

2024-25 ACADEMIC COURSES

WAF 117: IW PRE-APPRENTICESHIP FCAW

In this course, students will be introduced to the Flux-Cored Arc Welding (FCAW) process and gain the understanding of how this process is applied in the Ironworker trade. Students will learn to apply FCAW to various joint designs, on plate and structural shapes in multiple positions, using self-shielded and gas shielded filler wire. Welding vocabulary, welding theory, basic electricity, personal protective equipment (PPE), equipment troubleshooting, welding symbols, safety precautions and safe work practices will be covered along with discussing the various consumables used in FCAW and their applications. The title of this course was previously Flux Cored Arc Welding for Ironworkers. This course is required for the Ironworkers Pre-Apprenticeship Certificate.

Level I Prereq: Academic Reading Level 3; Academic Writing Level 2; WAF 110 and WAF 114, minimum grade "C"

Description	Hours
Credits	4
Lecture Hours	30
Clinical Hours	0
Lab Hours	90
Other Hours	0
Total Hours	120

Accurate as of 02/28/2024 Information is subject to change without notice.