



# PATHWAYS



**YOUR MAP TO  
COMPLETION for  
2024-2025**

## Robotic Welding General Technology

Associate in Applied Science / Certificate / Short-Term Certificate

Full Time	Course Prefix	Course Title	Credit Hours	Semesters Offered	Area
Semester 1	WDT 160	Robotics Lab 1	3	Fa	V
	ILT 235	Principles of Robotic Systems	3	Fa	V
	ILT 160	DC Fundamentals	3	Fa	V
	ILT 161	AC Fundamentals	3	Fa	V
	ENG 101	English Composition I	3	Fa Sp Su	I
	ORI 110	Freshman Seminar	1	Fa Sp Su	IV
Semester 2	WDT 126	Gas Metal Arc/Flux Core Arc Welding	6	Sp	V
	WDT 162	Consumable Welding Applications	3	Sp	V
	WDT 110	Industrial Blueprint Reading	3	Sp	V
	*MTH 116	Mathematical Applications	3	Fa Sp Su	III
	*HIS 201	United States History I	3	Fa Sp Su	IV
Semester 3	WDT 275	Robotic Welding 2	3	Su	V
	ILT 240	Sensors Technology and Applications	3	Su	V
	ILT 197	Motor Controls I	3	Su	V
	*MTH 100	Intermediate College Algebra	3	Fa Sp Su	III
Semester 4	WDT 276	Robotic Welding 3	3	Fa	V
	ILT 194	Introduction to Programmable Logic Controls	3	Fa	V
	WDT 219	Welding Inspection and Testing	3	Fa	V
	WDT 258	Certification Lab	3	Fa	V
	*IDS 102	Ethics	3	Fa Sp Su	II
Robotic Welding General Technology AAS TOTAL HOURS 61					
Robotic Welding Technician Certificate TOTAL HOURS 52					
Robotic Welding Technician Level 1 Short-Term Certificate TOTAL HOURS 12					
GMAW/FCAW Welding & Industrial Blueprint Short-Term Certificate TOTAL HOURS 12					
Robotic Welding Technician Level 2 Short-Term Certificate TOTAL HOURS 9					
Robotic Welding Technician Level 3 Short-Term Certificate TOTAL HOURS 12					

\* May be substituted per Robotic Welding Instructor's approval

**WALLACE STATE**  
HANCEVILLE • ONEONTA