WEB TECHNOLOGIES
A.A.S. Program (A25290)

Courses required to meet graduation requirements in this curriculum are offered during the day and online. Minimum time for completion: Day – five semesters full-time attendance. The Associate in Applied Science degree is awarded graduates of this curriculum.

The Web Technologies curriculum prepares graduates for careers in the information technology arena using computers and distributed computing to disseminate and collect information via the web. Coursework in this program covers the terminology and use of computers, network devices, networks, servers, databases, applications, programming languages, as well as web applications, site development, and design. Studies will provide opportunity for students to learn related industry standards. Graduates should qualify for career opportunities as designers, administrators, or developers in the areas of web applications, websites, web services, and related areas of distributed computing.

GENERAL EDUCATION COURSES: SHC

English/Communications:
ENG 111 Writing and Inquiry .................................................................3
ENG 114 Prof Research & Reporting .....................................................3
OR ENG 113 Literature-Based Research .................................................3

Humanities/Fine Arts:
Elective .................................................................................................3

Natural Sciences/Mathematics:
MAT 143 Quantitative Literacy .............................................................3

Social/Behavioral Sciences:
Elective .................................................................................................3

MAJOR COURSES:
CIS 110 Introduction to Computers .......................................................3
CIS 115 Intro to Prog & Logic .................................................................3
CTS 115 Info Sys Business Concepts ......................................................3
DBA 110 Database Concepts .................................................................3
NET 125 Networking Basics .................................................................3
NOS 110 Operating Systems Concepts ..................................................3
SEC 110 Security Concepts .................................................................3
WEB 110 Internet/Web Fundamentals .....................................................3
WEB 115 Web Markup and Scripting .....................................................3
WEB 120 Intro Internet Multimedia .......................................................3
WEB 140 Web Development Tools .......................................................3
WEB 210 Web Design ............................................................................3
WEB 230 Implementing Web Serv .........................................................3
WEB 250 Database Driven Websites .....................................................3
WEB 289 Internet Technologies Project ................................................3
WEB XXX Work-Based Learning ..........................................................2

Program/WEB Industry Elective ..........................................................3

Students are required to take one (1) course from the following:
BUS 230 Small Business Management ...............................................3
CSC 151 JAVA Programming ...............................................................3
MKT 120 Principles of Marketing .........................................................3
MKT 225 Customer Service .................................................................3
SGD 111 Introduction to SGD ............................................................3
SGD 112 SGD Design ...........................................................................3
SGD 114 3D Modeling ...........................................................................3
WEB 180 Active Server Pages ..............................................................3
WEB 186 XML Technology .................................................................3
WEB 260 E-Commerce Infrastructure ....................................................3

WEB Technologies Elective .................................................................3

Students are required to take one (1) course from the following:
WEB 111 Intro to Web Graphics ............................................................3
WEB 151 Mobile Application Dev .........................................................3
WEB 220 Advanced Multimedia ..........................................................3
WEB 240 Internet Security .................................................................3

OR ENG 113 Literature-Based Research .................................................3

Humanities/Fine Arts Elective .................................................................3

Social/Behavioral Science Elective .........................................................3

Elective ................................................................................................3

Total Credit Hours Required ..............................................................69

DEVELOPMENTAL COURSE REQUIREMENTS*

CTS 080 Computing Fundamentals .......................................................3
DRE 098 Integrated Reading Writing III .................................................3
DMA DMA 010, DMA 020, DMA 030, DMA 040, DMA 050 .................5

*Developmental coursework (including all prerequisites) will be required of students whose placement test scores indicate a need for greater proficiency in the areas of reading, English, mathematics, and computers. Please refer to the Course Descriptions section for prerequisite course information.
## Basic Web Developer • Certificate Program (C25290)

### MAJOR COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSC 151</td>
<td>JAVA Programming</td>
<td>3</td>
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<tr>
<td>WEB 110</td>
<td>Internet/Web Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>WEB 120</td>
<td>Intro Internet Multimedia</td>
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<td>WEB 140</td>
<td>Web Development Tools</td>
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Total Credit Hours Required: 12

### Suggested Sequence

**Fall – 1st year**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Lab</th>
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<td>CSC 151</td>
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Total: 4 5 0 6

**Spring – 1st year**

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Total: 4 4 0 6

Grand Total: 8 9 0 12

## Web Technologies • Webmaster Certificate • C2529001

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<td>WEB 115</td>
<td>Web Markup and Scripting</td>
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<td>WEB 210</td>
<td>Web Design</td>
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Total Credit Hours Required: 12

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Total: 4 4 0 6

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Total: 5 2 0 6

Grand Total: 9 6 0 12