

## MANUFACTURING INDUSTRIAL TECHNOLOGY: ELECTRICAL TECHNOLOGY

## Construction Electrician Track

## Diploma

Academic Plan Code 4603024049

Academic Subplan Code 460302402

<b>Contact Information:</b> Brad Newborn				
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Student Name		Student ID#		
	Course	Hours	Grade	Semester
<b>GENERAL EDUCATION</b>				
Area 1: Written Communication OR		3		
Heritage/Humanities OR		(3)		
Oral Communications		(3)		
Area 2: MAT 116 Technical Mathematics OR		3		
MAT 126 Technical Algebra and Trigonometry OR Higher Level Quantitative Reasoning Course		(3)		
General Education Subtotal		6		
<b>TECHNICAL CORE</b>				
ELT 110 Circuits I OR		5		
EET 119 Basic Electricity AND		(5)		
Approved Course(s) from Technical Core List:		4-5		
Pick a course(s) for a minimum of 4 credits and a maximum of 5 credits from this list. This list is not all inclusive. Other courses may be substituted at the discretion of the program instructor/coordinator.				
ELT 114 Circuits II		(5)		
EET 150 Transformers AND		(2)		
EET 151 Transformers Lab		(1)		
ELT 260 Robotics and Industrial Automation		(5)		
EET 276 Programmable Logic Controllers		(2)		
EET 277 Programmable Logic Controllers Lab		(2)		
EET 250 National Electric Code		4		
EET 264 Rotating Machinery		2		
EET 265 Rotating Machinery Lab		2		
EET 270 Electrical Motor Controls I		2		
EET 271 Electrical Motor Controls I Lab		2		
EET 127 Electrical Capstone		1		
Digital Literacy OR		3		
If any student successfully tests out of Digital Literacy he/she must take an additional Technical Course approved by the Electrical Program Coordinator.		(3)		
Technical Core Subtotal		25-26		
<b>CONSTRUCTION ELECTRICIAN CORE</b>				
EET 154 Electrical Construction I AND		2		
EET 155 Electrical Construction I Lab AND		2		
EET 252 Electrical Construction II AND		2		
EET 253 Electrical Construction II Lab OR		2		
EET 254 Electrical Construction AND		(3)		
EET 255 Electrical Construction Lab		(4)		
Technical Electives*		10		
Construction Electrician Core Subtotal		17-18		
<b>Total Credits</b>		<b>48-50</b>		
*Technical Electives: See program instructor/coordinator for approved electives.				
Revised Date: 9/29/2016				

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KENTUCKY COMMUNITY &amp; TECHNICAL COLLEGE SYSTEM

**MANUFACTURING INDUSTRIAL TECHNOLOGY: ELECTRICAL TECHNOLOGY****Construction Electrician Track****Diploma****Academic Plan Code 4603024049****Academic Subplan Code 460302402**

<b>First Semester</b>		
Course No.	Course Title	Credit Hours
ELT 110	Circuits I OR	5
EET 119	Basic Electricity	(5)
	Area 2: MAT 116 Technical Mathematics OR	3
	MAT 126 Technical Algebra and Trigonometry OR Higher Level Quantitative Reasoning Course	(3)
	Area 1: Written Communication OR	3
	Heritage/Humanities OR	(3)
	Oral Communications	(3)
	Digital Literacy OR If any student successfully tests out of Digital Literacy, he/she must take an additional Technical Course approved by the Electrical Program Coordinator. (Recommend CAD 103 CAD Fundamentals, Extra credit hour applies toward Technical Electives)	3 - (4)
	Subtotal	14 - (15)
<b>Second Semester</b>		
Course No.	Course Title	Credit Hours
EET 254	Electrical Construction	3
EET 255	Electrical Construction Lab	4
EET 264	Rotating Machinery AND	2
EET 265	Rotating Machinery Lab	2
	Subtotal	11
<b>Third Semester</b>		
Course No.	Course Title	Credit Hours
EET 250	National Electric Code	4
EET 270	Electrical Motor Controls I AND	2
EET 271	Electrical Motor Controls I Lab	2
	Approved Course(s) from Technical Core List	4-5
	Subtotal	12-13
<b>Fourth Semester</b>		
Course No.	Course Title	Credit Hours
EET 127	Electrical Capstone	1
	Technical Electives*	10
	Subtotal	11
	Grand Total	48-50

\*The Technical and Support requirements must include a work experience component of 1-12 credit hours.

Courses in lower credentials may have been taken in combination and can be substituted with approval of program coordinator.

Program Coordinator Notes: Students enrolled in the Electrical Technology program are required to achieve a minimum grade of "C" in the technical core and in those courses selected as technical electives. It is the ultimate responsibility of the student to stay current with the curriculum requirements.