Associate in Applied Science @ Central Piedmont Community College

Electronics Engineering Technology

(A40200)

Instrumentation & Control Track

	Lecture	*Lab*	*Credit*
First Semester			
☐ 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	3
			15
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
☐ ENG 114 – Professional Research & Reporting	3	0	3
☐ MAT 122 – Algebra/Trigonometry II	2	2	3
			17
Third Semester			
☐ Behavior/Social Science Elective	3	0	3
☐ Humanities/Fine Arts Elective	3	0	3
			6
Fourth Semester			
☐ CSC139 – Visual Basic Programming	2	3	3
☐ ELC213 – Instrumentation	3	2	4
☐ ELN 237 – Local Area Networks	2	3	3
☐ ELN 260 – Programmable Logic Controllers	3	3	4
☐ PHY131 - Physics (Mechanics)	3	2	4
or			
PHY151 – College Physics I	3	2	4
			18
Fifth Semester			
☐ PCI162 – Instrumentation Controls	2	3	3
☐ MAT 223 – Applied Calculus	2	2	3
☐ PCI 170 – DAQ and Control (LabView)	3	3	4
☐ PCI172 – SCADA Systems	3	3	4
☐ PCI 173 – Programmable Systems	3	3	4
			18
	TOTAL CREDITS		**74**