

**Central Carolina Community College
Program Planning Guide**

**Industrial Systems Technology
Credential: Certificate in Electrical Controls
C5024010**

This curriculum will provide students with knowledge of electricity and electrical controls. Students will learn AC/DC electricity, pilot devices, control relays, motor starters, and electromechanical devices. Upon completion, students will have the flexibility of pursuing a Diploma or an Associate in Applied Science Degree in Industrial Systems Maintenance Technology.

Program Length: 2 semesters

Career Pathway Options: Associate in Applied Science in Industrial Systems Technology (Higher entrance standards required);

Diploma in Industrial Systems Technology (Higher entrance standards required); Certificate in Electrical Controls

Program Sites: Lee Campus - Evening Program

Suggested Course Schedule:	HOURS			Grade	Semester	Notes
	Class	Lab	Credit			
1st Semester (Fall)						
ELC 112	DC/AC Electricity	3	6	5		
ELC 128	Introduction to PLC	2	3	3		
		5	9	8		
2nd Semester (Spring)						
ELC 117	Motors and Controls	2	6	4		
ELN 231	Industrial Controls	2	3	3		
ISC 110	Workplace Safety	1	0	1		
OR ISC 112	Industrial Safety	2	0	2		
		5/6	9	8/9		

Total Semester Hours Credit: 16/17