

## PWST1302 - Snowmobile I

| Credits:           | 5 (2/3/0)   |
|--------------------|---|
| Description:       | This course covers snowmobile engine designs, component identification and engine service procedures. This course also covers snowmobile fuel systems and service.  |
| Prerequisites:     |   |
| Corequisites:      |   |
| Pre/Corequisites*: |   |
| Competencies:      | <ol> <li>Demonstrate personal, social, and ethical responsibility.</li> <li>Perform manufacturer tool usage.</li> <li>Utilize service information.</li> <li>Utilize parts look-up information.</li> <li>Demonstrate use of precision measuring equipment.</li> <li>Identify two-stroke engine designs.</li> <li>Describe two-cycle operation and construction.</li> <li>Determine two-cycle engine conditions.</li> <li>Determine two-cycle engine conditions.</li> <li>Identify two-cycle induction systems.</li> <li>Understand two-cycle exhaust system designs.</li> <li>Understand two-cycle oil mixing procedures.</li> <li>Identify different types of carburetors.</li> <li>Diagnose fuel systems malfunctions.</li> <li>Identify components and passages of a carburetor.</li> <li>Understand and repair snowmobile fuel systems.</li> <li>Perform carburetor tuning and maintenance.</li> <li>Explain engine power and size ratings.</li> <li>Identify four-cycle snowmobile technology.</li> </ol> |
| MnTC goal areas:   | None  |

<sup>\*</sup>Can be taking as a Prerequisite or Corequisite.