

## PWST1115 - Electrical Foundations

Credits:	3 (1/2/0)
Description:	Electrical Foundations covers the theory and practical operation of electricity. Multi-meters and test instruments are used, giving students the solid foundation they need to understand the more advanced electrical systems covered in future coursework.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Exhibit safety precautions and professionalism.</li> <li>2. Explain the laws of electricity.</li> <li>3. Describe electrical circuits.</li> <li>4. Measure voltage, current and resistance using a multi-meter.</li> <li>5. Test electrical components.</li> <li>6. Perform electrical troubleshooting.</li> <li>7. Perform battery maintenance and testing.</li> <li>8. Utilize service literature for specifications and analysis.</li> <li>9. Perform voltage drop and amperage tests.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.