

Program Coordinator: Paul Turner

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Program Website: <https://bluegrass.kctcs.edu/education-training/program-finder/integrated-engineering-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
IET 102 Preventive Maintenance	2				
IET 104 Blueprint Reading Schematics	2				
IET 107 Basic Electricity / Electronics	3				
IET 108 Mechanical Drive Systems	5				
IET 109 Safety	3				
MAT 126 Technical Algebra and Trigonometry OR higher level Quantitative Reasoning course	3				
Total Semester Credit Hours	18				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
IET 120 Machine Tool Operations	4				
IET 205 Robot Maintenance	4				
IET 206 Controls and Instrumentation	5				
CIT 105 Introduction to Computers OR Digital Literacy course	3				
COE 199 Cooperative Education OR COED 198 Practicum	1				
Total Semester Credit Hours	17				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
IET 110 Welding and Fabrication	4				
IET 201 Electrohydraulics / Pneumatics	6				
IET 203 Programmable Logic Controllers	5				
Written Communication, Oral Communication, OR Heritage/Humanities course	3				
Total Semester Credit Hours	18				
Total Diploma Credit Hours	53				

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
It is recommended that some General Education courses be taken in the summer to ease load and schedule during the Fall and Spring semesters.

Embedded Credentials			
Credential	Title	Requirements	Total Credit Hours
Certificate	Electrical Engineering Technology	IET 107, IET 203, IET 205, IET 206	17
Certificate	Mechanical Engineering Technology	IET 102, IET 108, IET 110, IET 120, IET 201	21

Certificate Requirements:

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25% or more of Total Certificate Credit Hours must be earned at BCTC

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Grade of C or higher in each course required for certificate