

## 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:	• GAS1000
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.