

2023-24 ACADEMIC COURSES

WAF 116 : SMAW FOR IRONWORKERS

In this course, students will be introduced to the Shielded Metal Arc Welding (SMAW) and the Carbon Arc Cutting and Gouging (CAC/G) processes and how these processes are applied in the Ironworker trade. Students will learn to apply SMAW to various joint designs on plate and structural shapes in multiple positions and perform CAC/G techniques on steel with the various types of CAG electrodes. Welding vocabulary, welding theory, basic electricity, personal protective equipment, (PPE), equipment troubleshooting, safety precautions and safe work practices will be covered along with an introduction to weld quality. The title of this course was previously Shielded Metal 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 02/03/2023 Information is subject to change without notice.