

# ENGR 2302 : Material and Energy Balances

This course covers the principles of mass and energy conservation and their application in process analysis and design. It includes topics such as stoichiometry, conservation of mass and energy, reaction stoichiometry, thermodynamic properties, and the use of process simulators to model and analyze chemical processes. Through problem-solving exercises, case studies, and design projects, students will learn how to apply their knowledge to analyze and design chemical processes in various industries.

**Credits** 3

**Course ID**

009471

**Requisites**

[ENGR 2302](#) Prerequisite: [ENGR 1300](#)

**Semester Offered**

[Fall semester](#)