

Chemical Engineering/Chemistry Double Major (Plan A1-AP5 in Chemistry)

Freshman Year

Fall Quarter

CHEM251 Organic I	4
CHEM276 Dir Lab Studies*	1
MA111 Calculus I	5
RH131 or HSS Elective	4
EM104 Graph Com.	2
Total	16

Winter Quarter

CHEM252 Organic II	4
MA112 Calculus II	5
PHY111 Physics I	4
RH131 or HSS Elective	4
Total	17

Spring Quarter

CHEM253 Organic Chemistry III	4
MA113 Calculus III	5
PHY112 Physics II	4
EM103 Intro. to Design	2
CHE110 Chemical Eng. Programming	2
Total	17

*Recommended but not required

Sophomore Year

Fall Quarter

CHEM225 Analytical Chem I	4
MA221 Differential Equations I	4
CHE200 Career Prep.	0
CHE201 Conservation Principles	4
HSS Elective	4
Total	16

Winter Quarter

CHEM241 Descriptive Inorganic	2
CHEM360 Physical Chem. for Engineers	4
MA222 Differential Equations II	4
EM101 Statistics I	2
CHE202 Proc Calc	4
HSS Elective	4
Total	20

Spring Quarter

CHEM301 Chem. Lit.	2
CHEM363 Quantum Chemistry	4
CHE303 Thermo. I	4
CHE301 Fluid Mechanics	4
HSS Elective	4
Total	18

Junior Year

Fall Quarter

CHEM326 Analytical Chem II	4
CHE300 Career Prep. II	0
CHE304 Thermo II	4
CHE314 Heat Transfer	4
CHE315 Material Science	4
HSS Elective	4
Total	20

Winter Quarter

CHEM327 Analytical Chem III	4
CHEM330 Biochemistry	4
CHE325 Mass Transfer	4
RH330 Tech Comm.	4
Total	16

Spring Quarter

CHEM451 OSD	4
CHEM490 Chemical Research	1
ECE206 EEE	4
CHE404 Kinetics	4
CHE411 Lab I	1
CHE410 Data Collection	2
Total	16

Senior Year

Fall Quarter

CHEM441 Inorganic Chem I	4
CHEM490 Chemistry Research	1
CHEM401 Chemistry Seminar I	1
CHE409 Prof Prac	1
CHE412 Lab II	2
CHE416 Design I	4
CHExxx Design Elective	4
Total	17

Winter Quarter

CHEM442 Inorganic Chemistry II	4
CHEM402 Seminar II	1
CHEM490 Chemistry Research	1
CHE440 P Control	4
CHE413 Lab III	2
CHE417 Design II	4
Total	16

Spring Quarter

CHEM403 Seminar III	1
CHE418 Design III	2
CHExxx Design Elective	4
MA223 Engineering Statistics	4
HSS Elective	4
HSS Elective	4
Total	19