

# Welding: Structural Welding Certificate

Welding is the process of joining together two pieces of metal so that bonding takes place at their original boundary surfaces. Welding is used in the construction and repair of many thousands of manufactured products. The Welding Technology (WDT) Program at Wallace Community College Selma provides students with the technical skills necessary to enter the construction, manufacturing, and repair industries. WDT students attain hands-on experience in a variety of welding processes used by various industries in the fabrication and repair of steel components. Through practical exercises which are designed to be as realistic as possible and representative of actual world-of-work experiences, WDT students learn to use much different cutting and joining processes. The program offers a certificate in Structural Welding as well as a more specialized certificate in Pipe Welding which permits a student to apply for more competitive pipe welding positions found in heavy industries such as refineries and off-shore drilling rigs.

Program: [Welding Technology](#)

Type: Certificate

## Area I: Written Composition

Item #	Title	Credits
ENG 100	Vocational Technical English I	3

## Area III: Natural Sciences and Mathematics

Item #	Title	Credits
MAH 101	Introductory Mathematics I	3

## Area V: Additional General Education Courses, Major Courses and Electives

Item #	Title	Credits
WDT 108	SMAW Fillet OFC	3
WDT 109	SMAW Fillet PAC/CAC	3
WDT 110	Industrial Blue Print Reading	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding Theory	3
WDT 122	SMAW Fillet OFC Lab	3
WDT 123	SMAW Fillet PAC/CAC Lab	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 125	Shielded Metal Arc Welding Grooves Lab	3
Total credits:		30