

CHEMISTRY MAJOR

Plan of Study

Course	Title	Credits
First Year		
Fall		
CHEM 1171	General Chemistry I	3
CHEM 1171L	General Chemistry I Lab	1
MATH 1141 or MATH 1171	Calculus I for Chemistry, Engineering, and Physics Majors or Calculus I	4
PHYS 1171	General Physics I	3
PHYS 1171L	General Physics I Lab	1
Core Courses		6
Credits		18
Spring		
CHEM 1172	General Chemistry II	3
CHEM 1172L	General Chemistry II Lab	1
MATH 1142 or MATH 1172	Calculus II for Chemistry, Engineering, and Physics Majors or Calculus II	4
PHYS 1172	General Physics II	3
PHYS 1172L	General Physics II Lab	1
Core Courses		6
Credits		18
Second Year		
Fall		
CHEM 2271	Organic Chemistry I	3
CHEM 2271L	Organic Chemistry I Lab	1
MATH 2243 or MATH 2273	Calculus III for Chemistry, Engineering, and Physics Majors or Multivariable Calculus	4
Core Courses and Electives		9
Credits		17
Spring		
CHEM 2272	Organic Chemistry II	3
CHEM 2272L	Organic Chemistry II Lab	1
CHEM 2282	Chemical Analysis	3
CHEM 2282L	Chemical Analysis Lab	1
Core Courses and Electives		9
Credits		17
Third Year		
Fall		
CHEM 3326	Chemical Instrumentation ¹	3
CHEM 3361	Physical Chemistry I	3
CHEM 3361L	Physical Chemistry I Lab	1
Core Courses and Electives		6
Credits		13
Spring		
CHEM 3326L	Instrumental-Analytical Chemistry Lab ¹	3
CHEM 3362	Physical Chemistry II	3

CHEM 3362L	Physical Chemistry II Lab	1
Core Courses and Electives		9
Credits		16
Fourth Year		
Fall		
CHEM 3341	Advanced Inorganic Chemistry ¹	3
Core Courses and Electives		12
Credits		15
Spring		
CHEM 3323L or BIOL 3323L	Biochemistry Lab ¹ or Biochemistry Lab	1
CHEM 3324 or BIOL 3324	Biochemistry I ¹ or Biochemistry I	3
Core Courses and Electives		12
Credits		16
Total Credits		130

¹ May be taken in either third or fourth year.

Students are encouraged to meet with their academic advisors in the Department to discuss variations of the recommended Plan of Study, for example to pursue study abroad and/or research opportunities.