

ENGR3110 : Engineering Thermodynamics

Introduction to classical thermodynamics through the second law; system and control volume analysis of thermodynamic processes; irreversibility and availability. Energy and the first law. Entropy and the second law. Conventional power and refrigeration cycles. Equations of state, ideal-gas mixtures, properties of gaseous mixtures, combustion and chemical equilibrium. **Fee:** Additional fee required.

Credits 3

Concurrent

ENGR31100

Prerequisites

[MATH3540](#), [CHEM2230](#), [PHYS2120](#)

Fees

\$330