

SHIELDED METAL ARC WELDING (SMAW) - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3985

This program is designed for those interested in welding structural steel. Coursework 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 introductory level skills to produce quality welds in the flat, horizontal, vertical, and overhead positions using SMAW (Shielded Metal Arc Welding) process.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
MTFAB 260	Blueprint Reading for Metal Fabrication	3
WELD 212	Introduction to Shielded Metal Arc Welding	4
WELD 221	Arc Welding Structural Certification	3
WELD 410	Welding (ARC)	2
WELD 413	SMAW Flat/Horz Groove Welds with Backing	2
WELD 414	SMAW Vert & OV/HD Grv Welds w/ Backing	2
Total Units		16