

CERTIFICATE OF COMPLETION WELDING

The Certificate of Completion Welding prepares students for entry-level jobs in metal working fields. Required courses are applicable toward the AAS Welding degree.

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of this program the student will be able to:

- Set up and operate manual and semi-automatic welding and cutting equipment used in the metal fabrication industry.
- Perform basic layout and fabrication skills to produce welded metal parts and projects.
- Read and Interpret blueprints and American Welding Society standard welding symbols.
- Perform as a team member and practice skills that reflect professional and ethical behavior in the workplace.

ENTRY REQUIREMENTS

Students are required to take the college placement test to determine skill level and readiness in math, reading and writing. As part of their training program, students must begin with the courses within their skill level as determined by the college placement test scores.

Because a variety of working conditions exist in the welding field, a person generally should be in good physical condition and able to stand, stoop, kneel and bend without difficulty and be able to lift and carry at least 50 pounds. Good eyesight, especially depth perception, is necessary for a welder.

The Certificate of Completion Welding is an American Welding Society (AWS) entry-level welding certified program. Successfully completing the AWS portion of each welding course also qualifies the completer for a Certificate of Completion from the AWS as an entry-level welder – a nationally recognized certificate.

GRADUATION REQUIREMENTS

Students must complete a minimum of 47 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. One course must be completed at Southwestern before the Certificate of Completion Welding is awarded.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

GAINFUL EMPLOYMENT DISCLOSURE

SWOCC is required by federal regulations to disclose information related to SWOCC's educational programs that lead to gainful employment in a recognized occupation. This information is intended to provide students the opportunity to measure employment outcomes associated with SWOCC's certificate programs.

Gainful employment information can be found online at socc.edu/images/ge/welding.html.

PREREQUISITES	CIS90 (2) Computer Basics (or demonstrate proficiency)	WR90 (3) Paragraph Fundamentals (or placement test score)	Reading Score of ASSET42 COMPASS81	Math Score of ASSET35 or COMPASS Pre Alg. 31		
FALL = 15 CREDITS	WLD4010 (3) Welding Process I	WLD4061 (6) Shielded Metal Arc Welding I	DRFT105 (3) Blueprint Reading	WR115 (3) Introduction to Expository Writing ¹		
WINTER = 16 CREDITS	WLD4126 (3) Flux Cored Arc Welding	WLD4165 (3) Welding Lab A	WLD4125 (3) Gas Metal Arc Welding	MTH55 (4) Introduction to Technical Math ²	WLD110 (3) Welding Workshop: Certification Preparation ³	
SPRING = 16 CREDITS	BA110 (3) Group Dynamics for Teams ⁴	WLD4100 (3) Gas Tungsten Arc Welding	WLD4150 (3) Pipe Fitting and Fabrication	WLD4166 (3) Welding Lab B	WLD4050 (3) Welding and Joining Processes I	WLD202 (1) Forklift Operator Training/Certification

47 CREDITS = TOTAL PROGRAM REQUIREMENT

PROGRAM NOTES

¹WR121 may be substituted for WR115.

²MTH20, 60, 65, 80, 95, 98, 105, 111 may be substituted for MTH55.

³WLD280 may be substituted for WLD110.

⁴BA120, 285; HS150; PSY100, 201, 203 course may be substituted for BA110.