

## AMST2220 - Ignition Systems

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| 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.