

PROGRAM PLANNING GUIDE

**ELECTRICAL SYSTEMS TECHNOLOGY
A35130**

Replaces Curriculum Schedule with Revision Date: FA2016

Date Revised: FA2017

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 Electric 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

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
MAT	110	Math Measurement and Literacy	2	2	3
		Major Elective			3

Spring Semester 2					
ELC	121	Electrical Estimating *	1	2	2
ELC	134	Transformer Applications	1	2	2
		Major Elective			3

General Education Academic Core Requirements					
COM	120	Intro to Interpersonal Comm	3	0	3
ENG	110	Freshman Composition	3	0	3
HUM	121	The Nature of America	3	0	3
PSY	118	Interpersonal Psychology	3	0	3

Graduation Requirement Credit Hours: 64

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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

*May be substituted with WBL 112 or ACA 220 and WBL 111 with approval from your advisor.

General education academic core requirements may be taken during any semester.

Please see your advisor about possible course substitutions.