

## BEAUFORT COUNTY COMMUNITY COLLEGE 2019-2020

### Electrical Engineering Technology

Curriculum Code A40180

Grade	Course Number	Course Title	Prerequisites/ Co-requisites	Class	Lab	Credit
Year 1		First Semester: Fall				
	ACA 111 (or) ACA 122	College Student Success College Transfer Success		1 0	0 2	1 1
	ELC 113	Residential Wiring		2	6	4
	ELC 131	Circuit Analysis I		3	3	4
	ELC 131A	Circuit Analysis I Lab		0	3	1
	ELC 192	Selected Topics in Electrical Engr. Tech		0	6	2
	HUM/FINE ARTS	Humanities/Fine Arts ( <i>Select One</i> ) <sup>1</sup>	*	3	0	3
		Semester Totals		8-9	18-20	15
Year 1		Second Semester: Spring				
	ELC 132	Electrical Drawings		1	3	2
	ELN 131	Analog Electronics I		3	3	4
	ENG 111	Writing & Inquiry	*	3	0	3
	MAT 121 (or) MAT 171	Algebra/Trigonometry I Precalculus Algebra	*	2 3	2 2	3 4
		Semester Totals		9-10	8	12-13
Year 1		Third Semester: Summer				
	ELN 133	Digital Electronics		3	3	4
	PCI 162	Instrumentation Controls <sup>2</sup>		2	3	3
	SOC/BEHAV SCI	Social/Behavioral Science ( <i>Select One</i> ) <sup>3</sup>	*	3	0	3
		Semester Totals		8	6	10
Year 2		Fourth Semester: Fall				
	ELC 114	Commercial Wiring		2	6	4
	ELC 135	Electrical Machines I		2	2	3
	MAT 122 (or) MAT 172	Algebra/Trigonometry II <sup>4</sup> Precalculus Trigonometry	*	2 3	2 2	3 4
	PHY 131	Physics-Mechanics	*	3	2	4
		Semester Totals		9-10	12	14-15
Year 2		Fifth Semester: Spring				
	ELC 128	Intro to PLC		2	3	3
	ELC 136	Electrical Machines II		3	3	4
	ELC 231	Electric Power Systems		3	2	4
	ENG 112 (or) ENG 114	Writing/Research in the Disc Professional Research & Reporting <sup>5</sup>	ENG 111	3 3	0 0	3 3
	PHY 133	Physics-Sound & Light	PHY 131	3	2	4
		Semester Totals		14	10	18
		Cumulative Totals				69-71

<sup>1</sup>ART 111, ART 114, ART 115, DRA 111, ENG 131, ENG 231, ENG 232, ENG 241, ENG 242, HUM 115, HUM 120, HUM 121, HUM 122, HUM 150, HUM 160, MUS 110, MUS 112, MUS 210, PHI 215, PHI 240, REL 110, REL 211, REL 212

<sup>2</sup>WBL 113 Work-Based Learning Experience I may be substituted.

<sup>3</sup>ANT 210, ANT 221, ECO 151, ECO 251, ECO 252, GEO 111, HIS 111, HIS 112, HIS 115, HIS 131, HIS 132, POL 110, POL 120, POL 220, PSY 150, PSY 239, PSY 241, PSY 281, SOC 210, SOC 213, SOC 220, SOC 225, SOC 240.

\*PSY 118 can be substituted for the PSY courses but is not a college transfer course.

<sup>4</sup>MAT 171 may be substituted.

<sup>5</sup>ENG 113 may be substituted.

\*See course description for prerequisite information.