

PROGRAM PLANNING GUIDE

**ELECTRICAL SYSTEMS TECHNOLOGY
A35130**

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					
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
ACA	220	Professional Transition	1	0	1
		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: 65

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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 with approval from your advisor.

** All Diploma Students must take ALT 120.

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

Please see your advisor about possible course substitutions.