



**NORTH CAROLINA COMMUNITY COLLEGE SYSTEM**

*Dr. R. Scott Ralls, President*

July 24, 2008

**RESPONSE DEADLINE: August 7, 2008**

**MEMORANDUM**

TO: Select Chief Academic Officers

FROM: Delores A. Parker  
Senior Vice President  
Chief Academic Officer

SUBJECT: Requested Revision in Combined Course Library Course (SRV 110) and  
Requested Curriculum Standard Revision (A40380)

The System Office has received a request to revise the following course contained in the Combined Course Library:

**SRV 110 Surveying I**

The System Office has also received a related request to revise the following curriculum standard:

**Surveying Technology (A40380)**

Attached are two separate forms requesting your approval or disapproval of each of the proposed changes. ***Please complete and return the forms to Frank Scuiletti by August 7, 2008.*** You may fax your responses to (919) 807-7164. Once the responses have been received at the System Office, the course-revision request will be presented to the Curriculum Review Committee (CRC) at its September 2008 meeting for action, and the standard-revision request will be presented to the State Board for action after the CRC meets. If approved, the changes will be effective Fall 2009.

Thank you for your prompt attention to this matter. If you have questions, please contact Frank Scuiletti at (919) 807-7114 or [scuilettif@nccommunitycolleges.edu](mailto:scuilettif@nccommunitycolleges.edu).

DAP/FS/swj

Attachments

c: Select Presidents  
Judith C. Mann  
Tracy McPherson  
Frank Scuiletti

S08-045  
Email

**College Recommendation – Reply Form (Please Return By August 7, 2008)**  
Course Revision Request  
**SRV 110 Surveying I**

**Current Course Information:**

<b>SRV 110</b>	<b>Surveying I</b>	2	6	4
Prerequisites:	(ARC 111 or EGR 115) and (MAT 121 or MAT 161 or MAT 171 or MAT 175)			
Corequisites:	None			

This course introduces the theory and practice of plane surveying. Topics include measuring distances and angles, differential and profile leveling, compass applications, topography, and mapping. Upon completion, students should be able to use/care for surveying instruments, demonstrate field note techniques, and apply the theory and practice of plane surveying.

**Proposed Revisions to Prerequisites & Corequisites:**

Prerequisites: *Change to "None"*  
Corequisites: *Change to "MAT 121 or MAT 161 or MAT 171 or MAT 175"*

**Rationale of Requesting College:** *EGR 115 Intro to Technology* and *ARC 111 Intro to Arch Technology* are not necessary as prerequisites for student success in *SVR 110 Surveying I*. In addition, the current MAT prerequisites can serve students equally well as corequisites, allowing students exposure to essential mathematical concepts while at the same allowing for immediate application of concepts in SRV 110.

\_\_\_\_\_ We have reviewed the proposed change and **recommend** the adoption of this change for **SRV 110** for the following reasons(s):

\_\_\_\_\_ We concur with the rationale of the requesting college

\_\_\_\_\_ Other: \_\_\_\_\_

\_\_\_\_\_ We have reviewed the proposed change and **do not recommend** the adoption of this change for **SRV 110** for the following reason(s):

\_\_\_\_\_ We do not offer **SRV 110** and wish to decline from making a recommendation.

**College:** \_\_\_\_\_

**Signature of President:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Please return this form to:

Frank Scuietti, Coordinator  
Program Services  
NC Community College System  
5016 Mail Service Center  
Raleigh, NC 27699-5016  
**Fax Number: (919) 807-7164**

**College Recommendation  
Reply Form – Please Return By August 7, 2008**  
(Fax Number: 919-807-7164)

**Curriculum Standard Revision Request:  
Surveying Technology (A40380)**

**Proposed Revision:**

- Remove ARC 111 Intro to Arch Technology and EGR 115 Intro to Technology from the Required Subject Area of the core.
- Change the core hours from 32-33 SHC to 29-30 SHC.

**Rationale of Requesting College:** Advisory Committee and instructor feedback has confirmed that EGR 115 and ARC 111 are not necessary for student success in Surveying Technology courses. Competencies found in EGR 115 are interspersed throughout the Surveying Technology curriculum. ARC 111 is an architectural course, not a Surveying course.

**Please indicate your recommendation below (check one):**

\_\_\_\_\_ We have reviewed the proposed revision and **recommend** adoption.

\_\_\_\_\_ We have reviewed the proposed revision and **do not recommend** adoption for the following reason(s):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ We do not offer this program and wish to decline from making a recommendation.

**College:** \_\_\_\_\_

**Signature of President:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Please return this form to:

Frank Scuietti, Coordinator  
Program Services  
NC Community College System  
5016 Mail Service Center  
Raleigh, NC 27699-5016  
**Fax Number: (919) 807-7164**

Curriculum Program Title	<b>Surveying Technology</b>	Code	<b>A40380</b>
Concentration	<b>(not applicable)</b>		

***Curriculum Description***

The Surveying Technology curriculum provides training for technicians in the many areas of surveying. Surveyors are involved in land surveying, route surveying, construction surveying, photogrammetry, mapping, global positioning systems, geographical information systems, and other areas of property description and measurements.

Course work includes the communication and computational skills required for boundary, construction, route, and control surveying, photogrammetry, topography, drainage, surveying law, and subdivision design, with emphasis upon applications of electronic data collection and related software including CAD.

Graduates should qualify for jobs as survey party chief, instrument person, surveying technician, highway surveyor, mapper, GPS technician, and CAD operator. Graduates will be prepared to pursue the requirements necessary to become a Registered Land Surveyor in North Carolina.

***Curriculum Requirements\****

- 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.

	<b>AAS</b>	<b>Diploma</b>	<b>Certificate</b>
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
<b>Total Semester Hours Credit in Program</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

*\*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.*

# Proposed

# Major Hours

- 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.

## Surveying Technology A40380

	AAS	Diploma	Certificate
<b>Minimum Major Hours Required</b>	<b>49 SHC</b>	<b>30 SHC</b>	<b>12 SHC</b>
<b>A. CORE</b>	<del>32-33 SHC</del> <b>29-30 SHC</b>	<b>NR</b>	
<b>Required Courses:</b> CIV 211 Hydraulics and Hydrology 3 SHC SRV 110 Surveying I 4 SHC SRV 111 Surveying II 4 SHC SRV 210 Surveying III 4 SHC SRV 220 Surveying Law 3 SHC SRV 230 Subdivision Planning 3 SHC SRV 240 Topo/Site Surveying 4 SHC  <b>Required Subject Areas:</b> <b>Statics &amp; Strength of Materials. Select one:</b> CIV 110 Statics/Strength of Materials 4 SHC MEC 250 Statics & Strength of Materials 5 SHC  <del><b>Intro to Technology. Select one:</b></del> <del>ARC 111 Intro to Arch Technology 3 SHC</del> <del>EGR 115 Intro to Technology 3 SHC</del>			
<b>B. CONCENTRATION</b> (Not applicable)			
<b>C. OTHER MAJOR HOURS</b> <i>To be selected from the following prefixes:</i>  CIS, CIV, COE, CSC, DFT, EGR, GIS, MAT, MEC, PHY, and SRV  <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>			