

## B.A. in Chemistry 2018-2019: Option 1 - CWILT

<b>First Year</b>					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 113 & CHE 113D *1 General Chemistry I and General Chemistry I Lab	4	GES 125 Introduction to the Creative Arts	4	CHE 214 & CHE 215 (or elective if CHE208/208D was taken in the fall) *1 General Chemistry IIGeneral Chemistry II Lab	4
OR				MAT 125 Calculus 2	4
CHE 208 & CHE 208D *1 Accelerated General Chemistry and Accelerated General Chemistry Lab	4			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				
	<b>19</b>		<b>4</b>		<b>14</b>
<b>Second Year</b>					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab	4	World Cultures (U) course	3	CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab	4
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
Second Language (S) course*2	4			THE 201 Christian Theology	3
Contemporary Western Life and Thought (L) course	3			Artistic Experience (A) course	0-3
	<b>15</b>		<b>3</b>		<b>11-14</b>
<b>Third Year</b>					
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
	<b>13</b>		<b>3</b>		<b>13-16</b>
<b>Fourth Year</b>					
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
	<b>16</b>		<b>0</b>		<b>15</b>
<b>Total Credits 126-132</b>					

1. CHE 208 Accelerated General Chemistry/CHE 208D Accelerated General Chemistry Lab 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 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 2018-2019: Option 2 - Humanities

<b>First Year</b>					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 113 & CHE 113D *1 General Chemistry I and General Chemistry I Lab	4	GES 147 Humanities II: Renaissance and Reformation	4	CHE 214 & CHE 215 (or elective if CHE208/208D was taken in fall) *1 General Chemistry II General Chemistry II Lab	4
OR				MAT 125 Calculus 2	4
CHE 208 & CHE 208D *1 Accelerated General Chemistry and Accelerated General Chemistry Lab	4			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				
	<b>19</b>		<b>4</b>		<b>15</b>
<b>Second Year</b>					
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
	<b>13</b>		<b>3</b>		<b>15</b>
<b>Third Year</b>					
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
	<b>13</b>		<b>3</b>		<b>16</b>
<b>Fourth Year</b>					
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			Elective	7-8
				Cross Cultural Experience (Z) course	0-3
	<b>12-15</b>		<b>0</b>		<b>11-15</b>

### Total Credits 124-131

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. 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 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.)