

## AMST1126 - Engines II

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| Credits:           | 3 (1/2/0)  |
| Description:       | This course covers the disassembly, diagnosis, measurement, service, assembly and adjustment of engines and components. Cylinder heads, valve trains, cylinder block assemblies, cooling and lubrication systems are thoroughly covered.   |
| Prerequisites:     |  |
| Corequisites:      | <ul style="list-style-type: none"> <li>• AMST1101</li> <li>• AMST1122</li> </ul>   |
| Pre/Corequisites*: |  |
| Competencies:      | <ol style="list-style-type: none"> <li>1. Exhibit safety precautions and professionalism.</li> <li>2. Explain and interpret service information.</li> <li>3. Perform base engine diagnosis and interpret data.</li> <li>4. Perform cylinder head service involving machining of valves, guides and seats.</li> <li>5. Perform short block service involving complete cylinder and crankshaft reconditioning.</li> <li>6. Diagnose and repair cooling systems.</li> <li>7. Remove and reinstall engine assemblies.</li> <li>8. Diagnose and repair engine lubrication systems.</li> <li>9. Perform valve system adjustments.</li> </ol> |
| MnTC goal areas:   | None   |

\*Can be taking as a Prerequisite or Corequisite.