

# Electrical Engineering Technology

(A40180)

## Electrical Design Track

### *First Semester*

	<i>Lecture</i>	<i>Lab</i>	<i>Credit</i>
COM 110 – Introduction to Communications	3	0	3
ELC 138 – DC Circuit Analysis	2	3	3
ELC 139 – AC Circuit Analysis	2	3	3
ENG 111 – Expository Writing	3	0	3
MAT 121 – Algebra/Trigonometry I	2	2	<u>3</u>
			<b>15</b>

### *Second Semester*

ELN 133E – Digital Electronics	3	3	4
ELN 137 – Electronic Devices & Circuits	4	3	5
ELN 150 – CAD for Electronics	1	3	2
DFT 151 – CAD I	2	3	3
MAT 122 – Algebra/Trigonometry II	2	2	<u>3</u>
			<b>17</b>

### *Third Semester*

ENG 114 – Professional Research & Reporting	3	0	3
Behavior/Social Science Elective	3	0	3
Humanities/Fine Arts Elective	3	0	<u>3</u>
			<b>9</b>

### *Fourth Semester*

ELC 135 – Electrical Machines I	2	2	3
ELC213 – Instrumentation	3	2	4
ELN 237 – Local Area Networks	2	3	3
DFT 152 – CAD II	2	3	3
PHY131 - Physics (Mechanics)	3	2	4
or			
PHY151 – College Physics I	3	2	<u>4</u>
			<b>17</b>

### *Fifth Semester*

ELC 136 – Electrical Machines II	3	3	4
MAT 223 – Applied Calculus	2	2	3
ELC 231 – Electric Power Systems	3	2	4
DFT 152 – CAD III	2	3	3
ELC 234E – Electrical System Design	2	3	<u>3</u>
			<b>17</b>

**TOTAL CREDITS 75**