



Degree Completion Pathways

Map to Completion

Beginning in the Summer as a freshman student.

ADM Mechatronics			
Associate Degree/Certificate/Short Certificate			
Full Time	Course Prefix	Course Title	Credit Hours
Fall Semester 1	ELT108/INT101	Direct Current Fundamentals	3
	ELT109/INT103	Alternating Current Fundamentals	3
	ADM105/INT118	Fundamentals of Industrial Hydraulics and Pneumatics	3
	ADM111	Manufacturing Safety Practices	3
	ORI101	Orientation to College	1
Congratulations!			
Industrial Fundamentals Short Certificate Awarded – STC1			
Spring Semester 1	ADM101	Precision Measurement	3
	INT126	Preventive Maintenance	3
	ELT117/ INT206	Industrial Motors	3
	ELT209	Industrial Motor Controls	3
Congratulations!			
Industrial Automation Short Certificate Awarded – STC2			
Summer Semester 1	ELT118/ INT158	Industrial Wiring	3
	ELT230	Programmable Controls	6
	ENG101	English Composition I	3
	MTT139	Basic Computer Numerical Control (CNC)	3
Congratulations!			
Fall Semester 2	ELT253/ INT253	Industrial Robotics	3
	ELT254/ INT254	Robot Maintenance and Troubleshooting	3
	WDT157	Consumable Welding Processes	3
	MTH100	Math	3
Congratulations!			
Industrial Automation Short Certificate Awarded – STC4			
Spring Semester 2	MTT147	Introduction to Machine Shop	3
	ADM106	Quality Control	3
	Area III	4 credit hour Natural Science Course	4
	Area IV	History, Social, or Behavioral Science Course	3
Congratulations!			
Summer Semester 2	Area II	Humanities	3
	CIS146	Micro Computer Applications	3
	ENG102	English Composition II	3
	BSS220	Professional Transition	1
Congratulations!			
Industrial Maintenance Certificate Awarded			
Associate in Applied Science Degree in Mechatronics Awarded			
Industrial Electrical Fundamentals Short Certificate			Total Hours - 9
Robotics Short Certificate			Total Hours - 9
Preventive Maintenance			Total Hours - 12
Industrial Automation Short Certificate			Total Hours - 21
Industrial Maintenance Certificate			Total Hours - 44
Associate in Applied Science Degree in Mechatronics			Total Hours - 75