

Telecommunications Installation and Maintenance
Credential: Certificate in Telecommunications
Installation and Maintenance
C5038000

The Telecommunications Installation and Maintenance curriculum prepares individuals for jobs in the telecommunications industry. It provides fundamental training for new students and provides upgrade training for current employees of telecommunications companies. Course work includes basic electricity, cable splicing, fiber optics, LAN-copper, cable fault location and repair, central office administration and other related topics. Emphasis is placed on hands-on installation and maintenance training. A graduate should be prepared to work in the telecommunications industry in outside plant operations, on central office equipment, and on business communication equipment.

Entrance Standards: See General Admission Standards on page 6.

Academic Standards: See General Academic Standards on page 16.

Program Length: 1 semester

Career Pathway Options: Certificate in Telecommunications Installation and Maintenance

Program Sites: N. C. School of Telecommunications - Day

Course Requirements for Telecommunications Installation and Maintenance Certificate

Required Major Courses (15 SHC)		C-L-SHC
TEL 100	Telecommunication Basic Electricity	3-0-3
TEL 105	Fiber Optics: OSP	0-2-1
TEL 106	Fiber Optics: LAN	0-2-1
TEL 108	Comdial Key Systems	0-2-1
TEL 200	LAN: Copper	0-2-1
	OR	
TEL 206	Installer Level 1 Cabling	1-2-2
TEL 201	Station Installation and Repair	1-2-2
TEL 202	Cable Splicing	1-2-2
TEL 203	Cable Fault Location	0-2-1
TEL 205	Digital Central Office Administration	1-2-2
TEL 209	ADSL Installation	0-2-1

Total Semester Hours Credit required for graduation: 15

Semester Curriculum for Telecommunications Installation and Maintenance Certificate

1st Semester (Fall or Spring)		C-L-SHC
TEL 100	Telecommunication Basic Electricity	3-0-3
TEL 105	Fiber Optics: OSP	0-2-1
TEL 106	Fiber Optics: LAN	0-2-1
TEL 108	Comdial Key Systems	0-2-1
TEL 200	LAN: Copper	0-2-1
	OR	
TEL 206	Installer Level 1 Cabling	1-2-2
TEL 201	Station Install/Repair	1-2-2
TEL 202	Cable Splicing	1-2-2
TEL 203	Cable Fault Location	0-2-1
TEL 205	Digital Central Office Administration	1-2-2
TEL 209	ADSL Installation	<u>0-2-1</u>
		6-18-15

Total Semester Hours Credit: 15