B.S. in Chemistry 2017-2018: Option 1 - CWILT

First Year					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
CHE113 & 113D (or CHE208/208D) General Chemistry I & General Chemistry I Lab *1	4	GES125 Introduction to the Creative Arts	4	CHE214 & CHE215 (or elective if CHE208/208D was taken in fall) General Chemistry II & General Chemistry II Lab *1	4
MAT124M Calculus 1	4			MAT125 Calculus 2	4
GES130 Christianity Western Culture	4			BIB101 Introduction to the Bible	3
GES160 Inquiry Seminar	3			GES140 Introduction to Wellbeing	3
	15		**4**		**14**

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	4			PHY296 & PHY297 General Physics II and General Physics II Lab	4
MAT223 or 222 Multivariable Calculus	3			THE201 Christian Theology	3
Contemporary Western Life and Thought (L) course	3			Second Language (S) course[2]	4
	14		**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 Lab	4			CHE348 & CHE349 Quantum Chemistry and Spectroscopy and Quantum Chemistry and Spectroscopy Lab	4
Chemistry Elective	4			CHE490 Chemistry Seminar: Research	2
Interpreting Biblical Themes (J) course	3			Comparative Systems (G) course	3
Cross Cultural Experience (Z) course	0-3			Leisure and Lifetime Sports (Q) course	1
	12-15		**3**		**14**

Fourth Year					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
CHE320 & CHE321 Instrumental Analysis and Instrumental Analysis Lab	4	Interim Off	0	CHE364 & CHE365 Advanced Inorganic Chemistry and Advanced Inorganic Chemistry Lab	4
CHE388 & CHE389 Biochemistry I and Biochemistry I Lab	4			CHE494 Chemistry Seminar: Research Presentation	1
Electives	8			Chemistry Elective	4
				Contemporary Christian Issues (P) course	3
				Artistic Experience (A) course	0-3
	16		**0**		**12-15**

Total Credits: 122-128

*1. CHE208 Accelerated General Chemistry/CHE208D Accelerated General Chemistry Lab 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 that 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.)

BETHEL UNIVERSITY

B.S. in Chemistry 2017-2018: Option 2 - Humanities

First Year

Fall	Credits	Interim	Credits	Spring	Credits
CHE113 & 113D (or CHE208/208D) General Chemistry I & General Chemistry I Lab *1	4	GES147 Humanities II: Renaissance and Reformation	4	CHE214 & CHE215 (or elective if CHE208/208D was taken in fall) General Chemistry II & General Chemistry II Lab *1	4
MAT124M Calculus 1	4			MAT125 Calculus 2	4
GES145 Humanities I: Greco-Roman through Middle Ages	4			GES244 Humanities III: European Enlightenment and American Culture to 1877	4
GES140 Introduction to Wellbeing	3			BIB101 Introduction to the Bible	3
	15		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	4			PHY296 & PHY297 General Physics II and General Physics II Lab	4
GES246 Humanities IV: Modern and Contemporary Western Culture	4			MAT222 Differential Equations	3
				Second Language (S) course[2]	4
	12		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 Lab	4			CHE348 & CHE349 Quantum Chemistry and Spectroscopy and Quantum Chemistry and Spectroscopy Lab	4
Interpreting Biblical Themes (J) course	3			CHE490 Chemistry Seminar: Research	2
Electives	6			Comparative Systems (G) course	3
Leisure and Lifetime Sports (Q) course	1				
	15		3		13

Fourth Year

Fall	Credits	Interim	Credits	Spring	Credits
CHE320 & CHE321 Instrumental Analysis and Instrumental Analysis Lab	4	Interim Off	0	CHE364 & CHE365 Advanced Inorganic Chemistry and Advanced Inorganic Chemistry Lab	4
CHE388 & CHE389 Biochemistry I and Biochemistry I Lab	4			CHE494 Chemistry Seminar: Research Presentation	1
Chemistry Elective	4			Chemistry Elective	4
Cross Cultural Experience (Z) course	0-3			Contemporary Christian Issues (P) course	3
Elective	3			Artistic Experience (A) course	0-3
	15-18		0		12-15

Total Credits: 122-128

*1. CHE208 Accelerated General Chemistry/CHE208D Accelerated General Chemistry Lab 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 that 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.)