

## AMST1102 - Alignment and Suspension

Credits:	3 (1/2/0)
Description:	This course covers suspension and steering systems currently in use. Students learn suspension and steering designs and applications. The course covers vehicle alignments and alignment measurements, including: camber, caster, toe and advanced measurements.
Prerequisites:	
Corequisites:	• AMST1101
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"><li>1. Perform wheel alignment following manufacturer's specifications.</li><li>2. Understand, diagnose and repair vehicle suspension concerns.</li><li>3. Understand, diagnose and repair manual and power steering systems (electric and hydraulic).</li><li>4. Exhibit safety precautions and professionalism. Maintain a clean and safe work space following OSHA and manufacturer guidelines.</li><li>5. Understand, diagnose and repair vehicle load bearing components, including: leaf springs, struts, coil springs and related components.</li><li>6. Understand and identify Advanced Driver Assistance Systems (ADAS).</li><li>7. Understand and identify vehicle electronic suspension and steering control systems.</li><li>8. Understand, diagnose and repair tire and tire pressure monitoring system (TPMS) concerns.</li><li>9. Use service information to identify and repair vehicle suspension and steering systems.</li></ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.