

## DSET2216 - Advanced Air Brake Systems

Credits:	2 (1.5/0.5/0)
Description:	This course will focus on the pneumatic and electrical air brake systems used on straight truck and tractor-trailer applications. Students enrolled in this course should have a firm understanding of foundation brakes and wheel ends. Areas of emphasis will include theory of operation, pneumatics, valve operation, component identification, schematics and anti-lock systems.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Identify pneumatic components used in brake systems.</li><li>2. Utilize schematics to troubleshoot pneumatic systems.</li><li>3. Analyze various brake valves and explain theory of operation.</li><li>4. Identify anti-lock components used in a pneumatic brake system.</li><li>5. Utilize a digital volt ohm meter to test anti-lock system components.</li><li>6. Utilize OEM software to troubleshoot and diagnose anti-lock system fault codes.</li></ol>
MnTC goal areas:	None

*\*Can be taking as a Prerequisite or Corequisite.*