

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">1. Identify pneumatic components used in brake systems.2. Utilize schematics to troubleshoot pneumatic systems.3. Analyze various brake valves and explain theory of operation.4. Identify anti-lock components used in a pneumatic brake system.5. Utilize a digital volt ohm meter to test anti-lock system components.6. Utilize OEM software to troubleshoot and diagnose anti-lock system fault codes.
MnTC goal areas:	None

*Can be taken as a Prerequisite or Corequisite.