>17</b>

Year 1		
Fall Semester		Units/Hours
CS M10DB	Database Management Systems and Applications	3
	<b>Units/Hours</b>	<b>3</b>
Spring Semester		
CS M10J	Introduction to Computer Programming Using Java	4
	<b>Units/Hours</b>	<b>4</b>
Year 2		
Fall Semester		Units/Hours
CS M10P	Introduction to Computer Programming using Python Language	4
CS M15W	Client-Side Web Development Using HTML/JavaScript	3
	<b>Units/Hours</b>	<b>7</b>
Spring Semester		
CS M16PH	Server-Side Development using PHP	3
	<b>Units/Hours</b>	<b>3</b>
	<b>Total Units/Hours</b>	<b>17</b>

Upon successful completion of this program, students will be able to: