

## ELEC1108 - Electrical Circuit Theory

Credits:	4 (2/2/0)
Description:	This course provides the student with an understanding of complex AC circuits, single-phase and three-phase circuit connections, transformer principles and calculations.
Prerequisites:	• ELEC1102
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Exhibit safe electrical practices.</li> <li>2. Apply the National Electrical Code.</li> <li>3. Demonstrate advanced meter skills.</li> <li>4. Trouble-shoot AC circuits.</li> <li>5. Apply AC electrical formulas.</li> <li>6. Identify AC circuit components.</li> <li>7. Evaluate single-phase AC circuits.</li> <li>8. Evaluate three-phase AC circuits.</li> <li>9. Construct single-phase AC circuits.</li> <li>10. Construct three-phase AC circuits.</li> <li>11. Diagram single-phase AC circuits.</li> <li>12. Diagram three-phase AC circuits.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.