

(A40350) Mechatronics Apprentice2000 Track Curriculum

Summer 1	Fall 1	Spring 1	Summer 2	Fall 2	Spring 2	Summer 3	Fall 3	Spring 3	Summer 4	Fall 4
4 Credit Hours	3 Credit Hours	4 Credit Hours	5 Credit Hours	9 Credit Hours	11 Credit Hours	6 Credit Hours	10 Credit Hours	6 Credit Hours	5 Credit Hours	7 Credit Hours
EGR 125 Application Software for Technicians [3 contact, 2 credit]	MAT 121 Algebra / Trigonometry I [4 contact, 3 credit]	ELC 131 Circuit Analysis Controls [6 contact, 4 credit] HYBRID	ISC 212 Metrology [3 contact, 2 credit]	ATR 112 Introduction to Automation [5 contact, 3 credit] HYBRID	ELC 213 Instrumentation [5 contact, 4 credit] HYBRID	MEC 130 Mechanism [4 contact, 3 credit] HYBRID	DFT 154 Introduction to Solid Modeling [5 contact, 3 credit]	MEC 210 Applied Mechanics [4 contact, 3 credit]	MEC 110 Introduction to CAD/CAM [3 contact, 2 credit]	PCI 173 Programmable Systems [6 contact, 4 credit]
<div style="border: 1px solid black; padding: 10px; text-align: center;"> Senior Year of High School Thru Career and College Promise </div>				ELC 130 Advanced Motors & Controls I [4 contact, 3 credit] HYBRID	PHY 131 Physics – Mechanics [5 contact, 4 credit]		ELN 260 Program Logic Controller [6 contact, 4 credit] HYBRID	MEC 180 Engineering Materials [5 contact, 3 credit] HYBRID		MEC 265 Fluid Mechanics [4 contact, 3 credit] HYBRID
				ISC 112 Industrial Safety [2 contact, 2 credit] ONLINE	Apprenticeship 2000		MEC 161 Manufacturing Processes [3 contact, 3 credit] ONLINE	ENG 111 Expository Writing [3 contact, 3 credit] ONLINE	ENG 114 Professional Research and Reporting [3 contact, 3 credit] ONLINE	PHI 240 Introduction to Ethics [3 contact, 3 credit] ONLINE
Contact 5	Contact 4	Contact 6	Contact 6	Contact 12	Contact 13	Contact 7	Contact 14	Contact 9	Contact 6	Contact 10

Curriculum Total Credit Hours	70
Curriculum Total Contact Hours	92

MUST Take this Course	BEFORE Taking this Course
DFT 154	MEC 110
ELC 131	ELC 213
ELC 131	ELC 130
ELC 131	ELN 260
ENG 111	ENG 114
ENG 114	PHI 240

MUST Take this Course	BEFORE Taking this Course
ENG 114	MEC 180
MAT 121	MAT 122
MAT 121	PHY 131
MAT 121 and ENG 111	ECO 251
MEC 210	MEC 260
PHY 131	MEC 265

Color Key	
	Communications
	Mathematics
	Physical & Natural Sciences
	Social Sciences & Humanities
	Technical Content