

ELECTRONICS TECHNOLOGY (ET)

ET-110

Introduction to Electricity and Electronics

4 UNITS

3.0 hours lecture, 3.0 hours laboratory

This course includes the laws of physics as they relate to electricity and electronics. Topics include the history of electrical science, atomic structure, basic electrical laws, DC and AC circuits, semiconductors, integrated circuits, amplifiers, waveforms, electrical test equipment, circuit construction, and electrical safety. Knowledge of basic algebra and how to use scientific calculators is highly desirable. (CSU) (AA/AS-B, CSU-B1,B3)