

Chemistry				
Path to the Major	BA	BS	Intensive	BS/MS
Prerequisite for entering the major	General Chemistry I and II Chem 161 and 165 or Chem 163 and 167 Chem 134L and 136L			
	Integral Calculus Math 115			
	Introductory Physics 170 or higher (180, 200 or 260)			
	10 credits 11 courses	13 credits 14 Courses	15 credits 16 Courses	Intensive + 4 grad courses
2 Semesters Organic Chemistry (with Labs) Chem 174 or 220 and Chem 175, 221, or 230. Chem 222L and 223L			Application by end of 5th term	
Physical Chemistry 332 or 328	Two Physical Chemistry courses (with 1 Lab) 332, 333 and 330L		Chem 490 during 5th/6th term	
Inorganic Chemistry Chem 252			Research between Jr/Sr year	
N/A		Physics 171, 181, 201, or 261	N/A	
4 Addtl course credits At least 1 lecture, 1 lab	5 Advanced course credits At least 2 lectures and 1 lab			
Senior Requirement	Senior Seminar Chem 400	2 Semesters Research Chem 490 or Chem 400 + advanced additional course	2 Semesters Research Chem 490	4 Semesters Research including 2 in Chem 990
Substitution Needs DUS permission	Up to 2 relevant advanced science courses in other departments for advanced chem courses			N/A

Possible BA Sequence

Fall

Spring

Year 1

Chem 161, 134L
Math pre-req

Chem 165, 136L
Math pre-req

Year 2

Chem 220, 222L
Phys pre-req

Chem 221, 223L

Year 3

Chem 332

Chem 226L
1 Elective

Year 4

Chem 400
1 Elective

1 Elective

Possible Intensive Sequence

Fall

Spring

Year 1

Chem 163, 134L
Math pre-req

Chem 167, 136L
Math pre-req

Year 2

Chem 220, 222L
Phys pre-req

Chem 221,
223L, 252, Phys
pre-req

Year 3

Chem 332, 330L

Chem 333, 226L
1 Elective

Year 4

Chem 490
2 Electives

Chem 490
1 Elective

Possible BS Sequence

Fall

Spring

Year 1

Chem 161, 134L
Math pre-req

Chem 165, 136L
Math pre-req

Year 2

Chem 220, 222L
Phys pre-req

Chem 221, 223L

Year 3

Chem 332, 330L

Chem 333, 252,
251L

Year 4

Chem 490
2 Electives

Chem 490
1 Elective

Possible BS/MS Sequence

Fall

Spring

Year 1

Chem 174, 222L
Math & Phys
pre-req

Chem 175, 223L
Math & Phys
pre-req

Year 2

Chem 330L, 332

Chem 333, 252,
251L

Year 3

Chem 490
2 Electives

Chem 490
2 Electives

Year 4

Chem 990
2 Electives

Chem 990
2 Electives