

Jump Start 2.0 Apprenticeship: Welder

Postsecondary Partner: Fletcher Technical Community College/Apprenticeship Partners: John Deere, Bollinger Shipyards, Edison Chouest Offshore, Grand Isle Shipyards

Overview

The welding apprenticeship is designed to prepare students to enter in to the workforce and pursue a career as a welder. This welding apprenticeship program provides students with the knowledge and skills necessary for advanced placement into a post-secondary welding program. This includes the introduction of tools and materials that a welder will use on a daily basis, workplace soft skills needed to succeed and instruction in basic welding theories. Instruction is provided in various processes and techniques of welding including Oxyfuel cutting, carbon arc cutting, shielded metal arc welding, gas tungsten arc welding, flux cored arc welding, gas metal arc welding, plasma arc cutting, blueprint reading, weld symbols and joints.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
OSHA 10	Carpenter International Training Fund (CITF) Career Connections: Level 1 (Welding)	Carpenter International Training Fund (CITF) Career Connections: Level 2 OR 3 (Welding)	Apprenticeship: Welding
Carpenter International Training Fund (CITF) Career Connections: Pre-Apprentice Core Skills			

*Core Academic Course

**Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
*Technical Writing 120350	*English I 120331
*Math Essentials 160351	*Algebra I 160321
*Physical Science 150802 or Environmental Science 150310	*US Government 220502
*½ Physical Education II 190106 ½ Health Education 190500	*Physical Education I 190105
**Quest for Success 080411	** Intro to Bus Comp Apps 040401

Grade 10	
Semester 1	Semester 2
*English II 120332	*Business English 040302
*Geometry 160323	*Financial Literacy 271001
*Biology 150301	*U.S. History 220403
**Pre-Apprenticeship 080230	**Agriscience 1 010301

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
	FAST FORWARD – APPRENTICESHIP WELDING I (1 CREDIT)	WELD 1110 – OCCUPATIONAL ORIENTATION AND SAFETY	FAST FORWARD – APPRENTICESHIP WELDING II (2 CREDIT)
		WELD 1210 – OXYFUEL SYSTEMS	

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
	FAST FORWARD – APPRENTICESHIP WELDING III (1 CREDIT)	WELD 1412 – SMAW – V – GROOVE BU/GOUGE	FAST FORWARD – APPRENTICESHIP WELDING IV (2 CREDIT)
		WELD 2110– FCAW – BASIC FILLET WELDS	

This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.