

ENGR4270 : Advanced Circuits

Application of the laws and techniques of circuits analysis to ac circuits. Complex numbers and algebra with an emphasis on phasor representation of circuits. Calculation of the frequency response of circuits. Single and three-phase power distribution, motors and generators. Analysis of AC steady-state circuits, complex power, power factor correction, magnetically coupled circuits. Laplace and Fourier transforms. Representation of circuits by two-port models. **Fee:** Additional fee required.

Credits 3

Prerequisite Courses

ENGR2210

Fees

\$300