



# 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	Principles of Industrial Maintenance Welding & Metal Cutting Techniques or AC/DC Machinery and Controls	3	Fa Sp Su	V
Semester 3	ILT 175	Computer Fundamentals 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

\* May be substituted per ILT Instructor's approval

**WALLACE STATE**  
HANCEVILLE • ONEONTA