

# ECET 1101: Circuit Analysis I

Emphasizes the knowledge and ability to analyze basic DC circuits and introductory concepts of AC circuits. Topics include: international units, basic electrical laws, series and parallel circuits, network analysis concepts, network theorems concepts, D.C. instruments, grounding techniques, magnetism, inductance/capacitance, transient analysis, and introduction to dependent sources and 2-port parameters. Laboratory work parallels class work.

**Credits:** 4

**Co-Requisites:**

ENGT 1000

MATH 1111

**Program:** [Engineering Technology](#)