Engineering and Electronics Technology –
Robotics and Automation Technician Certificate

Program Coordinator: Kevin Jensen   **E-mail: kevin.jensen@kctcs.edu**   **Phone: 859-246-6681**

Program Website: https://bluegrass.kctcs.edu/education-training/program-finder/engineering-electronics-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	
ELT 265 Applied Fluid Power	3				See note below.
Total Semester Credit Hours	**13**				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
ELT 120 Digital I	3				Can be taken in first semester if schedule permits
EET 270 Motor Controls I	2			ELT 110 with C or greater, Coreq: EET 271	
EET 271 Motor Controls Lab	2			ELT 110 with C or greater, Coreq: EET 270	
Total Semester Credit Hours	**7**				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
ELT 260 Robotics and Industrial Automation	5				
EET 276 Programmable Logic Controllers	2			EET 270 with C or greater, Coreq: EET 277	
EET 277 Programmable Logic Controllers Lab	2			EET 270 with C or greater, Coreq: EET 276	
Total Semester Credit Hours	**9**				
Total Certificate Credit Hours	**29**				

Graduation Requirements: ☐ **25% or more of Total Certificate Credit Hours must be earned at BCTC**

☐ **Grade of C or higher in each course required for the certificate**

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.
If ELT 265 Applied Fluid Power is not available, FPX 100/101 Fluid Power and Lab may be substituted with the approval of the Engineering and Electronics Technology Program Coordinator.

Embedded Credentials			
Credential	Title	Requirements	Total Credit Hours
Certificate	Electronics Tester	ELT 110, ELT 114, ELT 120	13