



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

September 19, 2011

MEMORANDUM

TO: Presidents
Chief Academic Officers

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

SUBJECT: State Board Action on September 16, 2011
Curriculum Standard Revision

On September 16, 2011, the State Board of Community Colleges approved the requested revisions to the following curriculum standard:

Construction Management Technology (A35190)

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

CC11-024
Email

CURRICULUM STANDARD

Effective Term
Spring 2012
[2012*01]

Curriculum Program Title

Construction Management Technology

Code

A35190

Concentration

(not applicable)

Curriculum Description

This curriculum is designed to prepare individuals for careers in the construction management field. Such positions may include project manager, superintendent, estimator, or foreman.

Course work includes safety, planning, scheduling, cost control, productivity, human relations, estimating, and building codes. Students will also gain proficiency in specific construction related skills.

Graduates should qualify for entry-level positions in the field of construction management.

*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** (if applicable). 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.

Construction Management Technology A35190

	AAS	Diploma	Certificate																																																																				
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC																																																																				
<p>A. CORE <i>Courses required for a diploma are marked with *</i> Required Courses:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">*</td><td style="width: 15%;">BPR 130</td><td style="width: 60%;">Blueprint Reading/Construction</td><td style="width: 20%; text-align: right;">2 SHC</td></tr> <tr><td>*</td><td>CMT 210</td><td>Professional Construction Supervision</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>*</td><td>CMT 212</td><td>Total Safety Performance</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>*</td><td>CMT 214</td><td>Planning and Scheduling</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>*</td><td>CMT 216</td><td>Cost and Productivity</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>*</td><td>CMT 218</td><td>Human Relations Issues</td><td style="text-align: right;">3 SHC</td></tr> </table> <p>Required Subject Areas:</p> <p>*Estimating. Select 2-3 SHC:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;"></td><td style="width: 15%;">CAR 115</td><td style="width: 60%;">Residential Planning/Estimating</td><td style="width: 20%; text-align: right;">3 SHC</td></tr> <tr><td></td><td>CST 241</td><td>Planning/Estimating I</td><td style="text-align: right;">3 SHC</td></tr> <tr><td></td><td>ELC 121</td><td>Electrical Estimating</td><td style="text-align: right;">2 SHC</td></tr> <tr><td></td><td>PLU 160</td><td>Plumbing Estimating</td><td style="text-align: right;">2 SHC</td></tr> </table> <p>*Advanced Estimating. Select 3-4 SHC:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;"></td><td style="width: 15%;">CIV 230</td><td style="width: 60%;">Construction Estimating</td><td style="width: 20%; text-align: right;">3 SHC</td></tr> <tr><td></td><td>CST 242</td><td>Planning/Estimating II</td><td style="text-align: right;">4 SHC</td></tr> </table> <p>*Accounting/Business. Select either Accounting or Business.</p> <p>Accounting. Select 3-4 SHC:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;"></td><td style="width: 15%;">ACC 111</td><td style="width: 60%;">Financial Accounting</td><td style="width: 20%; text-align: right;">3 SHC</td></tr> <tr><td></td><td>ACC 115</td><td>College Accounting</td><td style="text-align: right;">4 SHC</td></tr> <tr><td></td><td>ACC 120</td><td>Prin of Financial Acct</td><td style="text-align: right;">4 SHC</td></tr> </table> <p>Business. Select 6 SHC:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;"></td><td style="width: 15%;">BUS 139</td><td style="width: 60%;">Entrepreneurship I</td><td style="width: 20%; text-align: right;">3 SHC <i>and</i></td></tr> <tr><td></td><td>BUS 230</td><td>Small Business Management</td><td style="text-align: right;">3 SHC</td></tr> </table>	*	BPR 130	Blueprint Reading/Construction	2 SHC	*	CMT 210	Professional Construction Supervision	3 SHC	*	CMT 212	Total Safety Performance	3 SHC	*	CMT 214	Planning and Scheduling	3 SHC	*	CMT 216	Cost and Productivity	3 SHC	*	CMT 218	Human Relations Issues	3 SHC		CAR 115	Residential Planning/Estimating	3 SHC		CST 241	Planning/Estimating I	3 SHC		ELC 121	Electrical Estimating	2 SHC		PLU 160	Plumbing Estimating	2 SHC		CIV 230	Construction Estimating	3 SHC		CST 242	Planning/Estimating II	4 SHC		ACC 111	Financial Accounting	3 SHC		ACC 115	College Accounting	4 SHC		ACC 120	Prin of Financial Acct	4 SHC		BUS 139	Entrepreneurship I	3 SHC <i>and</i>		BUS 230	Small Business Management	3 SHC	25-30 SHC	25-30 SHC	
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B. CONCENTRATION (Not applicable)																																																																							
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i>																																																																							

ACC, AHR, ALT, ARC, BPR, BUS, CAR, CIS, CIV, CMT, COE, CSC, CST, DFT, EGR, ELC, MAS, PLU, REF, SPA, SRV, SST, WLD, and WOL

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.