

# FLUX CORED ARC WELDING (FCAW) CERTIFICATE OF ACHIEVEMENT

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This certificate is designed to provide students with training in Flux Cored Arc Welding (FCAW-G and FCAW-S). This is the semi-automatic welding process often used to replace Shielded Metal Arc Welding (SMAW) in many industrial applications. Industry certifications are stressed.

Code	Title	Units
<b>Required Courses</b>		
WELD 010	Introduction to Welding	2
WELD 090	Flux Cored Arc Welding - Gas Shielded	4
WELD 091	Flux Cored Arc Welding - Self Shielded	4
WELD 092	Flux Cored Arc Welding - Advanced	3
Total Units		13

*Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.*

## Program Learning Outcomes

**At the completion of this program, students will be able to:**

- Show an understanding of the safety precautions for working in a welding lab and demonstrate an awareness of the importance of safety in welding
- Use tools related to the welding industries
- Read and interpret prints and shop drawings to produce quality welds
- Read and understand Welder Procedure Specification to produce quality welds
- Fabricate and layout parts that meet quality standard
- Pass a Welder Performance Qualification Test that meets the standard of acceptability to pass a National Standard