

# INTRODUCTION TO SHIELDED METAL ARC WELDING (SMAW) - CERTIFICATE OF ACHIEVEMENT

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**Plan Code: 3978**

This program is designed for those interested in welding structural steel. 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 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
<b>REQUIRED COURSES</b>		
WELD 50	Introduction to Welding	4
WELD 212	Introduction to Shielded Metal Arc Welding	4
WELD 411	Welding (ARC)	1
WELD 481	Welding (Inert Gas)	1
<b>Total Units</b>		<b>10</b>