



PATHWAYS



**YOUR MAP TO
COMPLETION**

Electronics Technology Mechatronics

Associate in Applied Science Option III / Certificate / Short-Term Certificate

Full Time	Course Prefix	Course Description	Credit Hours	Semesters Offered	Area
Semester 1	AUT 138	Principles of Industrial Mechanics	3	Fa Sp Su	Required V
		OSHA 10 Certification			
	ILT 160	Concepts of Direct Current	3	As Needed	Required V
		NC3-MM Certification			
	ILT 161	Concepts of Alternating Current	3	As Needed	Required V
*MTH 100	Intermediate College Algebra	3	Fa Sp Su	Required III	
ORI 110	Freshman Seminar	1	Fa Sp Su	Required IV	
Semester 2	ILT 162	Concepts of Solid States	3	As Needed	Required V
	ILT 163	Concepts of Digital Electronics	3	As Needed	Required V
		NC3-PMI Certifications			
	ILT 164	Circuit Fabrication I	1	Fa Sp Su	Required V
	ILT 218	Industrial Robotics Concepts	3	Fa Sp Su	Required V
FANUC Certification					
*MTH 103	Technical Math	3	Fa Sp Su	Required V	
Semester 3	ILT 135	Local Area Networks	3	Fa Sp Su	Required V
	ILT 169	Hydraulics/Pneumatics	3	Fa Sp Su	Required V
	ILT 195	Troubleshooting Techniques	3	Fa Sp Su	Required V
	ILT 240	Sensors Technology and Applications	3	Fa Sp Su	Required V
Semester 4	ILT 194	Introduction to PLC's	3	Fa Sp Su	Required V
	ILT 197	Motor Controls I	3	Fa Sp Su	Required V
	AUT 144	Manufacturing Systems, Methods & Processes	3	Fa Sp Su	Required V
	ENG 101	English Composition I	3	Fa Sp Su	Required I
	*IDS 102	Ethics	3	Fa Sp Su	Required II
Semester 5	ILT 102	Industrial Automation	3	Fa Sp Su	Required V
	ILT 196	Advanced PLC's	3	Fa Sp Su	Required V
	ILT 210	Mechatronics	3	Fa Sp Su	Required V
	*HIS 101	Western Civilization I	3	Fa Sp Su	Required V
Electronics Technology Mechatronics AAS Total Hours 65					
Certifications					
Electronics Technology Certificate In Mechatronics Total Hours 56					
Advanced Electronics Short-Term Certificate Total Hours 12					
Basic Automation & Controls Short-Term Certificate Total Hours 12					
Advanced Automation & Controls & Mechanics Short-Term Certificate Total Hours 9					

*May be substituted per advisor's approval

For Assistance with Financial Aid: <http://www.wallacestate.edu/financial-aid>

For transfer information to a four-year school: <http://stars.troy.edu/>

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