

PROGRAM PLANNING GUIDE

**ELECTRICAL SYSTEMS TECHNOLOGY
A35130**

Replaces Curriculum Schedule with Revision Date: FA2018

Date Revised: FA2019

CURRICULUM BY SEMESTER

			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Fall Semester 1					
ELC	112	DC/AC Electricity	3	6	5
ELC	113	Residential Wiring	2	6	4
ELC	118	National Electrical Code	1	2	2
ELC	127	Software for Technicians	1	3	2

Spring Semester 1					
ELC	114	Commercial Wiring	2	6	4
ELC	117	Motors and Controls	2	6	4
ELC	119	NEC Calculations	1	2	2
ENG	111	Writing and Inquiry	3	0	3

Summer Semester 1					
ELC	115	Industrial Wiring	2	6	4
ELC	128	Introduction to PLC	2	3	3
		Major Elective			3

Fall Semester 2					
BPR	130	Print Reading - Construction	3	0	3
ISC	121	Environmental Health & Safety	3	0	3
HUM	115	Critical Thinking	3	0	3
MAT	110	Math Measurement and Literacy	2	2	3
		Major Elective			3

Spring Semester 2					
ELC	134	Transformer Applications	1	2	2
PSY	118	Interpersonal Psychology	3	0	3
ENG	114	Professional Research & Reporting	3	0	3
		Major Elective			3
		Work-Based Learning Elective			2

Graduation Requirement Credit Hours: 64

Registrar's Office Approved - 5/31/19

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MAJOR ELECTIVES

Renewable Energy Track			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Major Electives		Credit Hours Needed:	9		
ALT	120	Renewable Energy Technology	2	2	3
ELC	220	Photovoltaic Systems Technology	2	3	3
ELC	221	Advanced Photovoltaic Design	2	3	3

Business Track			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Major Electives		Credit Hours Needed:	9		
BUS	110	Introduction to Business	3	0	3
BUS	115	Business Law I	3	0	3
BUS	139	Entrepreneurship I	3	0	3

WORK-BASED LEARNING ELECTIVES

			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
		Credit Hours Needed:	2		
ELC	121	Electrical Estimating	1	2	2
WBL	112	Work-Based Learning I		20	2