



**ELC-131      Circuit Analysis I****4 (3-3)    Fall****Prerequisites:** None**Corequisites:** None

This course introduces DC and AC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include DC and AC principles, circuit analysis laws and theorems, components, test equipment operation, circuit simulation, and other related topics. Upon completion, students should be able to interpret circuit schematics design, construct, verify, and analyze DC/AC circuits and properly use test equipment.(2013 FA)

**ELC-215      Electrical Maintenance****3 (2-3)    AND****Prerequisites:** None**Corequisites:** None

This course introduces the theory of maintenance and the skills necessary to maintain electrical equipment found in industrial and commercial facilities. Topics include maintenance theory, predictive and preventive maintenance, electrical equipment operation and maintenance, and maintenance documentation. Upon completion, students should be able to perform maintenance on electrical equipment in industrial and commercial facilities.(2007 FA)