

Chemical Engineering Electives List

Updated 8.23.24 (Two Pages)

1. Physical Chemistry Elective—3 hours required

Chemistry, CHM 585, CHM 595

2. Advanced Laboratory Experience Electives—2 hours required

Biochemistry, BIOCH 522, BIOCH 756

Chemistry, CHM 532, CHM 551, CHM 566, CHM 596

3. Biology, Chemistry, and Biochemistry Electives—3 hours required

Biochemistry, BIOCH 521, BIOCH 755, BIOCH 765

Biology, BIOL 450, BIOL 455, BIOL 500, BIOL 529, BIOL 541

Chemistry, CHM 550, CHM 566, CHM 585, CHM 595

4. Materials Elective—3 hours required

Chemical Engineering, CHE 354, 355, and 356

Biomedical Engineering, BME 430 / CHE 580

5. Engineering Topics Electives—3 hours required

Architectural Engineering, ARE 311(Through Fall '20) to ARE 799

Biological and Agricultural Engineering, BAE 499 to BAE 799

Civil Engineering, CE 212, CE 411 (Through Summer '21) to CE 528, CE 531 to CE 799

Chemical Engineering, CHE 355, CHE 356, CHE 417, CHE 497, CHE 499, CHE 580 to CHE 799

Computer Science, CIS 200 to CIS 400, CIS 450 to CIS 690, CIS 705 to CIS 798, CC 210 to CC 590

Electrical and Computer Engineering, ECE 210 to ECE 799

General Engineering, DEN 161

Industrial and Manufacturing System Engineering, IMSE 250 to IMSE 799

Mechanical Engineering, ME 212, ME 400, ME 533 to ME 570, ME 574 to ME 799

Nuclear Engineering, NE 250 to NE 799

6. Chemical Engineering Electives—3 hours required

Chemical Engineering, CHE 354, CHE 355, CHE 356, CHE 417, CHE 497, CHE 499, CHE 580 to CHE 799

7. Technical Electives as part of Honors Chemistry Track (CHM 220 & CHM 250)—2 hours required

Courses from item 4, Engineering Topics electives

OR

Biology, BIOL 300 and above

Biochemistry, BIOCH 400 and above

Chemistry, CHM 550, CHM 566, CHM 585, CHM 595

Geology, GEOL 300 and above

Math, MATH 300 and above

Physics, PHYS 300 and above

Statistics, STAT 400 and above