

BEAUFORT COUNTY COMMUNITY COLLEGE 2021-2022

**Electrical Engineering Technology– Applied Electrical Principles Diploma**  
Curriculum Code D40180

Grade	Course Number	Course Title	Prerequisites	Class	Lab	Credit
Year 1		First Semester: Fall				
	ELC 113	Residential Wiring		2	6	4
	ELC 131	Circuit Analysis I		3	3	4
	ELC 131A	Circuit Analysis I Lab		0	3	1
		Semester Totals		5	12	9
Year 1		Second Semester: Spring				
	ELN 131	Analog Electronics I		3	3	4
	ENG 111	Writing and Inquiry	*	3	0	3
	MAT 121 (or) MAT 171	Algebra/Trigonometry I Precalculus Algebra	*	2 3	2 2	3 4
		Semester Totals		8-9	5-7	10-11
Year 1		Third Semester: Summer				
	ELN 133	Digital Electronics		3	3	4
	PCI 162	Instrumentation Controls <sup>1</sup>		2	3	3
		Semester Totals		5	6	7
Year 2		Fourth Semester: Fall				
	ELC 114	Commercial Wiring		2	6	4
	ELN 135	Electrical Machines		2	2	3
		Semester Totals		4	8	7
Year 2		Fifth Semester: Spring				
	ELC 128	Intro to PLC		2	3	3
	ELC 136	Electrical Machines II		3	3	4
	ELN 231	Electric Power Systems		3	2	4
		Semester Totals		8	8	11
		Cumulative Totals				44-45

<sup>1</sup>WBL 113 may be substituted.

\*See course description for prerequisite information.