

Chemical Engineering

- Ch E 101: Introduction to Chemical Engine
- Ch E 103: Introduction to Chemical Engineering I
- Ch E 104: Introduction to Chemical Engineering II
- Ch E 251: Programming for Chemical Engineering
- Ch E 307: Chemical Process Principles I
- <u>Ch E 308: Chemical Process Principles II</u>
- <u>Ch E 309: Intro to Chemical Engineering Design</u>
- <u>Ch E 313: Modeling and Simulation I</u>
- <u>Ch E 314: Modeling and Simulation II</u>
- Ch E 317: Process Fluid Dynamics and Heat Transfer
- <u>Ch E 330: Chemical Eng. R & D Experience</u>
- <u>Ch E 345: Engineering Economy</u>
- <u>Ch E 407: Chemical Engineering Projects I</u>
- <u>Ch E 408: Chemical Engineering Projects II</u>
- <u>Ch E 411: Chemical Engineering Seminar</u>
- <u>Ch E 412: Process Control and Safety</u>
- <u>Ch E 413: Chemical Process Safety</u>
- <u>Ch E 417: Separation Processes</u>
- <u>Ch E 421: Chemical Engineering Thermodynamics</u>
- <u>Ch E 423: Chemical Reactor Analysis and Design</u>
- Ch E 431: ChE Mass and Energy Balance Lab
- Ch E 432: ChE Unit Operations Lab
- <u>Ch E 433: ChE Design Lab</u>
- <u>Ch E 445: Chemical Engineering Lab I</u>
- <u>Ch E 446: Chemical Engineering Lab II</u>
- Ch E 449: Process Design
- <u>Ch E 450: Process Optimization</u>
- <u>Ch E 451: Plant Design I</u>
- <u>Ch E 452: Plant Design II</u>
- <u>Ch E 460: Product Design I:Development, Evaluation</u>
- Ch E 461: Product Design II: Product Realization
- 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
- <u>Ch E 524: Microscopy for Engineers</u>
- <u>Ch E 528: Polymer Processing</u>
- Ch E 530: Coal Utilization and Pollutants Control
- <u>Ch E 535: Experimental Methods in Engineering</u>
- Ch E 540: Coating Materials Process & Applications
- <u>Ch E 541: Appl of Chemical Instrumentation I</u>
- <u>Ch E 542: Appl of Chemical Instrumentation II</u>
- <u>Ch E 543: Introduction to Polymer Science</u>
- Ch E 545: Colloid and Surface Science
- Ch E 547: Sufactant Science and Applications
- <u>Ch E 550: Membrane Science and Engineering</u>
- <u>Ch E 560: Advanced Transport Phenomena I</u>
- <u>Ch E 561: Advanced Transport Phenomena II</u>
- <u>Ch E 593: Graduate Projects in Chemical Engr</u>
- Engr 540: Environmental Organic Transport Phenomen
- Engr 542: Molecular Modeling of Nano Materials
- Engr 544: Synth and Fab of Nano Materials
- Engr 545: Polymer Nanocomposites
- Engr 630: Unit Process & Oper in Env Eng I
- Engr 633: Process Dynamics and Control I

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- Engr 663: Advanced Rate and Equilibrium Processes
- Engr 665: Thermodynamics of Chemical Systems
- Engr 667: Mass Transfer I
- Engr 669: Chemical Reaction and Reactor Analysis I
- Engr 670: Chemical Reaction & Reactor Analysis II
- M E 555: Heating Ventilation and Air-Conditioning

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