



PATHWAYS



**YOUR MAP TO
COMPLETION for
2025-2026**

ElectroAutomation Technology

Associate in Applied Science / Certificate / Short-Term Certificate

Full Time	Course Prefix	Course Title	Credit Hours	Semesters Offered	Area
Semester 1	ORI 110	Freshman Seminar	1	Fa Sp Su	IV
	ILT 160	DC Fundamentals	3	Fa Sp Su	V
	ILT 161	AC Fundamentals	3	Fa Sp Su	V
	ILT 139	Introduction to Robotic Programming	3	Fa Sp Su	V
	CIS 149	Digital Literacy	3	Fa Sp Su	III
Semester 2	ILT 162	Solid State Fundamentals	3	Fa Sp Su	V
	ILT 163	Digital Fundamentals	3	Fa Sp Su	V
	ILT 197	Motor Controls I	3	Fa Sp Su	V
	ILT 164	Circuit Fabrication I	1	Fa Sp Su	V
	AUT 186 or ILT 167	Principles of Industrial Maintenance Welding & Metal Cutting Techniques or AC/DC Machinery and Controls	3	Fa Sp Su	V
	ENG 101	English Composition I	3	Fa Sp Su	I
Semester 3	ILT 194	Introduction to Programmable Logic Controllers	3	Fa Sp Su	V
	ILT 175	Computer Fundamentals for Technology Students	3	Fa Sp Su	V
	ILT 218	Industrial Robotics Concepts	3	Fa Sp Su	V
	ILT 240	Sensors Technology and Applications	3	Fa Sp Su	V
Semester 4	ILT 169	Hydraulics/Pneumatics	3	Fa Sp Su	V
	ILT 195	Troubleshooting Techniques I	3	Fa Sp Su	V
	ILT 196	Advanced Programmable Logic Controllers	3	Fa Sp Su	V
	MTH 116*	Mathematical Applications	3	Fa Sp Su	III
	HUM 101*	Introduction to Humanities I	3	Fa Sp Su	II
Semester 5	ILT 210	Mechatronics	3	Fa Sp Su	V
	ILT 102	Industrial Automation	3	Fa Sp Su	V
	MTT 147 or AUT 138	Introduction to Machine Shop I or Principles of Industrial Mechanics	3	Fa Sp Su	V
	HIS 101*	Western Civilization I	3	Fa Sp Su	IV
ElectroAutomation Technology AAS TOTAL HOURS 68					
ElectroAutomation Technology Certificate TOTAL HOURS 53					
Basic Electronics Short-Term Certificate TOTAL HOURS 9					
Intermediate Electronics Short-Term Certificate TOTAL HOURS 10					
Basic Automation, Robotics and Controls Short-Term Certificate TOTAL HOURS 12					
Intermediate Automation, Robotics and Controls Short-Term Certificate TOTAL HOURS 9					
Advanced Automation, Robotics & Controls with Integration Short-Term Certificate TOTAL HOURS 9					

* May be substituted per ElectroAutomation Instructor's approval

WALLACE STATE
HANCEVILLE • ONEONTA