

# ENR208 : Thermodynamics

Thermodynamics (a branch of physics) is a study of heat and temperature and their relation to energy and work. The laws of thermodynamics describe how fundamental physical quantities (temperature, energy, and entropy) behave under various circumstances. The course focuses on concepts of thermodynamics, the laws of thermodynamics, work, heat, energy, the Carnot Cycle, energy conservation, enthalpy, specific heat, efficiency, entropy, phase, phase change, heat engines, and heat transfer.

**Credits** 3

**Prerequisite Courses**

[CHM151: General Chemistry I](#)

[MAT250: Calculus II](#)

**Semester Offered**

Varies