

Program Coordinator: Antonio Barber

 E-mail: antoniob.barber@kctcs.edu

Phone: 859-246-6720

 Program Website: <https://bluegrass.kctcs.edu/education-training/program-finder/electrical-technology.aspx>

Student Name:

Student ID:

Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.

First Semester	Credit Hours	Term	Grade	Prerequisites	Notes
ELT 110 Circuits I	5			Math placement for MAT 126 or higher	
ELT 114 Circuits II	5			ELT 110 with grade of C or greater	Technical Core
MAT 126 Technical Algebra and Trigonometry or higher level Quantitative Literacy course	3				
EET 250 National Electric Code	4				
Total Semester Credit Hours	17				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
EET 154 Electrical Construction I	2			Coreq: EET 155	
EET 155 Electrical Construction I Lab	2			Coreq: EET 154	
EET 252 Electrical Construction II	2			EET 154, Coreq EET 253	
EET 253 Electrical Construction II Lab	2			Coreq: EET 252	
EET 264 Rotating Machinery	2			ELT 110, ELT 114 Coreq: EET 265	
EET 265 Rotating Machinery Lab	2			ELT 110 & 114 Coreq: EET 264	
EET 270 Electrical Motor Controls I	2			ELT 110, Coreq EET 271	
EET 271 Electrical Motor Controls I Lab	2			ELT 110, Coreq EET 270	
Total Semester Credit Hours	16				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
EET 272 Electrical Motor Control II	2			EET 270, Coreq: EET 273	
EET 273 Electrical Motor Control II Lab	2			EET 270, Coreq: EET 272	
EET 276 Programmable Logic Controllers	2			ELT 110, EET 270, EET 272, Coreq: EET 277	
EET 277 Programmable Logic Controllers Lab	2			ELT 110, EET 271, EET 273, Coreq: EET 276	
ENG 101 Writing 1	3				
Natural Sciences course	3				
Technical Elective	4				See list on back.
Total Semester Credit Hours	18				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
EET 127 Electrical Technology Capstone	1			Consent of Instructor	Online class
Heritage or Humanities course	3				
Oral Communications course	3				
Social and Behavioral Sciences course	3				
Technical Elective	4				See list on back.
Digital Literacy OR If Digital Literacy is satisfied by test, then Technical Elective	3				
Total Semester Credit Hours	17				
Total Degree Credit Hours	68				

Graduation Requirements:

- 25% or more of Total Degree Credit Hours must be earned at BCTC
 Cumulative GPA must be 2.0 or higher

Advisor Name _____

Advisor Contact _____

Additional Information

Students must complete MAT 065 or 075 or demonstrate an equivalent placement level before enrolling in an ELT class.

Students must earn a grade of C or better in all EET and ELT courses and in the digital literacy course.

Courses listed in 3rd and 4th semester can be taken in any order due to availability. It is recommended that some General Education and Technical Electives be taken in the summer to ease load and schedule during the Fall and Spring semesters.

Technical Electives

Course	Cr. Hrs.	Prerequisites
EET 150 Transformers AND EET 151 Transformers Lab	2 1	ELT 110 with a grade of C or better, Coreq: EET 151 Coreq: EET 150
ELT 260 Robotics and Industrial Automation	5	Consent of Instructor
Other courses approved by the Electrical Program Coordinator	1-10	

Embedded Credentials

Credential	Title	Requirements	Total Credit Hours
Diploma	Electrical Technology Industrial Electrician Track	EET 127, EET 154, EET 155, EET 250, EET 252, EET 253, EET 264, EET 265, EET 270, EET 271, EET 272, EET 273, EET 276, EET 277, ELT 110, ELT 114, ENG 101, MAT 116 OR MAT 126 OR higher level Quantitative Reasoning course, Technical Electives (6 – 9 credit hours), Digital Literacy OR If Digital Literacy is satisfied by test then Technical Elective	54 – 57
Certificate	Electrician Trainee Level I	ELT 110, Technical Electives (3 credit hours)	8
Certificate	Electrician Trainee Level II	ELT 110, Technical Electives (8 credit hours)	13
Certificate	Residential Electricity Level I	ELT 110, EET 154, EET 155, Technical Electives (5 credit hours)	14
Certificate	Residential Electricity Level II	ELT 110, EET 154, EET 155, EET 250, EET 252, EET 253, Technical Electives (4 – 5 credit hours)	21 – 22

- Diploma Requirements:**
- 25% or more of Total Diploma Credit Hours must be earned at BCTC
 - Cumulative GPA must be 2.0 or higher

- Certificate Requirements:**
- 25% or more of Total Certificate Credit Hours must be earned at BCTC
 - Grade of C or higher in each course required for certificate