

## B.A. in Chemistry 2017-2018: Option 1 - CWILT

First Year				
Fall	Credits	Interim	Credits Spring	Credits
<u>CHE113 &amp; 113D General Chemistry I and General Chemistry I Lab *1</u>	4	<u>GES125 Introduction to the Creative Arts</u>	4 <u>CHE214 &amp; CHE215 (or elective if CHE208/208D was taken) General Chemistry II &amp; General Chemistry II Lab *1</u>	4
<u>GES130 Christianity Western Culture</u>	4		<u>MAT125 Calculus *2</u>	4
<u>GES140 Introduction to Wellbeing</u>	3		<u>BIB101 Introduction to the Bible</u>	3
<u>MAT124M Calculus 1</u>	4		<u>GES160 Inquiry Seminar</u>	3
	<b>15</b>		<b>4</b>	<b>14</b>
Second Year				
Fall	Credits	Interim	Credits Spring	Credits
<u>CHE224 &amp; CHE225 Organic Chemistry I and Organic Chemistry I Lab</u>	4	World Cultures (U) course	3 <u>CHE226 &amp; CHE227 Organic Chemistry II and Organic Chemistry II Lab</u>	4
<u>PHY292 &amp; 292D General Physics I</u>	4		<u>PHY296 &amp; PHY297 General Physics II and General Physics II Lab</u>	4
Second Language (S) course <sup>2</sup>	4		<u>THE201 Christian Theology</u>	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>
Third Year				
Fall	Credits	Interim	Credits Spring	Credits
<u>CHE395 Chemistry Seminar: Research and Professional Development</u>	1	Science, Technology, and Society (K) course	3 <u>CHE312 &amp; CHE313 Quantitative Analysis and Quantitative Analysis Lab</u>	4
<u>CHE344 &amp; CHE345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Lab</u>	4		<u>CHE490 Chemistry Seminar: Research</u>	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>
Fourth Year				
Fall	Credits	Interim	Credits Spring	Credits
Electives	12	Interim Off	<u>CHE494 Chemistry Seminar: Research Presentation</u>	1
Chemistry Elective	4		Contemporary Christian Issues (P) course	3
			Electives	11
	<b>16</b>		<b>0</b>	<b>15</b>

\*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 2017-2018: Option 2 - Humanities

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>CHE113 &amp; 113D General Chemistry I and General Chemistry I Lab *1</u>	4	<u>GES147 Humanities II: Renaissance and Reformation</u>	4	<u>CHE214 &amp; CHE215 (or elective if CHE208/208D was taken) General Chemistry II &amp; General Chemistry II Lab *1</u>	4
<u>MAT124M Calculus 1</u>	4		4	<u>MAT125 Calculus 2</u>	4
<u>GES140 Introduction to Wellbeing</u>	3		3	<u>GES244 Humanities III: European Enlightenment and American Culture to 1877</u>	4
<u>GES145 Humanities I: Greco-Roman through Middle Ages</u>	4		4	<u>BIB101 Introduction to the Bible</u>	3
	<b>15</b>		<b>4</b>		<b>15</b>
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>CHE224 &amp; CHE225 Organic Chemistry I and Organic Chemistry I Lab</u>	4	World Cultures (U) course	3	<u>CHE224 &amp; CHE225 Organic Chemistry I and Organic Chemistry I Lab</u>	4
<u>PHY292 &amp; 292D General Physics I</u>	4		4	<u>PHY296 &amp; PHY297 General Physics II and General Physics II Lab</u>	4
<u>GES246 Humanities IV: Modern and Contemporary Western Culture</u>	4		4	<u>Second Language (S) course</u>	4
Elective	3		3	Elective	3
	<b>15</b>		<b>3</b>		<b>15</b>
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>CHE395 Chemistry Seminar: Research and Professional Development</u>	1	Science, Technology, and Society (K) course	3	<u>CHE312 &amp; CHE313 Quantitative Analysis and Quantitative Analysis Lab</u>	4
<u>CHE344 &amp; CHE345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Lab</u>	4		4	<u>CHE490 Chemistry Seminar: Research</u>	2
Chemistry Elective	4		4	Chemistry Elective	4
Interpreting Biblical Themes (J) course	3		3	Comparative Systems (G) course	3
Leisure and Lifetime Sports (Q) course	1		1		1
	<b>13</b>		<b>3</b>		<b>13</b>
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
Electives	8	Interim Off	0	<u>CHE494 Chemistry Seminar: Research Presentation</u>	1
Chemistry Elective	4		4	Contemporary Christian Issues (P) course	3
Artistic Experience (A) course	0-3		0-3	Elective	6-8
				Cross Cultural Experience (Z) course	3
	<b>12-15</b>		<b>0</b>		<b>14-15</b>

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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.)

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