

MANUFACTURING INDUSTRIAL TECHNOLOGY: ELECTRICAL TECHNOLOGY

Associate in Applied Science

Industrial Electrician Track

Degree

Academic Plan Code 4603027039

Academic Subplan Code 460302701

Contact Information: Brad Newborn				
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Student Name		Student ID#		
	Course	Hours	Grade	Semester
GENERAL EDUCATION				
	ENG 101 Writing I	3		
	MAT 116 Technical Mathematics OR	3		
	MAT 126 Technical Algebra and Trigonometry OR Higher Level Quantitative Reasoning Course	(3)		
	Natural Sciences	3		
	Social/Behavioral Sciences	3		
	Heritage/Humanities	3		
	Oral Communications	3		
	General Education Subtotal	18		
TECHNICAL CORE				
	ELT 110 Circuits I OR	5		
	EET 119 Basic Electricity	(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 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		
INDUSTRIAL ELECTRICIAN CORE				
	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)		
	EET 272 Electrical Motor Controls II AND	2		
	EET 273 Electrical Motor Controls II Lab AND	2		
	EET 276 Programmable Logic Controllers AND	2		
	EET 277 Programmable Logic Controllers Lab	2		
	Technical Electives*	8		
	Industrial Electrician Subtotal	22-24		
	Total Credits	65-68		
		Revised Date:	9/29/2016	

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KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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First Semester		
Course No.	Course Title	Credit Hours
ELT 110	Circuits I OR	5
EET 119	Basic Electricity	(5)
MAT 116	Technical Mathematics OR	3
MAT 126	Technical Algebra and Trigonometry OR Higher Level Quantitative Reasoning Course	(3)
ENG 101	Writing I	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 will apply towards technical electives)	3 - (4)
	Subtotal	14 - (15)
Second Semester		
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
	Oral Communications	3
	Subtotal	14
Third Semester		
Course No.	Course Title	Credit Hours
EET 270	Electrical Motor Controls I AND	2
EET 271	Electrical Motor Controls I Lab	2
EET 272	Electrical Motor Controls II AND	2
EET 273	Electrical Motor Controls II Lab	2
	Approved Course(s) from Technical Core List	4-5
	Social/Behavioral Sciences	3
	Heritage/Humanities	3
	Subtotal	18-19
Fourth Semester		
Course No.	Course Title	Credit Hours
EET 276	Programmable Logic Controllers	2
EET 277	Programmable Logic Controllers Lab	2
EET 250	National Electric Code	4
EET 127	Electrical Capstone	1
	Technical Electives	7
	Natural Sciences	3
	Subtotal	19
	Grand Total	65-68

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.