

PWST1115 - Electrical Foundations

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

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