

B.S. IN CHEMISTRY

This is an American Chemical Society certified major.

Code	Title	Credits
Major in Chemistry (B.S.)		
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 200	Laboratory Safety and Chemical Hygiene	1
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
CHE 226 & CHE 227	Organic Chemistry II and Organic Chemistry II Lab	4
CHE 312 & CHE 313	Quantitative Analysis and Quantitative Analysis Lab	4
CHE 320 & CHE 321	Instrumental Analysis and Instrumental Analysis Lab	4
CHE 344 & CHE 345	Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4
CHE 348 & CHE 349	Quantum Chemistry and Spectroscopy and Quantum Chemistry and Spectroscopy Lab	4
CHE 364 & CHE 365	Advanced Inorganic Chemistry and Advanced Inorganic Chemistry Lab	4
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab ¹	4
CHE 395	Chemistry Seminar: Research and Professional Development	1
CHE 490	Chemistry Seminar: Research	2
CHE 494	Chemistry Seminar: Research Presentation	1
Electives from 300- or 400-level chemistry courses		6
MAT 123M	Precalculus ²	3
MAT 124M	Calculus 1	4
MAT 125	Calculus 2	4
MAT 222 or MAT 223	Differential Equations Multivariable Calculus	3
PHY 292 & PHY 292D	General Physics I and General Physics I Lab	4
PHY 296 & PHY 297	General Physics II and General Physics II Lab	4
Code	Title	Credits
Major		73
General Education		40-41
Electives		8-9
Total Credits		122

¹ The BIO 120/BIO 120D or BIO 124/BIO 124D prerequisite for this course may be waived for B.S. in Chemistry majors.

² Students may test into this course via successful completion of the Math and Computer Science department placement exam or by completing MAT 123M and the Math and Computer Science department placement exam requirements.

Courses whose number is followed by a letter fulfill a General Education requirement.

Students may not declare a B.A. in Chemistry and a B.S. in Chemistry.

Students may not declare a B.S. in Chemistry and a Minor in Chemistry.