



Program Coordinator: Antonio Barber

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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
EET 250 National Electric Code	4				
MAT 116 Technical Mathematics OR 126 Technical Algebra and Trigonometry OR higher level Quantitative Literacy course	3				MAT 126 recommended
<b>Total Semester Credit Hours</b>	<b>17</b>				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
EET 264 Rotating Machinery	2			ELT 110 & 114 with C or better, Coreq: EET 264/265	
EET 265 Rotating Machinery Lab	2				
EET 270 Electrical Motor Controls I	2			ELT 110 with C or better, Coreq EET 270/271	
EET 271 Electrical Motor Controls I Lab	2				
FPX 100 Fluid Power	3			Coreq: FPX 101	
FPX 101 Fluid Power Lab	2			Coreq: FPX 100	
Written Communication, Oral Communication, OR Heritage/Humanities course	3				
<b>Total Semester Credit Hours</b>	<b>16</b>				

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	
Technical Elective	4				See list on back.
<b>Total Semester Credit Hours</b>	<b>12</b>				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
EET 127 Electrical Technology Capstone	1			Consent of Instructor	Online class
Technical Elective (Recommended: COE 199 Cooperative Education OR COED 198 Practicum)	1				
Technical Electives	3				See list on back.
Digital Literacy OR If Digital Literacy is satisfied by test, then Technical Elective	3				
<b>Total Semester Credit Hours</b>	<b>8</b>				
<b>Total Diploma Credit Hours</b>	<b>53</b>				

- Graduation Requirements:
- 25% or more of Total Diploma 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.

### 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 Technology Program Coordinator	1-10	

### Embedded Credentials

Credential	Title	Requirements	Total Credit Hours
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 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