

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	
CIT 105 Introduction to Computers or CAD 100 Introduction to Computer Aided Design	3				
MAT 126 Technical Algebra and Trigonometry or higher level Quantitative Literacy course	3				
Total Semester Credit Hours	16				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
ELT 210 Devices I	4			ELT 110 with grade of C or greater	
ELT 214 Devices II	4			ELT 210 with grade of C or greater	
Technical Electives	4				EET 270 and EET 271 Motor Controls I and Lab are strongly recommended.
PHY 171 Applied Physics or Natural Sciences course	3-4				
Total Semester Credit Hours	15-16				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
ELT 120 Digital I	3				
ELT 220 Digital II	3			ELT 120 with grade of C or greater	
Technical Electives	3-4				EET 276 and EET 277 Programmable Logic Controllers and Lab are strongly recommended.
ENG 101 Writing I	3				
Social and Behavioral Sciences course	3				
Total Semester Credit Hours	15-16				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
ELT 240 Communications Electronics	6				This is an online class.
ELT 289 Engineering and Electronics Tech Capstone	1			ELT 120 and 210	This is an online class.
BRX 120 Basic Blueprint Reading OR CAD 100 Intro to Computer Aided Design OR CAD 103 CAD Fundamentals	3-4				See Additional Information (on back) about CAD 100.
Heritage or Humanities course	3				
Oral Communications course	3				
Total Semester Credit Hours	16-17				
Total Degree Credit Hours	62-65				

Graduation Requirements: 25% or more of Total Program 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.

General Education courses (math, natural sciences, writing, social and behavioral sciences, oral communications, heritage or humanities) can be taken in any order. It is recommended that math be taken in the first semester if possible.

CIT 105 or CAD 100 can be taken in any semester. BRX 120 or CAD 100 or CAD 103 can be taken in any semester.

Students who take CAD 100 instead of CIT 105 to fulfill the Digital Literacy requirement must take an additional 3 credit hours of Technical Electives instead of BRX 120 or CAD 103.

Technical Electives can be any EET, ELT, IMT, CIT, ISM, CAD, ICT, MFG or other courses approved by the Program Coordinator. EET 270, 271, 276, and 277 are strongly recommended to meet 8 hours of Technical Electives due to the use of Programmable Logic Control in industry.

Embedded Credentials

Credential	Title	Requirements	Total Credit Hours
Certificate	Communication Technician	ELT 110, ELT 114, ELT 120, ELT 210, ELT 214, ELT 240	27
Certificate	Electronics Technician	ELT 110, ELT 114, ELT 120, ELT 210, ELT 214, ELT 220	24
Certificate	Electronics Tester	ELT 110, ELT 114, ELT 120	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