

**Central Carolina Community College
Program Planning Guide**

Industrial Systems Technology

Credential: Certificate in Programmable Logic Controllers (PLC)

C5024030

This curriculum will provide students with knowledge of PLC's and PLC applications. In addition, students will become proficient in the use of PLC software, hardware, maintenance and troubleshooting, and programming. Upon completion, students will have the flexibility of pursuing a Diploma or an Associate in Applied Science Degree in Industrial Systems 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 Programmable Logic Controllers

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 228	PLC Applications	2	6	4		
ELN 229	Industrial Electronics	3	3	4		
		5	9	8		

Total Semester Hours Credit: 16