

Computer Science - Web Development Certificate

Certificate of Mastery

Minimum of 27 Credit Hours

The Certificate of Mastery in Web Development is a course of study designed to teach the technical elements of web site creation. The program focuses on core courses that are directly related to the attainment of entry-level skills and knowledge. It includes topics such as database, security, programming, client-side scripting, and server-side scripting. It can be a stepping stone for those interested in continuing their studies in this field. Additional courses can be taken to earn a Web Design Certificate and eventually an A.A.S in Web Design and Development.

This certificate is designed for first time students, current Computer Science or Computer-Aided Technology students who want to enhance their skill set by adding a web component, as well as college graduates or individuals from business and industry who desire to add credentials.

Course #	Course Name	Credits	Type	Prerequisites
<i>Suggested Freshman 1st Semester</i>				
CS 1103	(C)(1) INTRODUCTION TO COMPUTERS AND APPLICATIONS	3	Major	(R)
CS 1143	(C) BEGINNING PROGRAMMING	3	Major	(R) (W) (M) or Evaluation by Instructor
CS 2413	(C) WEB SITE DEVELOPMENT	3	Major	(R) (W), CS 1103 or Evaluation by Instructor
<i>Suggested Freshman 2nd Semester</i>				
CS 1333	(C) DATABASE MANAGEMENT APPLICATIONS --OR--		Major	(R)
CS 2173	(C) ORACLE --OR--		Major	(R) (W) (M), CS 1143 or Evaluation by Instructor
CS 2443	(C) SQL SERVER	3	Major	(R) (W) (M), CS 1143 or Evaluation by Instructor
CS 2163	(C) JAVA --OR--		Major	(R) (W) (M), CS 1143 or Evaluation by Instructor
CS 2453	(C) VISUAL BASIC	3	Major	(R) (W) (M), CS 1143 or Evaluation by Instructor
CS 2623	(C) SERVER-SIDE PROGRAMMING	3	Major	(R) (W) (M), CS 1143 and CS 2413 or Evaluation by Instructor
<i>Suggested Sophomore 1st Semester</i>				
CS 2183	(C) LINUX	3	Major	(R) CS 1143 or Evaluation by Instructor
CS 2513	(C) CLIENT-SIDE PROGRAMMING	3	Major	(R) (W) (M), CS 1143 and CS 2413 or Evaluation by Instructor
CS 2723	(C) SECURE ELECTRONIC COMMERCE	3	Major	(R) (W) (M)

Major Courses: (27 Credit Hours) Computer Science: (C)CS 1103; (C)CS 1143; (C)CS 1333 or (C)CS 2173 or (C)CS 2443; (C)CS 2183; (C)CS 2413; (C)CS 2163 or (C)CS 2453; (C)CS 2513; (C)CS 2623; (C)CS 2723.

Notes: A Certificate of Mastery program is designed to meet the needs of an individual who wants to enter the job market following the completion of the certificate.

(1) Advanced Standing is available

(C) A grade of "C" or higher must be achieved.