

## PWST2013 - Power Hydraulics

Credits:	3 (1/2/0)
Description:	This course covers the theory and service of hydraulic systems used on a wide range of off-road applications. Hydro-static transmissions, power steering and power trim system service will be performed. System troubleshooting as well as component service also will be included in this course.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Perform hydraulic system bleeding.</li> <li>2. Utilize service literature for procedural analysis.</li> <li>3. Rebuild electric motors.</li> <li>4. Analyze wiring systems.</li> <li>5. Rebuild cylinders.</li> <li>6. Perform cylinder/piston inspection.</li> <li>7. Explain hydraulic fluid requirements.</li> <li>8. Explain pressure testing of hydraulic systems.</li> <li>9. Demonstrate shop equipment safety.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.