

Montgomery Campus Program Coordinator:
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Student Name _____ Student ID # _____

[Academic Plan Code: 4703034039; Academic Program Code: ENTC]

Fluid Power Mechanic - 4703033129	Cr. Hours	Cr. Earned
FPX 100 Fluid Power AND	3	
FPX 101 Fluid Power Lab OR	2	
ELT 265 Applied Fluid Power	(3)	
MST 200 Advanced Hydraulic Systems AND	3	
MST 201 Advanced Hydraulic Systems Lab OR	2	
MST 204 Advanced Pneumatic Systems AND	(3)	
MST 205 Advanced Pneumatic Systems Lab	(2)	
Total Credits	8-10	

Industrial Maintenance Machinists Mechanic - 4703033119	Cr. Hours	Cr. Earned
BRX 120 Basic Blueprint Reading OR	3	
BRX 110 Basic Blueprint Reading for Machinist OR	(2)	
BRX 112 Blueprint Reading for Machinist OR	(4)	
ELT 102 Blueprint Reading	(2)	
IMT 100 Welding for Maintenance AND	3	
IMT 101 Welding for Maintenance Lab OR	2	
WLD 120 Shielded Metal Arc Welding AND	(2)	
WLD 121 Shielded Metal Arc Welding Lab OR	(3)	
WLD 140 Gas Metal Arc Welding AND	(2)	
WLD 141 Gas Metal Arc Welding Fillet Lab OR	(3)	
WLD 152 Basic Welding B	(5)	
IMT 115 Maintenance Machining I AND	2	
IMT 116 Maintenance Machining I Lab OR	5	
CMM 114 Fundamentals of Machine Tools OR	(7)	
CMM 110 Fundamentals of Machine Tools-A AND	(3)	
CMM 112 Fundamentals of Machine Tools-B	(4)	
IMT 150 Maintaining Industrial Equipment I AND	3	
IMT 151 Maintaining Industrial Equipment I Lab	2	
Total Credits: 19-21		

Industrial Maintenance Electrical Mechanic - 4703033189	Cr. Hours	Cr. Earned
FPX 100 Fluid Power AND	3	
FPX 101 Fluid Power Lab OR	2	
ELT 265 Applied Fluid Power	(3)	
IMT 110 IM Electrical Principles AND	3	
IMT 111 IM Electrical Principles Lab OR	2	
ELT 110 Circuits I OR	(5)	

EET 119 Basic Electricity	(5)	
IMT 220 IM Electrical Motor Controls I AND	3	
IMT 221 IM Electrical Motor Controls I Lab OR	2	
EET 270 Electrical Motor Controls I AND	(2)	
EET 271 Electrical Motor Controls I Lab OR	(2)	
ELT 244 Electrical Machinery and Controls OR	(4)	
IMT 120 IM Rotating Machinery AND	(3)	
IMT 121 IM Rotating Machinery Lab OR	(2)	
EET 264 Rotating Machinery AND	(2)	
EET 265 Rotating Machinery Lab	(2)	
IMT 280 Advanced Programmable Logic Controllers AND	(3)	
IMT 281 Advanced Programmable Logic Controllers Lab OR	(2)	
EET 276 Programmable Logic Controllers AND	(2)	
EET 277 Programmable Logic Controllers	(2)	
Total Credits: 12-15		

Industrial Maintenance Mechanic Level I - 4703033199	Cr. Hours	Cr. Earned
FPX 100 Fluid Power AND	3	
FPX 101 Fluid Power Lab OR	2	
ELT 265 Applied Fluid Power	(3)	
IMT 110 IM Electrical Principles AND	3	
IMT 111 IM Electrical Principles Lab OR	2	
ELT 110 Circuits I OR	(5)	
EET 119 Basic Electricity	(5)	
IMT 150 Maintaining Industrial Equipment I AND	3	
IMT 151 Maintaining Industrial Equipment I Lab	2	
Total Credits: 13-15		

Industrial Maintenance Mechanic Level II - 4703033149	Cr. Hours	Cr. Earned
BRX 120 Basic Blueprint Reading OR	3	
BRX 110 Basic Blueprint Reading for Machinist OR	(2)	
BRX 112 Blueprint Reading for Machinist OR	(4)	
ELT 102 Blueprint Reading	(2)	
FPX 100 Fluid Power AND	3	
FPX 101 Fluid Power Lab OR	2	
ELT 265 Applied Fluid Power	(3)	
IMT 110 IM Electrical Principles AND	3	
IMT 111 IM Electrical Principles Lab OR	2	
ELT 110 Circuits I OR	(5)	
EET 119 Basic Electricity	(5)	
IMT 100 Welding for Maintenance AND	3	
IMT 101 Welding for Maintenance Lab OR	2	
WLD 120 Shielded Metal Arc Welding AND	(2)	
WLD 121 Shielded Metal Arc Welding Lab OR	(3)	
WLD 140 Gas Metal Arc Welding AND	(2)	
WLD 141 Gas Metal Arc Welding Fillet Lab OR	(3)	
WLD 152 Basic Welding B	(5)	

IMT 115 Maintenance Machining I AND	2	
IMT 116 Maintenance Machining I Lab OR	5	
CMM 114 Fundamentals of Machine Tools OR	(7)	
CMM 110 Fundamentals of Machine Tools-A AND	(3)	
CMM 112 Fundamentals of Machine Tools-B	(4)	
Total Credits: 22-26		

Electro-Hydraulic Technician - 4703033169	Cr. Hours	Cr. Earned
IMT 110 IM Electrical Principles AND	3	
IMT 111 IM Electrical Principles Lab OR	2	
ELT 110 Circuits I OR	(5)	
EET 119 Basic Electricity	(5)	
FPX 100 Fluid Power AND	3	
FPX 101 Fluid Power Lab OR	2	
ELT 265 Applied Fluid Power	(3)	
MST 206 Electro-hydraulic	3	
MST 207 Electro-hydraulic Lab	2	
Total Credits: 13-15		

Chemical Operator - 4703033179	Cr. Hours	Cr. Earned
CHE 140 Introductory General Chemistry	3	
CHE 145 Introductory General Chemistry Lab	1	
GEN 276 Employment and Professional Skills	1	
IMT 140 Industrial Mechanics	3	
IMT 141 Industrial Mechanics Lab	1	
ITE 250 Team Dynamics and Problem Solving	3	
ISX 101 Industrial Safety	3	
MAT 116 Technical Mathematics	3	
PHX 150 Introduction to Physics	3	
QMS 101 Introduction to Quality Systems	3	
TEC 200 Technical Communications	3	
Computer/Digital Literacy	0-3	
Total Credits: 27-30		

Notes:

1. Good keyboarding skills needed for computer/digital literacy.
2. If courses equaling 10 credits are taken, five credits may be used as electives.
3. Certificates can be completed before degree.
4. If you should change from a diploma to a degree additional courses will need to be taken to fulfill requirements.
 (See the CURRENT KCTCS Catalog)

COMPASS Placement Scores for placement into developmental courses:

	Reading	Writing	Mathematics
ACT	17 or higher	17 or higher	17 or higher
COMPASS	74	49	34 (prealgebra domain)