

# CHE 4403 : Chemical Engineering Design

Design of equipment, systems and plants; discussion of factors important in chemical plant design such as: economics, cost estimation, profitability, process selection, materials of construction, process control, plant location and safety. Introduction to optimization and computer-aided design. Principles are illustrated with short industrial-type problems.

**Department**

Chemical Engineering

**Category**

Category I (offered at least 1x per Year)

**Units** 1/3

**Recommended Background**

Thermodynamics; heat, mass and momentum transfer; inorganic and organic chemistry; chemical kinetics and reactor design.