

## **Certificate of Specialization: Pipe Fabrication/Welding**

The Welding Technology Certificate of Specialization in Pipe Fabrication/Welding provides training to gain technical and applied skills in the joining of carbon steel pipe. Coursework includes pipe layout fabrication and welding of pipe in the 1G, 2G, 5G, and 6G positions using shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW) and gas metal arc welding (GMAW). Welder qualification performance exams in accordance with the American Petroleum Institute (API), American Society of Mechanical Engineers (ASME) and the American Welding Society are offered.

### **Certificate Student Learning Outcome:**

Students will be able to demonstrate the ability to fabricate and weld carbon steel pipe joints in multiple positions that meet industry code acceptance criteria.

Units Required: 15

	Units:
WELD-113A Introduction to Pipe Welding	4.0
WELD-113B Pipe Layout and Fabrication	3.0
WELD-113C Intermediate Pipe Welding	4.0
WELD-113D Advanced Pipe Welding	4.0