

## C. Chemical Engineering 3-2/3-3 Program Track

### Required Lower-Division Courses: 34 units

CHM 005, 006 General Chemistry I, II (4,4)  
MA 009, 010 Elementary Calculus I, II (4,4)  
MA 019 Multivariable Calculus (4)  
PHY 021, 023 General Physics I, II (4,4)  
PHY 022, 024 General Physics Laboratory I, II (1,1)  
PHY 040 Differential Equations (4)

### Required Upper-Division Courses: ~~22~~ 21 units

CHM 101, 102 Organic Chemistry I, II (4,4)  
CHM 121 Introductory Analytical Chemistry (4)  
~~CHM 122 Advanced Analytical Chemistry (2)~~  
~~CHM 125 Analog and Digital Instrumental Analysis (4)~~  
CHM 130 Physical Chemistry I (3)  
CHM 132 Physical Chemistry Laboratory I (1)  
PHY 142 Circuits and Electronics (4)  
PHY 143 Electronics Laboratory (1)

### Highly Recommended Courses:

MA 020 Linear Algebra (4)  
CS 010 Introduction to Computer Science I (4)