

Basic Welding Fundamentals, STC

The Basic Welding Fundamentals Short Term Certificate (STC) Program introduces concepts related to safety practices and terminology basic welding processes. Emphasis is placed on safe operating practices, equipment identification, set-up and operation, carbon arc and plasma arc cutting processes, handling and storage of compressed gasses, process principles, component identification, various welding techniques and base, filler metal identification, oxy-fuel and related information. Courses in this program are carefully articulated with the Welding Technology Certificate Program, allowing students to move on without repeating course work. The STC provides the necessary educational background and practical training to help students acquire the knowledge, skills and abilities needed to prepare for successful entry-level employment in the welding profession.

Program: [Welding Technology](#)

Type: Short Certificate

Area V: Required Field of Concentration Courses

Item #	Title	Credits
WDT 107	Smaw Fillet/OFC/PAC/CAC	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
WDT 123	Smaw Fillet/PAC/CAC/Lab	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
	Total credits:	12

Course Sequencing

Basic Welding Fundamentals STC Suggested Course Sequence First Semester

Item #	Title	Credits
WDT 107	Smaw Fillet/OFC/PAC/CAC	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding	3
WDT 123	Smaw Fillet/PAC/CAC/Lab	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3