

# SHEET METAL TECHNOLOGY – WELDING BASICS ARTICULATION

Pierce County Careers Connection  
Dual Credit Articulation Agreement

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Upon completion of a full year of high school or equivalent the student will be able to demonstrate competency in the following:

- Demonstrate Knowledge of Welding Principles/Procedures and Safety
- Set Up Welding Equipment
  - Set up oxyacetylene, shielded metal arc welding, GMAW (MIG), AND GTAW (TIG) welding equipment.
  - Set ups must be within parameters of welding shop procedures.
- Bum (Cut) Material Using Hand Held Torch
  - Cut material using Plasma ARC process, in accordance with welding shop procedures/guidelines for ancillary occupation pre-apprenticeship familiarization.
- Cut With Plasma ARC
  - Cut material using Plasma ARC process, in accordance with welding shop procedures/guidelines for ancillary occupation pre-apprenticeship familiarization.
  - Safety practices/principles must not be violated.
- Make Welds Using SMAW Process
  - Make welds using SMAW process.
- Use appropriate fast fill or fast freeze rod
- Weld Steel or Aluminum Using GMAW (MIG) Process
  - Use GMAW process to weld steel and aluminum.
- Weld Using GTAW (MIG) Process
  - Use GTAW (TIG) process to weld steel and aluminum.

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A student earning a "B" grade or better may earn college credit at the following college:

<u>College</u>	<u>Course</u>	<u>Credits</u>
Bates Technical College	WBAS 101 (CIP CODE: 48.0508)	8