

# CHEE 453. PROCESS DESIGN.

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Credits: 4

Offered by: Chemical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

## Description

The role of the chemical engineer. Steps in the preparation of a process design. Detailed information about most common chemical engineering equipment. Materials of construction. Analysis of process control and application to large systems. Structure of process design systems. Safety, environmental control in plant design. Process design costing and return on investment. Computer-aided process and plant design programs.

- (3-3-6)
- Corequisite(s): CHEE 315; CHEE 351

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