

Chemistry

Program Type

Major

Required Chemistry Courses

Course Code	Title	Hours
CHM 303	Organic Chemistry I	4
CHM 304	Organic Chemistry II	4
CHM 406	Advanced Inorganic Chemistry	3
CHM 415	Analytical Chemistry	4
CHM 452	Biochemistry	3
CHM 470	Junior Seminar	1
CHM 475	Junior Research	1
CHM 502	Physical Chemistry I	4
CHM 503	Physical Chemistry II	4
CHM 522	Instrumental Analysis	4
CHM 570	Senior Seminar	1
	Sub-Total Credits	33

Other Required Courses

Course Code	Title	Hours
BIO 200	Cellular and Molecular Biology	4
MTH 220	Calculus II	4
PHY 201	University Physics I	4
PHY 202	University Physics II	4
	Sub-Total Credits	16

[PHY-201](#) and [PHY-202](#) (or [PHY-101](#) and [PHY-102](#)) or their equivalents are required for the chemistry major and should be completed prior to the junior year in order to meet prerequisites for upper-level courses. All chemistry majors must also pass a standardized comprehensive chemistry examination prior to graduation.

Total Credits: 38 + Cognates

ACS-Certified Degree Requirements (Optional)

Requirements for an ACS-certified degree include all of the above, although Physics 101-102 may not be substituted for 201-202, as well as:

Course Code	Title	Hours
CHM 454	Laboratory Techniques in Biochemistry	1
	CHM 403, 419, 453 or 504	3
CHM 575	Senior Thesis	1
	Sub-Total Credits	5

A senior year comprehensive examination is also required.