

WELDING TECHNOLOGY

**DEVELOPING A
HIGH-QUALITY
WORKFORCE**



SOUTHERN MISSOURI TECHNICAL INSTITUTE

Training in Career and Technical Education programs such as practical nursing, surgical technology, welding, and more!

- TRAIN IN A YEAR OR LESS
- COMPETITIVE TUITION PRICING
- FINANCIAL AID AVAILABLE TO THOSE WHO QUALIFY

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WELDING TECHNOLOGY

ABOUT THE PROGRAM

Welding is a highly rewarding and competitive field. Today's welder needs skill and knowledge to fulfill the many welding job requirements. Most employers prefer applicants to possess prior experience and skills that are attainable through technical training in welding. Upon completion of the Welding Technology program, the graduate will have a wide range of technical knowledge and experience including industrial safety, properties of metals, industrial math, blueprint reading, and many processes of welding/cutting, and fabrication techniques. The student will be prepared for American Welding Society (AWS) certification after graduation. Most employers will hire the graduate then arrange for the specific AWS certification testing if it is required for the job position. This is an approved AWS SENSE training program. Job opportunities may include but is not limited to boilermaker, pipeline welder, fabrication fitter, welding inspector, and industrial welder.

Schedule



The Welding Technology program is a nine month (900 clock hour) program with monthly enrollment. Class is held Monday through Thursday from 3:00 p.m. - 9:30 p.m. Schedule is subject to change.

Curriculum



The following curriculum will be taught: Weld Shop Safety (electrical, welding, and shop equipment safety), SMAW / Stick Welding (perform welds using E6011 electrode on steel plate/pipe and E7018 electrode on steel plate/pipe), GMAW / MIG Welding (perform welds on steel plate/pipe using the GMAW process and aluminum using the GMAW process), GTAW / TIG Welding - perform welds on steel plate/pipe using the GTAW process and aluminum using the GTAW process, and Fabrication (math and blueprint reading for welders / steel and aluminum fabrication equipment and techniques)

SOUTHERN MISSOURI TECHNICAL INSTITUTE WILL ISSUE A CERTIFICATE OF COMPLETION WHEN THE STUDENT GRADUATES FROM THIS PROGRAM.