

B.A. Chemistry Degree

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.

First Year

Fall

Course	Prerequisite	Credit
CH 1134: Professional Development Seminar for Chemists		1
CH 1150: University Chemistry I		3
CH 1151: University Chemistry I Lab		1
CH 1153: University Chemistry I Recitation		1
MA 1160: Calculus with Technology I	MA 1032	4
UN 1015 Composition		3
Essential Education: Activities for Well-being and Success		1
Total		14

Spring

Course	Prerequisite	Credit
CH 1160: University Chemistry II	CH 1150	3
CH 1161 University Chemistry Lab II	CH 1151	1
CH 1163 University Chemistry II Recitation		1
Essential Education: Foundations of the Human World		3
PH 1110 College Physics I		3
PH 1100: Physics by Inquiry		1
Free Electives		2
Total		14

Second Year

Fall

Course	Prerequisite	Credit
Essential Education: Arts & Culture		3
CH 2430: Mechanistic Organic Chemistry	CH 1160	3
CH 2411: Organic Chemistry I Lab	CH 1161	1
PH 1200: Physics by Inquiry II	CH 1100	1
PH 1210: College Physics II	CH 1110	3
Essential Education: Activities for Well-being and Success		1
Free Electives		3
Total		15

Spring

Course	Prerequisite	Credit
Essential Education: Intercultural Competency		3
Essential Education: SHAPE		3
CH 2440: Synthetic Organic Chemistry	CH 2430	2
CH 2420: Organic Chemistry II Lab	CH 2410	2
CH 2710: Computing in Chemistry	CH 1160	3
Free Electives		3
Total		16

Third Year

Fall

Course	Prerequisite	Credit
CH 3124: Communication for the Chemical Sciences	UN 1015	3
CH 3310: Analytical Chemistry I	CH 1160	3
CH 3311: Analytical Chemistry I Lab	CH 1161	1
CH 4710: Biomolecular Chemistry	CH 2440	3
Free Electives		2
Total		16

Spring

Course	Prerequisite	Credit
CH 3500: Physical Chemistry for the Natural Sciences	PH 1200	3
Essential Education: Experience		3
Free Electives		9
Total		15

Fourth Year

Fall

Course	Prerequisite	Credit
Major Electives *		6
Free Electives		9
Total		15

Spring

Course	Prerequisite	Credit
Major Electives *		3
Free Electives		12
Total		15

Grand Total = 120 Credits

* Major Electives are selected from an approved Major Electives list.