



Year 1	<u>1<sup>st</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Orientation/Safety</li> <li>• Oxy-Fuel Cutting</li> <li>• Tools &amp; Equipment I</li> <li>• Measurement &amp; Layout</li> <li>• Introduction to Shielded Metal Arc Welding (SMAW)</li> </ul>	<u>2<sup>nd</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Projects I – Jack Stands</li> <li>• Tools &amp; Equipment II</li> <li>• Shielded Metal Arc Welding Position Welds</li> <li>• Plasma Arc Cutting</li> </ul>	<u>3<sup>rd</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Introduction of Metallurgy</li> <li>• Introduction to Blueprint Reading</li> <li>• Guide Bend Standards</li> </ul>	<u>4<sup>th</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Projects II – AWS Guide Bend Tests</li> <li>• Fabrication of Heavy Steel</li> <li>• Intro to Gas Metal Arc Welding</li> </ul>
Year 2	<u>1<sup>st</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Power Tool and Machine Safety</li> <li>• Gas Metal Arc Welding (MIG)</li> <li>• Heavy Steel Fabrication</li> </ul>	<u>2<sup>nd</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Gas Metal Arc Welding Position Welds</li> <li>• Blueprint Reading II</li> <li>• Flux Core Welding II</li> </ul>	<u>3<sup>rd</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Structural Fabrication</li> <li>• Bend Allowances</li> <li>• Cross-Training Projects</li> <li>• Gas Tungsten Arc Welding Mild Steel</li> </ul>	<u>4<sup>th</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Fabrication Design</li> <li>• Gas Tungsten Arc Welding Stainless and Aluminum</li> <li>• Gas Tungsten Arc Welding Position Welding</li> </ul>
Year 3	<u>1<sup>st</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Arc Advanced Pipe</li> <li>• Gas Tungsten Arc Welding II</li> <li>• Senior Projects I</li> <li>• Senior Mentoring</li> <li>• CNC Programming</li> </ul>	<u>2<sup>nd</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Blueprint Reading III</li> <li>• Air Carbon Arc Cutting</li> <li>• Guide Bend Standards</li> </ul>	<u>3<sup>rd</sup> Quarter</u> <ul style="list-style-type: none"> <li>• AWS Preparation Test</li> <li>• AWS D1.1 Weld Tests</li> <li>• Senior Projects II</li> <li>• Job Shadowing</li> </ul>	<u>4<sup>th</sup> Quarter</u> <ul style="list-style-type: none"> <li>• Senior Projects III</li> <li>• Senior Portfolios I</li> <li>• Employment Skills</li> <li>• Interviewing Skills</li> <li>• Soft Skills</li> <li>• Resumes</li> </ul>