



**OKLAHOMA**  
**CareerTech**

## Badge Details

<b>Name</b>	1474 – Applied Fluid Power
<b>Description</b>	<p>This course adds on to the Basic Pneumatics course in Level I. Students will learn how to read and interpret electropneumatics circuits and dive deeper into how to maintain, troubleshoot, and repair pneumatic systems. This extends your knowledge of complex pneumatic systems and improves your troubleshooting skills. Practical exercises on training equipment for setup, commissioning, troubleshooting, and fault elimination facilitate the transfer of knowledge to real world industrial applications.</p>
<b>Criteria</b>	<p><b><i>Candidates receiving this certification will take an exam with the following criteria:</i></b></p> <ol style="list-style-type: none"><li>1. Setup and commissioning of pneumatic and electro-pneumatic systems</li><li>2. Analysis of control tasks using GRAFCET in accordance with DIN EN 60848</li><li>3. Design and function of pneumatic and electropneumatic circuits</li><li>4. Common failures of components</li><li>5. Characteristics and behaviors of failing components</li><li>6. Disassembly, inspection, and repair of failed components</li><li>7. Identifying root causes of component failures</li><li>8. Troubleshooting of various pneumatic circuits</li></ol>