PROGRAM PLANNING GUIDE

ELECTRONICS ENGINEERING TECHNOLOGY
A40200

Replaces Curriculum Schedule with Revision Date: FA2017 **Date Revised:** FA2018

CURRICULUM BY SEMESTER					
			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Fall Semester 1					
EGR	131	Intro to Electronics Tech	1	2	2
ELC	131	Circuit Analysis I	3	3	4
ELN	133	Digital Electronics	3	3	4
ENG	111	Writing and Inquiry	3	0	3
MAT	121	Algebra/Trigonometry I*	2	2	3
Spring Semester 1					
ELN	131	Analog Electronics I	3	3	4
ELN	260	Prog Logic Controllers	3	3	4
ELN	275	Troubleshooting	1	3	2
HUM	110	Technology and Society	3	0	3
PSY	118	Interpersonal Psychology	3	0	3
Completes requirements for Basic Electronics Certificate: C40200A					
Summer Semester 1					
ELN	132	Analog Electronics II	3	3	4
ELN	231	Industrial Controls	2	3	3
Fall Semester 2					
CSC	133	C Programming	2	3	3
ELN	232	Introduction to Microprocessors	3	3	4
ELN	234	Communication Systems	3	3	4
		Major Electives			3
Spring Semester 2					
ELN	152	Fabrication Techniques	1	3	2
ELN	233	Microprocessor Systems	3	3	4
ELN	235	Data Communication Systems	3	3	4
ENG	114	Professional Research & Reporting	3	0	3
		Major Electives			3
Completes requirements for PLC Programming Certificate: C40200B Completes requirements for SCADA Systems Certificate: C40200E Completes requirements for Instrumentation Certificate: C40200F Completes requirements for Embedded Systems Certificate: C40200G					
				Graduation Requirement Credit Hours:	69

MAJOR ELECTIVES					
			Hours Per Week		
Course No.		**Course Title**	**Class**	**Lab**	**Credits**
Major Electives		Credit Hours Needed: 6			
ATR	214	Advanced PLCs	3	3	4
ATR	215	Sensors and Transducers	2	3	3
ELC	250	Critical Power Systems	3	3	4
PCI	170	DAQ and Control	3	3	4
PCI	172	SCADA Systems	3	3	4
WBL	111	Work-Based Learning I	0	10	1

* May substitute MAT 161 or MAT 171

Students must have approval from the program director prior to registering for WBL 111.