

MIT: Electrical Technology Industrial Electrician Track Diploma

Name _____	Empl. ID# _____	Date Entered _____	Date Grad. _____
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GENERAL EDUCATION COURSES	Credit	Res	Tr	Notes
Area 1 = Written Communication, Oral Communications, or Heritage/Humanities	3			
Area 2 = MAT 116 Technical Mathematics OR MAT 126 Technical Algebra & Trigonometry OR Higher Level Quantitative Reasoning Course	3 (3) (3)			
GENERAL EDUCATION SUBTOTAL	6			

TECHNICAL CORE	Credit	Res	Tr	Notes
EET 119 Basic Electricity OR ELT 110 Circuits 1	5 (5)			Prereq: MAT 65 or concurrent enrollment in MAT 65 with KYOTE 12 or COMPASS pre-algebra 42. Recommended first semester
EET 250 National Electric Code	4			
EET 268 Rotating Machinery Electrical Motor Controls I AND EET 269 Rotating Machinery and Motor Controls I Lab OR EET 270 Electrical Motor Controls 1 AND EET 271 Electrical Motor Controls 1 Lab AND EET 264 Rotating Machinery AND EET 265 Rotating Machinery Lab	3 4 (2) (2) (2) (2)			ECTC course substitution Prereq: EET 119 or ELT 114 with C or better or program advisor consent
Approved Course from Technical Elective list	4-5			ECTC main campus uses EET 286/287
CAD 103 CAD Fundamentals or digital literacy	3-4			If student passes bypass exam, he/she must take an additional course approved by the program coordinator
EET 127 Electrical Technology Capstone	1			Prereq/coreq: EET 254/255, EET 250, and EET 268/269
TECHNICAL CORE SUBTOTAL	25-27			

INDUSTRIAL ELECTRICIAN SPECIALIZATION	Credit	Res	Tr	Notes
EET 254 Electrical Construction AND EET 255 Electrical Construction Lab	3 4			ECTC course substitution
EET 272 Electrical Motor Controls II AND EET 273 Electrical Motor Controls II Lab	2 2			Prereq: EET 268/269 with grade of C or better or program advisor consent
EET 276 Programmable Logic Controllers AND EET 277 Programmable Logic Controllers Lab	2 2			Prereq: EET 268/269 with grade of C or better or program advisor consent
Technical Electives*	8-9			
SPECIALIZATION SUBTOTAL	23-25			
PROGRAM TOTAL	54-57			

***Recommended Technical Electives**

This list is not all-inclusive. Other courses may be taken with approval of the program instructor/advisor.

EET 148 Electronic Drafting	3			Prereq: CAD 103
FPX 100 Fluid Power AND FPX 101 Fluid Power Lab	3 2			Highly recommended

IMT 150 Maintaining Industrial Equipment I AND	3			
IMT 151 Maintaining Industrial Equipment I Lab	2			
IMT 200 Industrial Robotics and Robotic Maintenance	4			Prereq: IMT 110/111 or instructor consent
WLD 140 Gas Metal Arc Welding AND	2			
WLD 141 Gas Metal Arc Welding Fillet Lab	3			

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.

For a list of KCTC general education classes in each category, go to
[http:// https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf](http://https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf) >
 Academic Services section> pp. 72-76.
 Or www.kctcs.edu> degrees training> catalog> Academic Services section> pp. 72-76.

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