



PATHWAYS



**YOUR MAP TO
COMPLETION for
2026-2027**

Robotics & Automation 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
	CIS 146*	Computer Applications	3	Fa Sp Su	III
	ILT 139	Introduction to Robotic Programming	3	Fa Sp Su	V
	ILT 160	DC Fundamentals	3	Fa Sp Su	V
	ILT 161	AC Fundamentals	3	Fa Sp Su	V
Semester 2	ENG 101	English Composition I	3	Fa Sp Su	I
	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	Prin. of Indust. Maint. Welding & Metal Cutting Techniques or AC/DC Machinery and Controls	3	Fa Sp Su	V
Semester 3	ILT 175	Computer Fund. for Technology Students	3	Fa Sp Su	V
	ILT 194	Introduction to Programmable Logic Controllers	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	HUM 101*	Introduction to Humanities I	3	Fa Sp Su	II
	MTH 116*	Mathematical Applications	3	Fa Sp Su	III
	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
Semester 5	HIS 101*	Western Civilization I	3	Fa Sp Su	IV
	ILT 102	Industrial Automation	3	Fa Sp Su	V
	ILT 210	Mechatronics	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
Robotics & Automation Technology AAS TOTAL HOURS 68					
Robotics & Automation 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 TOTAL HOURS 9					

Wage
Progression
Robotics &
Automation
Technology**

Basic Electronics
Short-Term Certificate
Electronics Helper
\$16.83/hr
(\$35,000/year)



Advanced Automation
Short-Term Certificate
PLC/Controls
Technician
\$24.04/hr
(\$50,000/year)



Associate Degree
Automation/Controls
Technician
\$31.25/hr
(\$65,000/year)

**Salary projections are estimates based on available data and are not guarantees of future earnings. Actual salaries may vary based on location, employer, experience, education, and market conditions.

* May be substituted per ILT Instructor's approval

For transfer information to a four-year school: <https://alabamatransfers.com/>

WALLACE STATE
HANCEVILLE • ONEONTA

August 2026