



Program Completion Guide
ELECTRICAL SYSTEMS TECHNOLOGY (DIPLOMA) (D35130)
Commercial & Residential Electrician

Student Name: _____ ID #: _____ Date of Enrollment: _____

Advisor Name: _____ Contact Information: _____

Note: Developmental coursework may be required. Please refer to the Developmental Education Guide for additional information.

A. Solar Energy Certificate (C35130S) Course Requirements 18 credit hours: Complete Section A.

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
ELC 112 DC/AC Electricity*	5	1 st year - fall	Pre: MAT 003 or BSP 4003		
ELC 118 National Electrical Code	2	1 st year - fall	None		
ELC 220 Photovoltaic Systems Technologies	3	1 st year – fall	None		
ELC 119 NEC Calculations	2	1 st year - spring	Pre: MAT 003 or BSP 4003		
ELC 120 Introduction to Wiring	3	1 st year - spring	None		
ELC 221 Adv Photovoltaic Systems Designs	3	1 st year - spring	Pre: ELC 220		

B. Low Voltage Certificate (C35130V) Course Requirements 16 credit hours: Complete Section B.

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
BAT 121 Integrated Multimedia Systems	3	1 st year - fall	None		
ELC 112 DC/AC Electricity*	5	1 st year - fall	Pre: MAT 003 or BSP 4003		
ELC 125 Diagrams and Schematics	2	1 st year - fall	None		
BAT 131 Fire Control System Automation	3	1 st year - spring	None		
BAT 141 Security System Fundamentals	3	1 st year - spring	None		

C. Electrical Systems Technology Certificate (C35130) Course Requirements 17 credit hours: Complete Section C.

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
ELC 112 DC/AC Electricity*	5	1 st year - fall	Pre: MAT 003 or BSP 4003		
ELC 118 National Electrical Code	2	1 st year - fall	None		
ELC 113 Residential Wiring *	4	1 st year - spring	None		
ELC 125 Diagrams and Schematics	2	1 st year - spring	None		
ELC 114 Commercial Wiring (required for diploma) or ELC 117 Motors and Controls* (required for diploma)	4	2 nd year – fall 2 nd year - spring	Pre: ELC 113 Pre: ELC 112 or ELC 131		

D. Electrical Systems Technology Diploma (D35130) Course Requirements 39 credit hours: Complete Sections C and D.

Courses	Cr.	Recommended Semester	Prerequisites/ Corequisites	Semester Registered/ Planned	Semester Completed/ Grade
ACA 122 College Transfer Success	1	1 st year – fall	None		
ELC 119 NEC Calculations	2	1 st year – fall	Pre: MAT 003 or BSP 4003		
ELC 134 Transformer Applications	2	1 st year – spring	Pre: ELC 112		
ENG 102 Applied Communications II	3	1 st year – summer	None		
ELN 229 Industrial Electronics*	4	2 nd year – fall	Pre: ELC 112 or ELC 131		



ELC 128 Introduction to PLC*	3	2 nd year – spring	Pre: ELC 112 or ELC 131		
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Social/Behavioral Sciences Electives (3 credit hours)** (Courses with the following prefixes will satisfy this requirement: ANT, ECO+, GEO, HIS, POL, PSY, and SOC) +Some business and accounting curricula require economics and do not accept ECO courses as fulfillment of this elective requirement.)			
Course	Recommended Semester	Semester Registered/Planned	Semester Completed/Grade
	1 st year – summer		

NOTES: *All courses must be completed with a grade of “C” or better.
 **See course catalog for prerequisite and/or corequisite requirements.

Students please read the following and sign below.

I understand that as an RCC student, I am ultimately responsible for my schedule. I understand that I must complete each course with a grade of “C” or better and follow the established course sequence or my ability to graduate on time may be affected.
 My advisor has information regarding other colleges and transfer opportunities that I can investigate after completing my degree/diploma/certificate, and I understand that if I would like more information I can schedule an appointment with him/her.

Student Name: _____ Student Signature: _____ Date: _____

Advisor Name: _____ Advisor Signature: _____ Date: _____

Student Name: _____ Student Signature: _____ Date: _____

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Student Name: _____ Student Signature: _____ Date: _____

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