



NORTH CAROLINA COMMUNITY COLLEGE SYSTEM
Dr. R. Scott Ralls, President

November 23, 2011

MEMORANDUM

TO: Presidents
Chief Academic Officers

FROM: Sharon E. Morrissey
Senior Vice President and Chief Academic Officer

SUBJECT: State Board Action on November 18, 2011
Curriculum Standard Revision

On November 18, 2011, the State Board of Community Colleges approved the requested revisions to the following curriculum standard:

Web Technologies (A25290)

Please be aware that you must implement the revised standard no later than one year after the effective term. You must update your college's electronic program of study and receive approval from the System Office prior to implementation of the revised program.

If you have any questions concerning the State Board action item, please contact Ms. Jennifer Frazelle at 919.807.7120 or frazellej@nccommunitycolleges.edu. The revised standard is attached for your convenience. You may view all curriculum standards and courses by visiting the Programs website at:

<http://www.nccommunitycolleges.edu/Programs/index.html>

SEM/JF/gr
Attachment

c: Mr. Van Wilson
Ms. Elizabeth Self
Ms. Jennifer Frazelle
Program Coordinators

CC11-032
Email

CURRICULUM STANDARD

Effective Term
Spring 2012
[2012*01]

Curriculum Program Title

Web Technologies

Code

A25290

Concentration

(not applicable)

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 23 NCAC 02E.0204 (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 experience, including cooperative education, practicums, and internships, 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.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

**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. 23 NCAC 02E.0204 (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 experience, including cooperative education, practicums, and internships, 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

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE <i>A diploma offered under this AAS degree requires a minimum of 12 SHC extracted from the required subject/course core of the AAS degree.</i> 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 Internet Multimedia 3 SHC WEB 140 Web Development Tools 3 SHC	36-37 SHC	12 SHC	
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes: ACC, BUS, CCT, CJC, CIS, COE, CSC, CTI, CTS, DBA, DFT, DME, ECM, ETR, GIS, GRA, GRD, ITN, MKT, NET, NOS, OST, SEC, SGD, and WEB</i> <i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i>			