

## PWST1017 - PowerSports Fuel Systems

|                    |   |
|--------------------|---|
| Credits:           | 3 (1/2/0)   |
| Description:       | PowerSports Fuel Systems covers the theory and operation of both carbureted and fuel injection fuel systems. Included in the course are inspection, troubleshooting, seasonal service requirements and fuel quality testing.  |
| Prerequisites:     |   |
| Corequisites:      |   |
| Pre/Corequisites*: |   |
| Competencies:      | <ol style="list-style-type: none"><li>1. Identify different designs of fuel systems.</li><li>2. Explain fuel pump operation.</li><li>3. Explain carburetor circuit operations.</li><li>4. Identify different styles of carburetors.</li><li>5. Explain basic fuel properties.</li><li>6. Test fuels for alcohol and water content.</li><li>7. Test oil pumps for proper operation.</li><li>8. Rebuild carburetors according to manufacturer specifications.</li><li>9. Test fuel pressures and vacuums.</li></ol> |
| MnTC goal areas:   | None  |

*\*Can be taking as a Prerequisite or Corequisite.*