

# Welding - Robotic Welding Technician

Program: [Welding/Robotic Welding](#)

## ROBOTIC WELDING TECHNICIAN CERTIFICATE - Guided Pathway/Map

### 1st Semester

Item #	Title	Credits
ILT 160	DC Fundamentals	3
WDT 160	Robotics Lab I	3
ILT 235	Principles of Robotic Systems	3
ENG 101	English Composition I	3
ILT 161	AC Fundamentals	3
ORI 110	Freshman Seminar	1
	Sub-Total Credits	16

### 2nd Semester

Item #	Title	Credits
WDT 126	Gas Metal Arc/Flux Core Arc Welding	6
WDT 162	Consumable Welding Applications	3
WDT 110	Industrial Blueprint Reading	3
MTH 116	Mathematical Applications	3
	Sub-Total Credits	15

### 3rd Semester

Item #	Title	Credits
WDT 275	Robotic Welding II	3
ILT 240	Sensors Technology and Applications	3
ILT 197	Motor Controls I	3
	Sub-Total Credits	9

### 4th Semester

Item #	Title	Credits
WDT 276	Robotic Welding III	3
ILT 194	Intro. to Programmable Logic Controllers	3
WDT 219	Welding Inspection and Testing	3
WDT 258	Certification Lab	3
	Sub-Total Credits	12
	<b>Total credits:</b>	<b>52</b>