

# PIPEFITTING/STEAMFITTER WORK PROCESSES

WORK PROCESSES	REQUIRED PROGRAM HOURS
<p><b>A. Processing Piping</b></p> <ul style="list-style-type: none"> <li>• Process high purity piping systems, chemical piping, vacuum lines, installation, and component maintenance rehabilitation</li> <li>• Pipe bending</li> <li>• Pipe design</li> <li>• Systems layout</li> <li>• Take off all trade related work</li> </ul>	<b>1525</b>
<p><b>B. Heating/Steam &amp; Steam Condensate</b></p> <ul style="list-style-type: none"> <li>• Installation, service, maintenance, rehabilitation of piping and related equipment for steam piping, steam boilers, steam turbines, oil burners, stockers, fuel burners, heaters, heat exchangers, hot water heating, solar plants, commercial and industrial installation.</li> </ul>	<b>1525</b>
<p><b>C. Chilled &amp; Cooling Waters</b></p> <ul style="list-style-type: none"> <li>• Installation, service, and maintenance</li> <li>• Rehabilitation of piping and related equipment for chilled water, cooling water, chillers, coolers, pump heat exchangers, condensers, and their appurtenances.</li> </ul>	<b>1025</b>
<p><b>D. Controls</b></p> <ul style="list-style-type: none"> <li>• Instrumentation: installation, calibration, repair of pneumatic, electrical, hydraulic, and electronic equipment and controls.</li> <li>• Installation, testing, service, maintenance, and rehabilitation of instrumentation</li> <li>• Controls and message tubing</li> <li>• Energy management: computer aided systems controls and computer literacy</li> <li>• Start, test, and balance systems</li> <li>• Green Systems Awareness</li> </ul>	<b>1000</b>

<p><b>E. Welding &amp; Brazing</b></p> <ul style="list-style-type: none"> <li>• All welding processes in connection with the trade</li> <li>• Layout and pipeline work</li> <li>• Soldering, brazing, and joining of pipe materials</li> </ul>	<p><b>1300</b></p>
<p><b>F. Rigging, Hanger &amp; Supports</b></p> <ul style="list-style-type: none"> <li>• Rigging segments and all safety practices involved</li> <li>• Installation practices such as: support systems, concrete inserts, and piping hangers.</li> </ul>	<p><b>525</b></p>
<p><b>G. Tools &amp; Safety</b></p> <ul style="list-style-type: none"> <li>• Tool room and warehouse experience in handling all related materials and equipment.</li> <li>• Repair and operation of machines, power, and hand tools.</li> <li>• Trenching, back filing, canning, and core drilling</li> <li>• Proper use of scaffolds and ladders</li> <li>• Safety practices</li> </ul>	<p><b>600</b></p>
<p><b>TOTAL HOURS</b></p>	<p><b>7500</b></p>