

WELDING BASICS

Pierce County Careers Connection Dual Credit Articulation Agreement

Upon completion of a full year of high school or equivalent to the following competencies:

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| <ul style="list-style-type: none"> □ Demonstrate Knowledge of Welding Principles/Procedures and Safety □ Set Up Oxyacetylene, Shielded Metal Arc Welding and GMAW (MIG) Welding Equipment <ul style="list-style-type: none"> • Set-ups must be within parameters of welding shop procedures • Use appropriate safety practices/principles □ Burn (Cut) Material Using Hand Held Torch <ul style="list-style-type: none"> • Demonstrate appropriate use of the following Striker <ul style="list-style-type: none"> Metal cutting equipment Protective clothing/equipment Welders standard tool kit Work order and work piece □ Make Welds Using SMAW Process <ul style="list-style-type: none"> • Demonstrate appropriate use of the following: <ul style="list-style-type: none"> - Chipping hammer - Electrodes - Grinder - SMAW equipment - Fast freeze rods - Fast fill rods - Portable screens - Protective clothing/equipment - Weld gauge - Wire brush - Work orders and work pieces • Apply welding shop procedures/guidelines • Apply safety practices/principles | <ul style="list-style-type: none"> □ Weld Steel or Aluminum Using GMAW (MIG) Process <ul style="list-style-type: none"> • Demonstrate appropriate use of the following: <ul style="list-style-type: none"> - filler metal - Grinder - MIG equipment - Protective clothing - Weld gauge - Wire brush - Work orders and work pieces • Apply welding shop procedures/guidelines • Apply safety practices/principles |
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A student earning a “C” 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

Upon entering the college program, the student may be asked to demonstrate competency in order to retain credit.