Curriculum Program Title | Web Technologies
---|---
Concentration | (not applicable)

Program Code | A25290
CIP Code | 11.0401

Current Curriculum Program Title | Web Technologies
---|---
Program Code | A25290
CIP Code | 11.0401

Curriculum Description

The Web Technologies curriculum prepares graduates for careers in the information technology arena using computers and mobile devices to disseminate and collect information via the Internet.

Course work in this program covers the terminology and use of computers, Internet-ready devices, servers, databases, programming languages, as well as Internet 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 Internet and mobile applications, websites, web services, and related areas of Internet technologies.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.97 (3)]

I. General Education. Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

II. Major Hours. AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. (See second page for additional information.)

III. Other Required Hours. A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

<table>
<thead>
<tr>
<th></th>
<th>AAS</th>
<th>Diploma</th>
<th>Certificate</th>
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<tbody>
<tr>
<td>Minimum General Education Hours</td>
<td>15</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Minimum Major Hours</td>
<td>49</td>
<td>30</td>
<td>12</td>
</tr>
<tr>
<td>Other Required Hours</td>
<td>0-7</td>
<td>0-4</td>
<td>0-1</td>
</tr>
<tr>
<td>Total Semester Hours Credit (SHC)</td>
<td>64-76</td>
<td>36-48</td>
<td>12-18</td>
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*Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.
Major Hours
[ref. 1D SBCCC 400.97 (3)]

A. **Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.

B. **Concentration.** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.

C. **Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Web Technologies A25290

<table>
<thead>
<tr>
<th>Minimum Major Hours Required</th>
<th>AAS</th>
<th>Diploma</th>
<th>Certificate</th>
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<tbody>
<tr>
<td><strong>A. CORE</strong></td>
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<tr>
<td>A diploma offered under this AAS degree requires a minimum of 12 SHC extracted from the required subject/course core of the AAS degree.</td>
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</tbody>
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**Required Courses:**

- CIS 115 Intro to Programming and Logic 3 SHC
- DBA 110 Database Concepts 3 SHC
- WEB 110 Internet/Web Fundamentals 3 SHC
- WEB 115 Web Markup and Scripting 3 SHC
- WEB 210 Web Design 3 SHC
- WEB 250 Database Driven Websites 3 SHC

Select Additional 9 SHC from WEB courses 9 SHC

**Required Subject Areas:**

**Business/IT Project Management. Select one:**

- BUS 110 Introduction to Business 3 SHC
- BUS 137 Principles of Management 3 SHC
- BUS 151 People Skills 3 SHC
- BUS 280 REAL Small Business 4 SHC
- CTS 115 Info Sys Business Concepts 3 SHC
- CTS 240 Project Management 3 SHC
- ETR 210 Intro to Entrepreneurship 3 SHC

**Networking/Security Concepts. Select one:**

- NET 110 Networking Concepts 3 SHC
- NET 125 Networking Basics 3 SHC
- SEC 110 Security Concepts 3 SHC
- WEB 240 Internet Security 3 SHC

Web Development/Multimedia. Select one:

- DME 110 Intro to Digital Media 3 SHC
- WEB 120 Intro to Internet Multimedia 3 SHC
- WEB 140 Web Development Tools 3 SHC

B. **CONCENTRATION** *(Not applicable)*

C. **OTHER MAJOR HOURS**

To be selected from the following prefixes: ACC, BUS, CCT, CJC, CIS, CSC, CTI, CTS, DBA, DFT, DME, ECM, ETR, GIS, GRA, GRD, ITN, MKT, NET, NOS, OMT, OST, PHO, SEC, SGD, WBL, and WEB

Up to two semester hour credits may be selected from ACA.

Up to three semester hour credits may be selected from the following prefixes: ARA, ASL, CHI, FRE, GER, ITA, JPN, LAT, POR, RUS and SPA.