AMST2218 - Electronic Powertrain Control II

Credits:	3 (1/2/0)
Description:	Students in this course will study the many electronic control systems used on today's passenger cars and light trucks. Second-generation on-board diagnostic strategies will be covered for ignition, fuel and emissions systems. The course will also incorporate hybrid technology, high-pressure gas fuel injection and diesel injection operation and testing.
Prerequisites:	• AMST1101 • AMST1111 • AMST2214
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Exhibit safety precautions and professionalism. 2. Demonstrate knowledge of environmental and OSHA regulations. 3. Interpret service information. 4. Diagnose vehicle problems using manufacturers' diagnostic equipment. 5. Diagnose vehicle problems by symptom based diagnostics. 6. Perform diagnostic and service procedures involving hybrid vehicles. 7. Perform diagnostic and service procedures on gasoline fuel-injected engines. 8. Perform diagnostic and service procedures on light-duty diesel engines. 9. Interpret on-board diagnostic second generation monitors.
MnTC goal areas:	None

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

© 2026 Minnesota State Community and Technical College.
We reserve the right to periodically update information without notice.
The information in this publication should not be regarded as contractual in nature.