

## AMST2220 - Ignition Systems

Credits:	3 (2/1/0)
Description:	This course will cover the operation of ignition systems. Students will learn how various ignition systems work so they will have the understanding to diagnose and repair ignition problems.
Prerequisites:	
Corequisites:	<ul style="list-style-type: none"> <li>• AMST1101</li> <li>• AMST1111</li> </ul>
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Exhibit safety precautions and professionalism.</li> <li>2. Interpret service information.</li> <li>3. Explain and test ignition primary and secondary circuits using a multimeter.</li> <li>4. Perform ignition service and maintenance on various vehicles.</li> <li>5. Explain and test using a lab scope to diagnosis primary and secondary circuits.</li> <li>6. Perform scan tool checks on ignition components using a variety of vehicles.</li> <li>7. Perform timing adjustments where applicable.</li> <li>8. Interpret diagnostic flow charts aiding in ignition repairs.</li> <li>9. Diagnose and explain computer-controlled ignition systems.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.