CENTRAL CAROLINA COMMUNITY COLLEGE

Science, Technology, Engineering & Math (STEM)

Program Planning Guide

Electronics Engineering Technology, Associate in Applied Science Degree, A40200

Program Length: 5 Semesters
Program Sites: Lee Main Campus, Day Program
Career Pathway Options: **Associate in Applied Science Degree in Electronics Engineering**

Suggested Course Schedule		Class	Lab	Work	Credits	Notes:
1st Semester (fall)						
ACA 122	Student Success Course	0	2	0	1	
CIS 110	Intro to Computers	2	2	0	3	
EGR 131	Intro to Electronics Tech	1	2	0	2	
ELC 131	Circuit Analysis I	3	3	0	4	
ENG 111	Writing & Inquiry	3	0	0	3	
Math requirement, take one:						
MAT 171	Precalculus Algebra	3	2	0	4	
MAT 121	Algebra/Trigonometry I	2	2	0	3	
	Total Semester Hours:	**11/12**	**11**	**0**	**16/17**	
2nd Semester (spring)						
ELN 131	Analog Electronics I	3	3	0	4	
ELN 133	Digital Electronics	3	3	0	4	
Technical Elective					3	
Math 2 requirement, take one:						
MAT 172	Precalculus Trigonometry	3	2	0	4	
MAT 122	Algebra/Trigonometry II	2	2	0	3	
	Total Semester Hours:				**14/15**	
3rd Semester (summer)						
ELN 132	Analog Electronics II	3	3	0	4	
Physics requirement, take one:						

Effective Term: 2025FA

PHY 151	College Physics I	3	2	0	4	
PHY 131	Physics - Mechanics	3	2	0	4	
	Total Semester Hours:	**6**	**5**	**0**	**8**	
4th Semester (fall)						
CET 225	Digital Signal Processing	2	2	0	3	
ELN 232	Introduction to Microprocessors	3	3	0	4	
PCI 170	DAQ and Control	3	3	0	4	
Communications requirement		3	0	0	3	*Recommend ENG 112*
Social/Behavioral Science requirement		3	0	0	3	
	Total Semester Hours:	**14**	**8**	**0**	**17**	
5th Semester (spring)						
ELN 247	Electronic Applications Project	1	3	0	2	
ELN 275	Troubleshooting	1	3	0	2	
ISC 221	Statistical Quality Control	3	0	0	3	
ELC 128	Introduction to PLCs	2	3	0	3	
Humanities/Fine Arts requirement		3	0	0	3	
	Total Semester Hours	**10**	**9**	**0**	**13**	
Total Semester Hour Credits Required for Graduation: 68						

Technical Electives, take one:

CTS-120	Hardware/Software Support
CSC 134	C++ Programming
CSC 151	JAVA Programming
DFT 151	CAD I
LEO 111	Lasers and Applications
CTI 120	Network & Sec Foundations
NOS 130	Windows Single User
CSC 121	Python Programming
ELN 236	Fiber Optics and Lasers
ELC 213	Instrumentation