

ELET 102C : Circuit Analysis II

A continuation of ELET 101C; covers AC circuit analysis techniques including mesh and nodal analysis, and network theorems such as Norton's, Thevenin's, and maximum power transfer. Treatment is given to circuits containing dependent and independent sources of voltage and current. Resonance and basic filters are covered in detail as well as magnetism. Additional topics covered include transformers and three-phase circuits. Lab experiments are designed to reinforce the classroom work.

Credits 4

Lab/Practicum/Clinical Hours 3

Lecture Hours 3

Prerequisite Courses

ELET 101C

ENGL 101C

MATH 124C