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:	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 taking as a Prerequisite or Corequisite.*

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