

SEMI-AUTOMATIC WELDING - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3979

This program will emphasize advance welding skills in the GMAW (Gas Metal Arc Welding) and FCAW (Flux Core Arc Welding) processes. Course work includes a comprehensive study with an emphasis on application of fundamental welding techniques and safe industry practices. Potential careers that the program prepares students for include, but are not limited to, Pipe Fitters and Steamfitters, Sheet Metal Workers, as well as Structural Iron and Steel Workers.

Program Student Learning Outcomes

- Demonstrate advanced level skills to produce quality welds in the flat, horizontal, vertical, and overhead positions using semi-automatic welding processes: GMAW (Gas Metal Arc Welding) and FCAW (Flux Core Arc Welding).

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
MTFAB 260	Blueprint Reading for Metal Fabrication	3
MTFAB 270	Metallurgy	2.5
WELD 50	Introduction to Welding	4
WELD 213	Introduction to Semi-Automatic Welding	4
WELD 471	Semi-Automatic Welding (GMAW and FCAW)	1
WELD 472	Gas Metal Arc Welding	2
WELD 483	Gas Metal Arc/Flux Core Arc Welding	2
Total Units		18.5