

B.A. in Chemistry 2016-2017: Option 1 - CWILT

First Year				
Fall	Credits	Interim	Credits Spring	Credits
CHE113 & 113D General Chemistry I and General Chemistry I Lab *1	4	Nature of Persons (N) course	3 CHE214 & CHE215 General Chemistry II and General Chemistry II Lab (or elective if CHE208/208D was taken in fall) *2	4
MAT124M Calculus *1	4		MAT125 Calculus *2	4
GES106 Introduction to Liberal Arts	1		BIB101 Introduction to the Bible	3
GES110 College Writing	3		GES125 Introduction to the Creative Arts	4
GES130 Christianity Western Culture	4			
	16		3	15
Second Year				
Fall	Credits	Interim	Credits Spring	Credits
CHE224 & CHE225 Organic Chemistry I and Organic Chemistry I Lab	4	World Cultures (U) course	3 CHE226 & CHE227 Organic Chemistry II and Organic Chemistry II Lab	4
PHY292 & 292D General Physics I and General Physics I	4		PHY296 & PHY297 General Physics II and General Physics II Lab	4
Second Language (S) course *2	4		THE201 Christian Theology	3
Contemporary Western Life and Thought (L) course	3		PEA100 Physical Wellness for Life	1
			Artistic Experience (A) course	0-3
	15		3	12-15
Third Year				
Fall	Credits	Interim	Credits Spring	Credits
CHE395 Chemistry Seminar: Research and Professional Development	1	Science, Technology, and Society (K) course	3 CHE312 & CHE313 Quantitative Analysis and Quantitative Analysis Lab	4
CHE344 & CHE345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4		CHE490 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
CHE490 Chemistry Seminar: Research	2	Interim Off	CHE494 Chemistry Seminar: Research Presentation	1
Electives	10		Contemporary Christian Issues (P) course	3
Chemistry Elective	4		Electives	9
	16		0	13
Total Credits: 122-128				

*1 CHE208/CHE208D is a one-semester course that meets the requirements of CHE113/CHE113D and CHE214/CHE215. Students taking CHE208/CHE208D 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 CHE113/CHE113D and MAT124M to meet the general education Laboratory Science and Mathematics 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 2016-2017: Option 2 - Humanities

First Year

Fall	Credits	Interim	Credits	Spring	Credits
CHE113 & 113D General Chemistry I and General Chemistry I Lab *1	4	GES147 Humanities II: Renaissance and Reformation		4 CHE214 & CHE215 General Chemistry II and General Chemistry II Lab (or elective if CHE208/208D was taken in fall) *2	4
MAT124M Calculus *1	4			MAT125 Calculus *2	4
GES106 Introduction to Liberal Arts	1			GES244 Humanities III: European Enlightenment and American Culture to 1877	4
GES145 Humanities I: Greco-Roman through Middle Ages	4			BIB101 Introduction to the Bible	3
	13			4	15

Second Year

Fall	Credits	Interim	Credits	Spring	Credits
CHE224 & CHE225 Organic Chemistry I and Organic Chemistry I Lab	4	World Cultures (U) course		3 CHE226 & CHE227 Organic Chemistry II and Organic Chemistry II Lab	4
PHY292 & 292D General Physics I and General Physics I	4			PHY296 & PHY297 General Physics II and General Physics II Lab	4
Second Language (S) course *2	4			Nature of Persons (N) course	3
GES246 Humanities IV: Modern and Contemporary Western Culture	4			PEA100 Physical Wellness for Life	1
				Elective	3
	16			3	15

Third Year

Fall	Credits	Interim	Credits	Spring	Credits
CHE395 Chemistry Seminar: Research and Professional Development	1	Science, Technology, and Society (K) course		3 CHE312 & CHE313 Quantitative Analysis and Quantitative Analysis Lab	4
CHE344 & CHE345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab	4			CHE490 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
CHE490 Chemistry Seminar: Research	2	Interim Off		CHE494 Chemistry Seminar: Research Presentation	1
Electives	8			Contemporary Christian Issues (P) course	3
Chemistry Elective	4			Elective	6-8
Artistic Experience (A) course	0-3			Cross Cultural Experience (Z) course	3
	14-17			0	13-15

Total Credits: 125-130

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*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 CHE113/CHE113D and MAT124M to meet the general education Laboratory Science and Mathematics 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.)