

**Central Carolina Community College**  
**Program Planning Guide**

**Telecommunications Installation and Maintenance**

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

**C50380**

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. Coursework includes basic electricity, cable splicing, fiber optics, LAN/WAN, cable fault location and repair, central office administration, standards and codes, 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.

Program Length: 1 semester

Career Pathway Options: Certificate in Telecommunications Installation and Maintenance

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

<b>Suggested Course Schedule:</b>	<b>HOURS</b>			<b>Grade</b>	<b>Semester</b>	<b>Notes</b>
	<b>Class</b>	<b>Lab</b>	<b>Credit</b>			
1st Semester (Fall or Spring)						
TEL 100	Telecommunications Basic Electricity	3	0	3		
TEL 105	Fiber Optics: Splicing	1	2	2		
TEL 106	Fiber Optics: Connectors	1	2	2		
TEL 108	Comdial Key Systems	0	2	1		
TCT 103	Installer Level I 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	0	2	2		
		9	18	18		

Total Semester Hours Credit: 18