

Student Name:

District:

Grade:



**Skill Alignment Chart for:  
Heavy Equipment Technology - CIP Code: 47.0302**

**BCTC East Campus**

<b>Program Highlights</b>	<b>Notes</b>
<b>Program Safety &amp; Physical Considerations</b> <ul style="list-style-type: none"><li>• A focus on safety around moving equipment, hand &amp; power tools and other equipment found in the industry</li><li>• Ability to diagnose the source of a problem quickly and accurately</li><li>• Ability to work independently, read and follow directions</li><li>• Ability to work in tight spaces</li><li>• Eye/hand coordination</li><li>• Stamina to stand for long periods of time</li></ul> Willingness to work in all kinds of weather	
<b>Certifications</b> <ul style="list-style-type: none"><li>• Section 609 Certificate for Refrigerant Recycling &amp; Recovery</li><li>• S/P2 Safety and Pollution Outdoor Power Equipment Technician Certificate</li><li>• Certified Safety Inspector, Cat I</li><li>• Certified Safety Inspector, Cat III</li><li>• CDL License (at reduced student rate)</li><li>• OSHA/CareerSafe 10-Hour Certification</li><li>• AED Foundation Diesel Technician Certification</li></ul>	
<b>Reading &amp; Language Arts Levels</b> <ul style="list-style-type: none"><li>• College level textbook, 9<sup>th</sup>-12<sup>th</sup> grade technical manuals</li><li>• Oral &amp; written communication skills</li></ul>	

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Program Highlights	Notes
<b>Math Levels</b> <ul style="list-style-type: none"><li>• Compute ratio, rate and percent</li><li>• Measurements of fractions, decimals &amp; percents</li><li>• Standard measurement</li><li>• Tape measurement reading to the 16<sup>th</sup> of an inch</li><li>• Use of measuring devices to 1/1000<sup>th</sup> of an inch</li></ul>	
<b>Homework</b> <ul style="list-style-type: none"><li>• Average 3 hours a week</li></ul>	
<b>Tasks Per Week</b> <ul style="list-style-type: none"><li>• Approximately 10 tasks per marking period</li></ul>	
<b>Tests</b> <ul style="list-style-type: none"><li>• 1-2 tests a week with quizzes</li></ul>	
<b>Study &amp; Other Items</b> <ul style="list-style-type: none"><li>• Ability to work independently</li><li>• Ability to work with a team to complete projects</li><li>• Problem solving skills</li><li>• Basic electrical knowledge</li><li>• Critical thinking skills</li><li>• Detail oriented</li><li>• Basic computer skills</li><li>• Tool purchase requirement for this career</li></ul>	

Revised 12/08/2021