

## ELWT1100 - Introduction to Lineworker Theory

Credits:	4 (2/2/0)
Description:	This introductory course provides the student with knowledge of electrical theory including atomic structure, Ohms law, and series and parallel circuits. This course also includes some hands-on dealing with the terminating of underground wire and rigging of ropes used in the electrical lineworker industry.
Prerequisites:	
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Demonstrate electrical safety.</li> <li>2. Apply electrical formulas.</li> <li>3. Apply direct current (DC) theory.</li> <li>4. Demonstrate understanding of meter skills.</li> <li>5. Demonstrate the terminating of a 200 amp underground elbow.</li> <li>6. Identify electrical circuit components.</li> <li>7. Construct DC circuits.</li> <li>8. Troubleshoot DC circuits.</li> <li>9. Demonstrate the tying of knots used in industry.</li> <li>10. Compute formulas used in the solving of Ohm's law.</li> <li>11. Display professional conduct.</li> <li>12. Diagram DC circuits.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.