CURRICULUM STANDARD

Effective Term
Fall 1997
*[1997*03]*

Curriculum Program Title: **Electric Lineman Technology** Code: **A35210**

Concentration: **(not applicable)**

Curriculum Description

The Electric Lineman Technology curriculum prepares individuals to work as linemen in the preparation and repair of rural electrical utility service. Students will combine electrical theory with laboratory and practical applications in the course of study.

Students will be expected to master competencies such as those included in elements of electricity, overhead pole and electrical line construction, safety codes and applications, electric power system, transformer and meter installations, and exploration of underground electrical distribution.

Upon successful completion of the program, individuals will receive the Associate of Applied Science degree and will possess the necessary skills for employment in the dynamic electrical utility field.

*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.

Electrical Lineman Technology A35210

	AAS	Diploma	Certificate
Minimum Major Hours Required	**49 SHC**	**30 SHC**	**12 SHC**
A. CORE	**29-31 SHC**		
Required Courses:			
ELC 231 Electric Power Systems — 4 SHC			
ELC 233 Energy Management — 3 SHC			
ELT 111 Intro to Electric Lineman — 2 SHC			
ELT 112 National Elec Safety Code — 3 SHC			
ELT 114 Overhead Line Const I — 2 SHC			
ELT 115 Overhead Line Const II — 2 SHC			
ELT 116 Overhead Line Const III — 2 SHC			
ELT 117 Overhead Line Const IV — 2 SHC			
ELT 211 Underground Line Const I — 2 SHC			
ELT 212 Underground Line Const II — 2 SHC			
ELT 221 Advanced Line Const — 2 SHC			
Required Subject Areas:			
Basic Electricity. ***Select 3-5 SHC:***			
ELC 111 Intro to Electricity — 3 SHC			
ELC 112 DC/AC Electricity — 5 SHC			
B. CONCENTRATION *(Not applicable)*			
C. OTHER MAJOR HOURS *To be selected from the following prefixes:* CIS, COE, CSC, ELC, ELT, and HEA *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.*			

Approved by the State Board of Community Colleges on July 18, 1997; Corrected 02/8/01; SBCC Revised 05/17/02; CRC Revised-Electronic Only 09/20/06; SBCC Revised 09/21/07; SBCC Template Revised 10/17/08.