AMST2223 - Electronic Braking and Suspension Systems

Credits:	4 (2/2/0)
Description:	This course covers electronic brake and suspension control systems. Students learn Antilock Braking System (ABS), electronic ride control, variable suspension control, electronic power steering and Advanced Driver Assistance Systems (ADAS) operation and uses.
Prerequisites:	• AMST1102 • AMST1105
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Exhibit safety precautions and professionalism by maintaining a clean and safe work environment, following OSHA and manufacturer guidelines. 2. Understand, diagnose and repair anti-lock brake systems (ABS). 3. Understand, diagnose and repair electronic suspension control systems. 4. Understand and identify different electronic ride height and variable suspension systems. 5. Understand and identify different electric power steering system designs and uses. 6. Understand Advanced Driver Assistance System operation. 7. Understand the effects of vehicle and suspension conditions on Advanced Driver Assistance System operation and performance. 8. Perform advanced alignment procedures. 9. Perform reset, relearn and calibration procedures on electronic chassis and safety systems. 10. Use service information to repair and calibrate vehicle systems. 11. Use service information to perform vehicle diagnostics and technical service bulletins.
MnTC goal areas:	None

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

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