

## AMST2233 - Automatic Transmissions I

Credits:	3 (2/1/0)
Description:	This course involves the principles of the multiple systems combined into an automatic transmission. The student will understand planetary gearing, clutch operation, band application and one-way clutching as they pertain to power flow through the transmission. The student will disassemble and make necessary adjustments and repairs on a variety of transmissions. The student will perform transmission fluid and filter changes where applicable.
Prerequisites:	<ul style="list-style-type: none"> <li>• AMST1101</li> <li>• AMST1111</li> </ul>
Corequisites:	
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. Inspect and adjust transmission linkages.</li> <li>4. Perform automatic transmission fluid and filter service.</li> <li>5. Explain transmission power flow throughout various components.</li> <li>6. Inspect and adjust clearances of band linkages.</li> <li>7. Perform inspection of one-way holding clutches.</li> <li>8. Disassemble and reassemble clutches and test clearances.</li> <li>9. Perform air pressure tests on automatic transmission components.</li> <li>10. Inspect and replace bushings and seals where applicable.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.