



Dual Enrollment Pathways - Manufacturing

Electrical - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		EET 100	Introduction to Engineering Technologies	3
	Spring	ELT 110	Wiring Methods	3
11th	Summer	AUT 199	Special Topics in Manufacturing	3
	Fall	ETC 101	DC Fundamentals	3
	Spring	ELT 118	Commercial/Industrial Wiring I	3
12th		ELT 117	AC & DC Machines	3
	Fall	ELT 116	Residential Wiring	6
	Spring	ETC 102	AC Fundamentals	3
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Mechatronics - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		INT 118	Fund of Industrial Hydraulics/Pneumatics	3
	Spring	INT 117	Principles of Industrial Mechanics	3
	Summer	AUT 199	Special Topics in Manufacturing	3
11th	Fall	EET 100	Introduction to Engineering Technology	3
		ETC 101	DC Fundamentals	3
	Spring	ETC 108	Motor Controls	3
12th	Summer	AUT 208	Automated Systems	3
	Fall	ILT 194	Introduction to PLC	3
	Spring	AUT 232	Sensor Technology and Applications	3
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Industrial Maintenance - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		AUT 102	Lean Manufacturing & Industrial Safety	3
	Spring	INT 117	Principles of Industrial Mechanics	3
11th	Summer	INT 127	Principles of Industrial Pumps & Piping Systems	3
	Fall	INT 118	Fundamentals of Industrial Hydraulics/Pneumatics	3
	Spring	INT 134	Industrial Maintenance Welding & Cutting	3
12th	Summer	AUT 199	Special Topics in Manufacturing	3
	Fall	AUT 104	Blueprint Reading for Manufacturing	3
		AUT 116	Introduction to Robotics	3
	Spring	INT 126	Preventive Maintenance	3
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Robotics - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		AUT 212	Robotic Operation & Programming	3
	Spring	AUT 214	Robotic Manufacturing & Computer Simulation	3
11th	Fall	AUT 116	Introduction to Robotics	3
		INT 118	Fund of Industrial Hydraulics/Pneumatics	3
	Spring	ILT 281	Special Topics: Robotics	3
12th	Fall	EET 100	Introduction to Engineering Technology	3
		ETC 101	DC Fundamentals	3
	Spring	AUT 213	Robotics Project	3
		ILT 194	Introduction to Programmable Logic Controls	3
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Logistics - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		LGT 108	Introduction to Logistics	3
	Spring	LST 125	Foundational Knowledge of Supply Chain Logistics	4
11th	Fall	LGT 110	Warehouse Operations I	3
		LGT 106	Workplace Essential Skills	3
	Spring	LGT 111	Warehouse Operations II	3
12th	Summer	LGT 296	Directed Studies in Logistics	3
	Fall	AUT 102	Lean Manufacturing & Industrial Safety	3
		AUT 116	Introduction to Robotics	3
	Spring	LGT 132	Physical Distribution Systems	3
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Welding - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		WDT 108	SMAW Fillet/OFC	3
	Spring	WDT 110	Industrial Blueprint Reading	3
11th	Summer	WDT 157	Consumable Welding Processes	3
	Fall	WDT 109	SMAW Fillet/PAC/CAC	3
	Spring	WDT 119	GMAW Fillet Theory	3
12th	Summer	WDT 124	GMAW Fillet Lab	3
	Fall	WDT 121	SMAW Fillet/OFC Lab	3
	Spring	WDT 223	Blueprint Reading for Fabrication	3
		WDT 166	Flux Core Arc Welding	3
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Machine Tool - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		MTT 147	Machining Technology 1	3
	Spring	MTT 149	Machining Technology 2	3
11th	Fall	MTT 148	Machining Technology 1 Lab	3
	Spring	MTT 150	Machining Technology 2 Lab	3
12th	Summer	MTT 136	Milling Operations	6
	Fall	MTT 121	Basic Blueprint Reading for Machinists	3
	Spring	MTT 129	Lathe Operations	6
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***Start Here.
Go Anywhere.***