

The SVCC welding program has been specifically designed to meet the needs of the local employers, specifically the manufacturers, which make up 30% of the employment in the SVCC college district. The robotic welding certificate has been designed for welding students to build a hands-on understanding of robotic arc welding. Students will cover safety jogging the robot, setting up welding equipment, robotic welding teach pendent, robotic welding parameters, motion types, programming examples, and saving and backing up robot programs and controller files.

### **Work and Employment**

This program will prepare students to work at industries which are beginning to convert from human welders to robots. A certificate in robotic welding would make advanced welders who graduate from Sauk Valley Community College more flexible when finding work upon entering the work force. They will be able to not only demonstrate proficiency in MIG, TIG, and Shielded Metal Arc Welding, but also a strong understanding of the use of robotic welding.

### **Program Contacts at Sauk Valley Community College**

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- Academic Advising, 815-835-6354
- Scott Gillihan, Instructor of Welding, 815-835-6278

## **Total Hours Required - 5-6 Hours**

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### **Major Field Requirements**

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- WLD 103 - MIG Welding (3 Semester Hours)
- OR**
- WLD 106 - Welding Fundamentals (2 Semester Hours)
  - WLD 140 - Robotic Welding (3 Semester Hours)