



**NORTH CAROLINA COMMUNITY COLLEGE SYSTEM**  
*H. Martin Lancaster, President*

January 25, 2007

**RESPONSE DEADLINE: February 15, 2007**

**MEMORANDUM**

**TO:** Select Vice Presidents of Instruction

**FROM:** Delores A. Parker, Vice President  
Academic and Student Services

**SUBJECT:** Revision of Network Technology (A25340) Curriculum Standard

The System Office has received a request to revise the curriculum standard for the Network Technology (A25340) program.

Revisions to Network Technology (A25340) standard include adding the following courses to subject areas within the core:

TNE 111 Campus Networks I  
TNE 231 Data Communications over WAN  
TNE 245 Network Perimeter Security

Note: Adding these three additional courses do not increase the total core hours of the program. This revision provides flexibility by allowing colleges to choose courses within the various subject areas.

Please review the proposed revisions. ***Please complete and return the attached form to Carolyn J. Snell by February 15, 2007.*** You may fax your response to (919) 807-7164. Once the responses have been received at the System Office, the request will be presented to the State Board of Community Colleges for future action at their March 2007 meeting.

Thank you for your prompt attention to this matter. If you have questions, please contact Carolyn J. Snell at (919) 807-7116 or [snellc@ncccommunitycolleges.edu](mailto:snellc@ncccommunitycolleges.edu).

DAP/CS/swj

Attachments

c: Select Presidents

Dr. Judith C. Mann

Ms. Jennifer Frazelle

Ms. Carolyn J. Snell

SO7-004

Email

**College Recommendation**  
Curriculum Standard Revision  
**Network Technology (A25340)**

**Current Network Technology (A25340) curriculum standard:**

(See attached standard)

**Proposed Network Technology (A25340) curriculum standard:**

(See attached standard)

**Rationale: In addition to a traditional Networking Technology program, the strong presence of telecommunication companies require a unique skill set. This change will provide the diverse telecommunication companies with a more knowledgeable and skilled employee. The new telecommunications and network engineering technician must be able to understand, troubleshoot and reconfigure the equipment provided by multiple vendors.**

We have reviewed the proposed revisions to the standard and **recommend** the adoption of this change for **Networking Technology (A25340)** the following reasons(s):

\_\_\_\_\_

We concur with the rationale.

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

We have reviewed the proposed standard revisions and **do not recommend** the adoption of this change for **Networking Technology (A25340)** for the following reason(s):

\_\_\_\_\_

\_\_\_\_\_

We do not offer **Networking Technology (A25340)** and wish to decline from making a recommendation.

\_\_\_\_\_

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

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

Please return this form by **February 15, 2007** to: Carolyn J. Snell, Coordinator  
Business Technologies  
NC Community College System  
5016 Mail Service Center  
Raleigh, NC 27699-5016  
Fax Number: (919) 807-7164

Curriculum Program Title

Networking Technology

Code

A25340

Concentration

(not applicable)

### ***Curriculum Description***

The Networking Technology curriculum prepares individuals for employment supporting network infrastructure environments. Students will learn how to use technologies to provide reliable transmission and delivery of data, voice, image, and video communications in business, industry, and education.

Course work includes design, installation, configuration, and management of network infrastructure technologies and network operating systems. Emphasis is placed on the implementation and management of network software and the implementation and management of hardware such as switches and routers.

Graduates may find employment in entry-level jobs as local area network managers, network operators, network analysts, and network technicians. Graduates may also be qualified to take certification examinations for various network industry certifications, depending on their local program.

### ***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 a degree or diploma program up to a maximum of 8 semester hours and in a certificate program up to a maximum of 2 semester hours. (*see back of page for Major Hours requirements*)
- III. **Other Required Hours.** A college may require other subjects or courses to complete graduation requirements. These requirements may include electives, orientation, study skills courses, or other graduation requirements.

	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
<b>Total Semester Hours Credit in Program</b>	<b>64-76</b>	<b>36-48</b>	<b>12-18</b>

**Major Hours**

<p>A. <b>Core.</b> 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.</p> <p>B. <b>Concentration</b> (<i>if applicable</i>). 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.</p> <p>C. <b>Other Major Hours.</b> Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours 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 degree and diploma curriculum programs up to a maximum of 8 semester hours credit and in certificate programs up to a maximum of 2 semester hours credit.</p>																																																												
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Curriculum Program Title	<b>Networking Technology</b>	Code	<u>A25340</u>
Concentration	<b>(not applicable)</b>		

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# PROPOSED

## *Major Hours*

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