



PATHWAYS



**YOUR MAP TO
COMPLETION
2023-2024**

Electronics Technology Mechatronics

Associate in Applied Science / Certificate / Short-Term Certificate

Full Time	Course Prefix	Course Description	Credit Hours	Semesters Offered	Area
Semester 1	ILT 160	DC Fundamentals	3	Fa Sp Su	Required V
		NC3 Fundamentals of Electricity - DC			
	ILT 161	AC Fundamentals	3	Fa Sp Su	Required V
		NC3 Fundamentals of Electricity - AC			
	ILT 199	MSSC Safety Course	3	Fa Sp Su	Required V
		Certification MSSC Safety / OSHA 10			
CIS 146	Computer Applications	3	Fa Sp Su	Required III	
ORI 110	Freshman Seminar	1	Fa Sp Su	Required IV	
Semester 2	ILT 162	Solid State Fundamentals	3	Fa Sp Su	Required V
	ILT 163	Digital Fundamentals	3	Fa Sp Su	Required V
	ILT 164	Circuit Fabrication I	1	Fa Sp Su	Required V
	ILT 168	Hydraulics/Pneumatics	3	Fa Sp Su	Required V
		NC3 Fundamentals of Fluid Power: Pneumatics Fundamentals of Fluid Power: Hydraulics			
	ENG 101	English Composition I	3	Fa Sp Su	Required I
*AUT 186 Or CIS 199	Principles of Industrial Maintenance Welding and Metal Cutting Techniques or Network Communications	3	Fa Sp Su	Required V	
Semester 3	ILT 197	Motor Controls I	3	Fa Sp Su	Required V
	ILT 240	Sensors Technology Applications	3	Fa Sp Su	Required V
		NC3 Fundamentals of Sensor Technology			
	ILT 139	Intro to Robotic Programming	3	Fa Sp Su	Required V
ILT 172	MSSC Manufacturing Processes & Production Course	3	Fa Sp Su	Required V	
Semester 4	*HUM 101	Intro to Humanities I	3	Fa Sp Su	Required II
	*MTH 116	Mathematical Applications	3	Fa Sp Su	Required III
		Intro to Programmable Logic Controllers			
	ILT 194	NC3 Fundamentals of PLCs - Allen-Bradley	3	Fa Sp Su	Required V
		Troubleshooting Techniques I			
	ILT 196	Advanced Programmable Logic Controllers	3	Fa Sp Su	Required V
NC3 Fundamentals of PLCs - Siemens					

Semester 5	ILT 210	Mechatronics	3	Fa Sp Su	Required V
	ILT 102	Industrial Automation	3	Fa Sp Su	Required V
	ILT 218	Industrial Robotics Concepts	3	Fa Sp Su	Required V
	*MTT 147 Or AUT 138	Introduction to Machine Shop I or Principles of Industrial Mechanics	3	Fa Sp Su	Required V
	*HIS 101	Western Civilization I	3	Fa Sp Su	Required IV
Electronics Technology Mechatronics AAS Total Hours 71					
Certifications					
Mechatronics Certificate Total Hours 52					
Basic Electronics Short-Term Certificate Total Hours 9					
Intermediate Electronics Short-Term Certificate Total Hours 9					
Advanced Electronics Short-Term Certificate Total Hours 9					
Fundamentals of Automation & Controls Short-Term Certificate Total Hours 9					
Fundamentals of Automation & Robotics Integration 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: <https://alabamatransfers.com>

