

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">1. Exhibit safe electrical practices.2. Apply the National Electrical Code.3. Demonstrate advanced meter skills.4. Trouble-shoot AC circuits.5. Apply AC electrical formulas.6. Identify AC circuit components.7. Evaluate single-phase AC circuits.8. Evaluate three-phase AC circuits.9. Construct single-phase AC circuits.10. Construct three-phase AC circuits.11. Diagram single-phase AC circuits.12. Diagram three-phase AC circuits.
MnTC goal areas:	None

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