

B.A. in Chemistry 2020-2021: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab *1	4	GES 125 Introduction to the Creative Arts	4	CHE 214 & CHE 215 (or elective if CHE208/208D was taken in the fall) General Chemistry IIGeneral Chemistry II Lab *1	4
OR				MAT 125 Calculus 2	4
CHE 208 & CHE 208D Accelerated General Chemistry and Accelerated General Chemistry Lab *1				BIB 101 Introduction to the Bible	3
GES 130 Christianity Western Culture	4			GES 160 Inquiry Seminar	3
GES 140 Introduction to Wellbeing	3				
MAT 124M Calculus 1	4				
	15		4		14
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 200 Laboratory Safety and Chemical Hygiene	1	World Cultures (U) course	3	CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab	4
CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab	4			PHY 296 & PHY 297 General Physics II and General Physics II Lab	4
PHY 292 & PHY 292D General Physics I and General Physics I Lab	4			THE 201 Christian Theology	3
Second Language (S) course *2	4			Artistic Experience (A) course	0-3
Contemporary Western Life and Thought (L) course	3				
	16		3		14-Nov
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 395 Chemistry Seminar: Research and Professional Development	1	Science, Technology, and Society (K) course	3	CHE 312 & CHE 313 Quantitative Analysis and Quantitative Analysis Lab	4
CHE 344 & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4			CHE 490 Chemistry Seminar: Research	2
Chemistry Elective	4			Chemistry Elective	4
Interpreting Biblical Themes (J) course	3			Comparative Systems (G) course	3
Leisure and Lifetime Sports (Q) course	1			Cross Cultural Experience (Z) course	0-3
	13		3		13-16
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
Electives	12	Interim Off		CHE 494 Chemistry Seminar: Research Presentation	1
Chemistry Elective	4			Contemporary Christian Issues (P) course	3
				Electives	11
	16		0		15
Total Credits 123-129					

*1. [CHE 208/CHE 208D](#) is a one-semester course that meets the requirements of [CHE 113/CHE 113D](#) and [CHE 214/CHE 215](#). Students taking [CHE 208/CHE 208D](#) may choose an elective in the Spring of their Freshman year.

*2. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

This program assumes a student will use [CHE 113](#) General Chemistry I/[CHE 113D](#) General Chemistry I Lab and [MAT 124M](#) Calculus 1 to meet the General Education Laboratory Science (D) and Mathematics (M) course requirements.

Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)

B.A. in Chemistry 2020-2021: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab *1	4	GES 147 Humanities II: Renaissance and Reformation	4	CHE 214 & CHE 215 (or elective if CHE208/208D was taken in fall) General Chemistry IIGeneral Chemistry II Lab *1	4
OR				MAT 125 Calculus 2	4
CHE 208 & CHE 208D Accelerated General Chemistry and Accelerated General Chemistry Lab *1				GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
MAT 124M Calculus 1	4			BIB 101 Introduction to the Bible	3
GES 140 Introduction to Wellbeing	3				
GES 145 Humanities I: Greco-Roman through Middle Ages	4				
	15		4		15
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 200 Laboratory Safety and Chemical Hygiene	1	World Cultures (U) course	3	CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab	4
CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab	4			PHY 296 & PHY 297 General Physics II and General Physics II Lab	4
PHY 292 & PHY 292D General Physics I and General Physics I Lab	4			Second Language (S) course *2	4
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			Elective	3
	13		3		15
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 395 Chemistry Seminar: Research and Professional Development	1	Science, Technology, and Society (K) course	3	CHE 312 & CHE 313 Quantitative Analysis and Quantitative Analysis Lab	4
CHE 344 & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4			CHE 490 Chemistry Seminar: Research	2
Chemistry Elective	4			Chemistry Elective	4
Interpreting Biblical Themes (J) course	3			Comparative Systems (G) course	3
Leisure and Lifetime Sports (Q) course	1			Elective	3
	13		3		16
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
Electives	8	Interim Off		CHE 494 Chemistry Seminar: Research Presentation	1
Chemistry Elective	4			Contemporary Christian Issues (P) course	3
Artistic Experience (A) course	0-3			Electives	8
				Cross Cultural Experience (Z) course	0-3
	15-Dec		0		15-Dec
Total Credits 121-127					

*1. [CHE 208/CHE 208D](#) is a one-semester course that meets the requirements of [CHE 113/CHE 113D](#) and [CHE 214/CHE 215](#). Students taking [CHE 208/CHE 208D](#) may choose an elective in the Spring of their Freshman year.

*2. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

This program assumes a student will use [CHE 113/CHE 113D](#) and [MAT 124M](#) to meet the General Education Laboratory Science (D) and Mathematics (M) course requirements.

Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)