

**Associate in Applied Science
Electrical Technology
Construction Electrician Specialization**

Name _____ Empl. ID# _____	Date Entered _____	Date Grad. _____		
DEVELOPMENTAL COURSES AS NEEDED		Notes		
RDG 30 <i>OR</i> RDG 100				
ENC 91				
MAT 55				
MAT 65				
MAT 85 (if pursuing MAT 150)				
GENERAL EDUCATION COURSES	Credit	Res	Tr	Notes
ENG 101 Writing I	3			
MAT 116 Technical Mathematics <i>OR</i> MAT 126 Technical Algebra & Trigonometry <i>OR</i> Higher Level Quantitative Reasoning Course	3 (3) (3)			
Natural Science	3			
Social and Behavioral Science	3			
Heritage/Humanities	3			
Oral Communications	3			
GENERAL EDUCATION SUBTOTAL	18			
TECHNICAL CORE	Credit	Res	Tr	Notes
EET 119 Basic Electricity <i>OR</i> ELT 110 Circuits 1	5 (5)			Recommended first semester Prereq: MAT 65 or concurrent enrollment in MAT 65 with KYOTE 12 or COMPASS pre-algebra 42
EET 250 National Electric Code	4			
EET 268 Rotating Machinery Electrical Motor Controls I <i>AND</i> EET 269 Rotating Machinery and Motor Controls I Lab <i>OR</i> EET 270 Electrical Motor Controls 1 <i>AND</i> EET 271 Electrical Motor Controls 1 Lab <i>AND</i> EET 264 Rotating Machinery <i>AND</i> EET 265 Rotating Machinery Lab	3 4 (2) (2) (2) (2)			ECTC course substitution Prereq: EET 119 or ELT 110 with grade of C or better or program advisor consent
Approved Course from Technical Elective list*	4			Program advisor consent
CAD 103 CAD Fundamentals <i>OR</i> Digital Literacy	4 (3)			If student takes bypass exam, he/she must take additional course approved by the electrical program coordinator
EET 127 Electrical Technology Capstone	1			Prereq/coreq: EET 254/255, EET 250, and EET 268/269
TECHNICAL CORE SUBTOTAL	25-26			
CONSTRUCTION ELECTRICIAN SPECIALIZATION	Credit	Res	Tr	Notes

EET 254 Electrical Construction AND EET 255 Electrical Construction Lab	3 4			ECTC course substitution for EET 154/155 and EET 252/253 Prereq: instructor consent
Technical Electives*	10-11			Elective hours must bring total hours for degree to 60
SPECIALIZATION SUBTOTAL	17-18			
PROGRAM TOTAL	60-61			

****Recommended Technical Electives***

This is not all-inclusive. Other courses may be taken with approval of the program instructor/advisor.

ACR 100 Refrigeration Fundamentals AND ACR 101 Refrigeration Fundamentals Lab	3 2			
ACR 130 Electrical Components AND ACR 131 Electrical Components Lab	3 2			Prereq: electrical course with C or better
ACR 170 Heat Load/Duct Design	3			
ACR 250 Cooling and Dehumidification AND ACR 251 Cooling and Dehumidification Lab	3 2			Prereq: ACR 100 & 101 with grade of C or better
ACR 260 Heating and Humidification AND ACR 261 Heating and Humidification Lab	3 3			Prereq: ACR 102 & 103 with grade of C or better
BRX 220 Blueprint Reading for Construction	3			
CAR 126 Intro to Construction AND CAR 127 Intro to Construction Lab	3 1			
CAR 140 Surveying and Foundations AND CAR 141 Surveying and Foundations Lab	3 2			
CAR 150 Concrete Formwork AND CAR 151 Concrete Formwork Lab	3 2			
PLB 150 Plumbing, Introduction to the Trade AND PLB 151 Basic Plumbing Skills	3 3			
PLB 260 Service	2			Prereq: PLB 150 or equivalent
PLB 261 Advanced Plumbing Lab	2			Prereq: PLB 150 or equivalent

Students enrolled in the Electrical Technology program are required to achieve a minimum grade of “C” in the technical core and in those courses selected as technical electives.

For a list of KCTC general education classes in each category, go to [http:// https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf](http://https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf) > Academic Services section > pp. 72-76.
Or www.kctcs.edu > degrees training > catalog > Academic Services section > pp. 72-76.

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