

## GAS1004 - Gas Utility Field Training II

Credits:	4 (2/2/0)
Description:	This course provides practice in applied gas utilities tasks with a focus on installation. Students have theory and applied training with the installation of gas meters, valves, regulators and plastic pipe.
Prerequisites:	<ul style="list-style-type: none"><li>• GAS1000</li></ul>
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Explain gas distribution systems.</li><li>2. Demonstrate how to install plastic gas mains.</li><li>3. Demonstrate the proper installation for polyethylene (PE) gas service.</li><li>4. Demonstrate the installation of meters and regulators.</li><li>5. Demonstrate the installation of gas valves.</li><li>6. Complete and explain gas valve maintenance.</li><li>7. Complete a gas leak investigation.</li><li>8. Maintain a gas system by making emergency repairs.</li><li>9. Demonstrate how to use a gas mapping system.</li><li>10. Explain the importance of recordkeeping within the gas industry.</li><li>11. Identify leak surveys for systems uprates.</li><li>12. Explain why and how you would uprate a gas system.</li><li>13. Explain and demonstrate the abandoning of mains and services.</li><li>14. Prepare site for traffic and worker protection.</li><li>15. Perform pipe burial.</li><li>16. Join plastic pipes with heat fusion using saddle fusion process.</li><li>17. Describe and demonstrate plastic pipe fusion.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.