

CHEM 5302 : Chemical Reactors and Separation Processes

Course aims to equip students with the practical tools needed to apply reaction kinetics and thermodynamics in an industrial setting. Topics covered include: chemical reaction kinetics; homogeneous and catalytic reactions; batch, continuously-stirred, plug-flow, and fixed bed reactors; thermodynamics and mass transfer of separation processes; distillation; absorption and adsorption; membranes.

Credits 3

Course ID

008473

Semester Offered

Fall semester