

# WELDING TECHNICIAN BASIC: CERTIFICATE OF ACHIEVEMENT

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The Welding Technician Basic Certificate of Achievement prepares the student for pre-apprentice positions in the welding industry. The required courses are applicable to the Welding AS degree.

## Program Learning Outcomes

1. The student will be able to set up and operate manual and semi-automatic welding and cutting equipment commonly used in the welding industry.
2. The student will be able to perform basic layout and fabrication to construct welded metal parts common to the welding industry.
3. The student will be able to read and interpret blueprints, shop drawings, basic welding codes and American Welding Society Weld Symbols.
4. The student will be able to work as part of a team and perform skills in a professional, ethical manner.
5. The student will be able to perform welding and cutting operations in the flat, horizontal, vertical up and down, and in the overhead fabrication positions using GMAW, SMAW, FCAW, GTAW, OAC, and PAC.
6. The student will be able to develop the skills needed to qualify as a certified welder under the AWS D1.1 Structural Welding Code.

## Certificate Requirements

Code	Title	Units
<b>Required Courses (17 units)</b>		
WELD-120	Welding Technology 1	7
WELD-121	Welding Technology 2	7
WELD-150	Metal Fabrication 1	3
<b>Total Units</b>		<b>17</b>