

PWST1115 - Electrical Foundations

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| 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.