Chemical Engineering

Overview
Academics & Admissions
Programs
Courses
Faculty

Courses
- Engr 321: Thermodynamics
- Engr 322: Transport Phenomena
- Engr 450: Product Design and Development
- Ch E 101: Introduction to Chemical Engineering
- Ch E 251: Programming for Chemical Engineering
- Ch E 307: Chemical Process Principles I
- Ch E 308: Chemical Process Principles II
- Ch E 317: Process Fluid Dynamics and Heat Transfer
- Ch E 318: Chem Engineering Heat and Mass Transfer
- Ch E 330: Chemical Eng. R & D Experience
- Ch E 345: Engineering Economy
- Ch E 407: Chemical Engineering Projects I
- Ch E 408: Chemical Engineering Projects II
- Ch E 411: Chemical Engineering Seminar
- Ch E 412: Process Control and Safety
- Ch E 413: Chemical Process Safety
- Ch E 417: Separation Processes
- Ch E 421: Chemical Engineering Thermodynamics
- Ch E 423: Chemical Reactor Analysis and Design
- Ch E 431: CHE Mass and Energy Balance Lab
- Ch E 432: CHE Unit Operations Lab
- Ch E 433: CHE Design Lab
- Ch E 449: Process Design
- Ch E 450: Process Optimization
- Ch E 451: Plant Design I
- Ch E 452: Product and Process Development
- Ch E 470: Principles of Lean Six Sigma
- Ch E 511: Process Dynamics and Control
- Ch E 513: Special Topics in Chemical Engineering
- Ch E 515: Research Seminar
- Ch E 520: Biochemical Engineering
- Ch E 521: Drug and Gene Delivery
- Ch E 522: Immunoengineering
- Ch E 523: Molecular and Cellular Biophysics
- Ch E 524: Microscopy for Engineers
- Ch E 528: Polymer Processing
- Ch E 535: Experimental Methods in Engineering
- Ch E 540: Coating Materials Process & Applications
- Ch E 543: Introduction to Polymer Science
- Ch E 545: Colloid and Surface Science
- Ch E 547: Surfactant Science and Applications
- Ch E 550: Membrane Science and Engineering
- Ch E 560: Advanced Transport Phenomena I
- Ch E 561: Advanced Transport Phenomena II
- Ch E 593: Graduate Projects in Chemical Engr
- Engr 540: Environmental Organic Transport Phenomena