

# CIS PROFESSIONAL CERTIFICATE IN WEB PROGRAMMING

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## Business Division

### Certificate E0713

The CIS Professional Certificate in Web Programming provides students the programming skills to create effective web pages and web sites.

The certificate offers a balanced set of classes that prepares students to design, debug and implement both client-side and server-side web programs. Emphasis is placed on acquiring programming skills in various web programming, scripting or markup languages such as JavaScript, HTML, DHTML, XHTML, XML, CSS, ASP.NET, AJAX, SQL and Perl.

Students will also learn to configure and install an Apache web server in a Linux or Windows system and access a MySQL database using PHP programs. Opportunities available after the completion of this certificate include web programming or web and database server administration.

## Required Courses

Course Prefix	Course Name	Units
CISW 17	HTML, CSS, and JavaScript Programming	3
CISW 31	Secure Web Servers	3
CISW 31L	Secure Web Servers Laboratory	0.5
Choose one of the following combinations:		3.5
CISW 21 & 21L	Secure Web Programming with ASP.NET and Secure Web Programming with ASP.NET Laboratory	
CISW 24 & 24L	Secure Server Side Web Programming and Secure Server Side Web Programming Laboratory	
Total Units		10

CIS Program Website (<http://www.mtsac.edu/cis>)

## Program Learning Outcomes

*Upon successful completion of this program, a student will:*

- Know how to install and configure a secure web server.
- Know how to access a database from a program in a web server.

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.