

Welding Technology

Associate in Applied Science

60 Credit Hours

Purpose

The Associate of Applied Science Welding Technology Program prepares graduates to enter the field of welding. The program educates the graduate in the selection of the correct equipment; selection of filler metals; pre, intermediate, and post-heat treatment of welded metals; and proper weld techniques. The program stresses industry-wide safety procedures and trains the student to read weld symbols and detail drawings.

The Welding Technology Program provides students with a solid foundation which will enable them to achieve American Welding Society Certification in such areas as: Shielded Metal Arc Welding, Gas Metal Arc Welding, Gas Tungsten Arc Welding, and Flux-Core Arc Welding. Skills sets in pipe welding, welding in mining, and plant maintenance are available.

The full Welding Technology Program is available on the Williamson Campus. The Boone/Lincoln, Logan, and Wyoming/McDowell campuses offer the general education/program support courses only.

Dept/No.	Title	Credit Hours
Support Courses		
CS 102	Computer Literacy	3
EN 101 or EN 101A	~English Composition I	3
MT 121	~College Mathematics for General Education	3
or	or	
MT 121A	~College Mathematics for General Education, Enhanced	
OR 105	Orientation to Technical Programs	1
SP 103	~Speech Fundamentals	3
	¹ Management Elective	3
	² Social Science Elective	3
Major Courses		
WL 100	Oxyacetylene Welding (OAW)	4
WL 102	Fundamentals of Welding	4
WL 103	Blueprint Reading and Metallurgy	3
WL 104	Shielded Metal Arc Welding (SMAW)	3
WL 201	Gas Metal Arc Welding (GMAW)	3
WL 202	Gas Tungsten Arc Welding (GTAW)	3
WL 203	Flux-Core Arc Welding (FCAW)	3
WL 210	Commercial and Industrial Welding Practices	3
WL 298	Welding Capstone	3
	³ Specialization Courses	12

~ Designates courses on the statewide Core Coursework Transfer Agreement.

¹Choose from MG 262, MG 264, MG 266, or MG 272.

²Choose from any Psychology or Sociology course.

³Specialization Courses (minimum of 12 credit hours): Students must complete a series of restricted electives. Courses offered to fulfill the electives will be structured around current business and industry demands. Courses are limited to Advanced Welding, CAD/CAM for Welding, courses not already required by the program and other related courses as approved by the Division Head of Applied and Industrial Technology.

A program course sequence is available at <http://www.southernwv.edu/programs/welding-technology>

Division Head: 304.236.7633

Administrative Secretary: 304.236.7619

E-mail: technology@southernwv.edu