

PROGRAM OF STUDY

Shielded Metal Arc Welding Certificate of Specialization

The Welding Technology Certificate of Specialization in Shielded Metal Arc Welding (SMAW) 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 industry practices. Program completers are prepared for entry level employment into industries such as steel construction and maintenance & repair, and general fabrication.

Student Learning Outcome:

Demonstrate advanced level skills to produce quality welds in the flat, horizontal, vertical, and overhead positions using the shielded metal arc welding process.

Program Requirements:

		Units
WELD 101A	Introduction to Shielded Metal Arc Welding	2.5 - 0
WELD 101B	Intermediate Shielded Metal Arc Welding	2.5 - 0
WELD 101C	Advanced Shielded Metal Arc Welding	2.5 - 0

Required Electives:

		Units
WELD 080	Non-Destructive Testing	3 - 0
WELD 130	Welding Metallurgy	3 - 0
WELD 132	Blueprint Reading for Welders and Fabricators	3 - 0

Total Units

16.5

PID 262