



ELECTRICAL THEORY II

Course Number Course Name	ELEC 150 ELECTRICAL THEORY II
Credit Value (Breakdown of theory and lab credits)	3, 3T+0S
Catalog Course Description	Basic principles of electromagnetic induction as applied to electric motors, transformers, and solenoid coils. (3, 3T+0S)
Student Learning Outcomes/Objectives /Competencies of the Course	<ul style="list-style-type: none"> • Sizing electrical boxes, raceways and conductors. • Understanding the requirements for lighting, appliances, and HVAC equipment. • Applying grounding and bonding requirements for commercial services and equipment. • Understanding and applying the provisions for overcurrent protection. • Applying NEC requirements for motor installations. • Applying NEC requirements for transformer installations.
College-Wide Student Learning Outcomes	Critical Thought