

Chemical Engineering

Revised 10/2023

Course	Pre-requisites
CENG 110, Introduction to Chem. Engr.	None
CENG 210, Material and Energy Balances	CHEM 231, MATH 207, CENG 110
CENG 220, Fluid Mechanics	CENG 210, PHYS 310, Co-requisite MATH 208
CENG 250, Chem. Engr. Thermodynamics I	CENG 210, MATH 208
CENG 310, Heat Transfer	CENG 220
CENG 320, Unit Operations Lab I	MENG 237, Co-requisite CENG 310
CENG 350, Chem. Engr. Thermodynamics II	CENG 250
CENG 360, Chemical Reaction Eng.	Co-requisite CENG 310
CENG 380, Mass Transfer	CENG 310, CENG 350
CENG 390, Engineering Ethics & Society	Junior Standing
CENG 400, Intro. To Biochemical Engr.	CENG 360
CENG 410, Transport Phenomena	CENG 310
CENG 415, Bioseparation Engineering	CENG 380
CENG 420, Unit Operations Lab II	CENG 380
CENG 430, Process Control & Instrumentation	CENG 310, CENG 360, Math 307
CENG 440, Process Contr. & Instr. Lab	Co-requisite CENG 430
CENG 441, EIT Review	Junior Standing
CENG 450, Environmental Engr. Fund.	Senior Standing
CENG 460, Indust. Pollut. & Abatement Proc.	CENG 450
CENG 470, Chem. Engr. Plant Design	CENG 310, CENG 360, CENG 380; Corequisite: CENG 430
CENG 490, Senior Design Project	CENG 470
CENG 495, Special Topics	Senior Standing

Chemistry

Course	Pre-requisite
CHEM 231, General Chemistry I	Co-requisites Math 107, CHEM 233
CHEM 232, General Chemistry II	Pre-requisite CHEM 231, Co-requisite CHEM 234
CHEM 233, General Chemistry Lab I	Co-requisite CHEM 231
CHEM 234, General Chemistry Lab II	Pre-requisite CHEM 233, CHEM 231, Co-requisite CHEM 232
CHEM 307, Quantitative Analysis	Pre-requisite CHEM 232, 234, Co-requisite CHEM 308
CHEM 308, Quantitative Analysis Lab	Co-requisite CHEM 307
CHEM 320, Organic Chemistry I	Pre-requisite CHEM 232, 234, Co-requisite CHEM 322
CHEM 321, Organic Chemistry II	Pre-requisite CHEM 320, Co-requisite CHEM 323
CHEM 322, Organic Chemistry Lab I	Co-requisite CHEM 320
CHEM 323, Organic Chemistry Lab II	Co-requisite CHEM 321
CHEM 401, Physical Chemistry	Pre-requisite Math 208, PHYS 311, CHEM 320, CHEM 307
CHEM 403, Experimental Physical Chemistry	Pre-requisite CHEM 322, CHEM 308, Co-requisite CHEM 401