

Career Major:

Robotic Welding Operational Technician



Pathway:
Welding and Metal Fabrication

Cluster:
Manufacturing

Career description:

Automated welding is used in an increasing number of production processes. In these instances, a machine or robot performs the welding tasks while being monitored by a welding machine operator. Robotic Welding Operational Technicians must be familiar with the set up and operation of the robotic welder. They examine the metal product to ensure that specifications are met. In addition, these technicians program the robotic welder to perform various welding processes.

Courses:

- Fundamentals of Metal Fabrication
- Fundamentals of Cutting Processes
- Fundamentals of Robotic Welding
- Metal Characteristics and Properties
- Metal Preparation and Heat Treatments
- Robotic Welder Operation
- Robotic Welder Programming
- Robotic Welder Components
- Robotic Welding Equipment Set-up
- Robotic Welder Specification
- Weld Quality
- Welding Blueprints
- Welding Detail Drawings
- Workforce Connection
- Workforce Staging

Additional Career Majors In This Pathway:

- Plasma/Flame Burn Table Operator
- Plate Roller Operator
- Press Brake Operator
- Metal Fabricator

AVERAGE SALARY

\$31,150/year

Program Length:
600 hours

Who Can Attend:
High school students or adults

Schedules Available:
Morning class: 8:10-11:00 am
Afternoon class: 12:40-3:30 pm

FULL-TIME STUDENTS:
Attend both sessions.

Entrance Requirements:

If you are a high school student, please contact your high school counselor about enrollment. Prospective adult students should contact a Meridian career counselor for enrollment information.

Tuition:

Tuition is free for students enrolled in one of our district high schools. Students can attend during their junior and senior years or during their senior year and the year following graduation. Scholarships are available to qualified applicants who graduate from one of our district high schools if they enroll within two years of graduation. Adult tuition is based on the number of hours in the chosen career major. A Meridian career counselor will be able to provide more information.

College Credit:

College credit is available for this career. Please contact a Meridian career counselor for more information.

Licensure/Certification:

In addition to certification from Meridian, the American Welding Society offers a certification program for Robotic Arc Welding – Operators and Technicians (CRAW). This certification allows many welding personnel employed in various welding sectors to measure themselves against standards for their occupation. It also signifies that the CRAW Operator or Technician has demonstrated the capability of working with various codes, standards, and specifications. Since proof of active practice or re-examination is required every three years, certification also signifies that the CRAW Operator or Technician is current with the welding industry.