MECHANICAL - DIPLOMA

Offered at: Jefferson Community and Technical College, Owensboro Community and Technical College

Program Plan Number: 1503994069

Course	Title	Credits
General Education		
Area 1		
Select one of the following two options:		3
Written Communication		
Oral Communications		
Area 2		
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
Core		
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 [1]	
BRX 120	Basic Blueprint Reading	
Equivalent Course with Consent of Program Coordinator		
ELT 289	Engineering and Electronics Technology Capstone	1
Digital Literacy [1]		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
Select one of the following two options:		4-5
ELT 122 & ELT 124	Mechanical Power Transmission Systems and Mechanical Power Transmission Systems Lab	
IMT 150 & IMT 151	Maintaining Industrial Equipment I and Maintaining Industrial Equipment I Lab	
Select one of the following two options:		3-5
ELT 265	Applied Fluid Power	
FPX 100 & FPX 101	Fluid Power and Fluid Power Lab	
BRX 120	Basic Blueprint Reading	3
CAD 200	Intermediate Computer Aided Drafting	4
Technical Electives [2]		8

Subtotal	22-25
Total Credits	**53-58**

[1] 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.

[2] Any EET, ELT, IMT, CIT, ISM, CAD, ICT, MFG, PLW, WLD, DPT or any other course as approved by the program coordinator.