AMST2219 - Electronic Powertrain Control I

Credits:	3 (2/1/0)
Description:	This class covers engine control inputs and outputs, allowing students to evaluate sensor data and its relationship to engine performance. The course discusses various scan tools, including factory and aftermarket options. Students also learn to access service information and diagnose powertrain-related concerns.
Prerequisites:	• AMST1127
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Exhibit safety precautions and professionalism by maintaining a clean and safe work environment in accordance with OHSA and manufacturer guidelines. 2. Understand, diagnose and repair emission, fuel and ignition systems. 3. Perform check engine light testing using factory and aftermarket scan tools. 4. Use service information to locate relevant data and conduct flow chart and strategy-based testing. 5. Understand basic navigation and operation on factory and aftermarket scan tools. 6. Understand and identify various fuel system designs and their applications. 7. Perform fuel injector spray pattern and volume tests. 8. Learn and identify common sensor names and acronyms for multiple manufacturers. 9. Learn and identify engine control system inputs and outputs and their relationship. 10. Apply and interpret scan tool data.
MnTC goal areas:	None

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

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