

# INDUSTRIAL ELECTRONICS - DIPLOMA

**Offered at:** Bluegrass Community and Technical College, Hopkinsville Community College, Jefferson Community and Technical College, Owensboro Community and Technical College, Southeast Kentucky Community and Technical College

**Program Plan Number:** 1503994079

Course	Title	Credits
<b>General Education</b>		
<i>Area 1</i>		
Select one of the following two options:		3
Written Communication		
Oral Communications		
<i>Area 2</i>		
Select one of the following three options:		3
MAT 150	College Algebra	
MAT 126	Technical Algebra and Trigonometry	
Higher Level Quantitative Reasoning Course		
Subtotal		6
<b>Core</b>		
Select one of the following three options:		5
ELT 110	Circuits I	
EET 119	Basic Electricity	
IMT 110 & IMT 111	Industrial Maintenance Electrical Principles and Industrial Maintenance Electrical Principles Lab	
ELT 114	Circuits II	5
ELT 210	Devices I	4
ELT 120	Digital I	3
Select one of the following three options:		3-4
CAD 100	Introduction to Computer Aided Design <sup>1</sup>	
BRX 120	Basic Blueprint Reading	
Equivalent Course with Consent of Program Coordinator		
ELT 289	Engineering and Electronics Technology Capstone	1
Digital Literacy <sup>1</sup>		3
Select one of the following three options:		1-2
COED 198	Practicum	
COE 199	Cooperative Education: (Topic)	
Equivalent Course with Consent of Program Coordinator		
Subtotal		25-27
ELT 214	Devices II	4
ELT 220	Digital II	3
Select one of the following two options:		4
ELT 244	Electrical Machinery and Controls	
EET 270 & EET 271	Electrical Motor Controls I and Electrical Motor Controls I Lab	
Select one of the following two options:		4
ELT 250	Programmable Logic Controllers	
EET 276 & EET 277	Programmable Logic Controllers and Programmable Logic Controllers Lab	

Technical Electives <sup>2</sup>	9
Subtotal	24
<b>Total Credits</b>	<b>55-57</b>

<sup>1</sup> If a student takes CAD 100 Introduction to Computer Aided Design (3 credit hours) to meet Digital Literacy requirements, he/she **must** take an additional three (3) credit hours of elective credit not used in the selected track.

<sup>2</sup> Any EET, ELT, IMT, CIT, ISM, CAD, ICT, MFG, PLW, WLD or any other course as approved by the program coordinator.