

Suggested Plan of Study, revised May 2021

Fall—Year 1

MATH 2554, Calculus I  
CHEM 1103, University Chemistry I  
ENGL 1013, Composition I  
HIST 2003, HIST 2013 or PLSC 2003  
Fine Arts Elective, 3 hours  
GNEG 1111, Introduction to Engineering I  
17 hours

Fall—Year 2

MATH 2584, Differential Equations  
CHEM 3603, Organic Chemistry I  
CHEM 3601L, Organic Chemistry I Lab  
CHEG 2113, Intro to Chemical Engineering  
PHYS 2074, University Physics II  
15 hours

Fall—Year 3

CHEM 3813, Intro to Biochemistry or  
CHEM 4813H, Honors Biochemistry I  
CHEG 3144, Heat and Mass Transfer  
CHEG 3323, Thermodynamics of  
Multicomp. Systems  
ECON 2143, Basic Economics (ECON 2013  
may be substituted)  
Humanities Elective, 3 hours  
16 hours

Fall—Year 4

CHEG 4163, Separation Processes  
CHEG 4413, Chem Engr Design I  
CHEG 4813, Chemical Process Safety  
Advanced Science Elective, 3 hours  
Technical elective, 3 hours  
15 hours

Spring—Year 1

MATH 2564, Calculus II  
CHEM 1123, University Chemistry II  
CHEM 1121L, University Chemistry II Lab  
ENGL 1033, Technical Composition II  
PHYS 2054, University Physics I  
GNEG 1121, Introduction to Engineering II  
16 hours

Spring—Year 2

MATH 2574, Calculus III  
CHEM 3613, Organic Chemistry II  
CHEM 3611L, Organic Chemistry II Lab  
CHEG 2133, Fluid Mechanics  
CHEG 2313, Thermodynamics of Single Comp  
Social Science Elective, 3 hours  
17 hours

Spring—Year 3

CHEG 3713, Materials Technology  
CHEG 3333, Chemical Engr Reactor Design  
CHEG 3253, Computer Methods  
CHEG 3233, CHEG Lab I (Junior Lab)  
Social Science Elective, 3 hours  
Technical Elective, 3 hours  
18 hours

Spring—Year 4

CHEG 4332, CHEG Lab II (Senior Lab)  
CHEG 4423, Auto Process Control  
CHEG 4443, Chem Engr Design II  
Advanced Science or CHEG elective, 3 hours  
Advanced Science or CHEG elective, 3 hours  
14 hours