B.S. in Biology 2020-2021: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credit
<u>BIO 124</u>	4	GES 160 Inquiry Seminar	3	<u>BIO 128</u>	
& BIO 124D				& BIO 128D	
Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes,				Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology:	
Cells, Change Lab				Metabolism, Energy, Biodiversity Lab	
<u>CHE 113</u>	4			<u>CHE 214</u>	
<u>& CHE 113D</u>				<u>& CHE 215</u>	
General Chemistry I and General Chemistry I Lab				General Chemistry II and General Chemistry II Lab	
or CHE208/208D Accelerated General Chemistry/Lab				GES 130 Christianity Western Culture	
GES 140 Introduction to Wellbeing	3			Electives	
Mathematics (M) course	3				
	14		3		1
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credit
BIB 101 Introduction to the Bible	3	Contemporary Western Life and Thought (L) course	3	<u>CHE 226</u>	
				<u>& CHE 227</u>	
				Organic Chemistry II and Organic Chemistry II Lab	
BIO 218 Biology in a Changing World	3			GES 125 Introduction to the Creative Arts	
<u>CHE 224</u>	4			THE 201 Christian Theology	
<u>& CHE 225</u>					
Organic Chemistry I and Organic Chemistry I Lab					
Artistic Experience (A) course	0-3			Biology environmental area choice	
Leisure and Lifetime Sports (Q) course	1				
Elective	3				
	14-17		3		1
THIRD YEAR					
Fall		Interim	Credits		Credit
BIO 399 Introduction to Research		Science, Technology, and Society (K) course		Biology molecular area choice	
Biology organismic area choice	4			Physics II elective	
Physics I elective	4			Comparative Systems (G) course	
Second Language (S) course *1	4	·		Interpreting Biblical Themes (J) course	
World Cultures (U) course	3				
	16		3		1
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credit
BIO 481 or 496 Internship in Biology or Biology Research	*1-3	Interim Off		BIO 497 Advanced Biology Research	
BIO 495 Biology Seminar	2	2		BIO 499 Biology Symposium	0-
Biology electives	8			Biology elective	
Contemporary Christian Issues (P) course	3			Pieleau elective	
Contemporary Christian Issues (P) Course	3			Biology elective Cross-Cultural Experience (Z) course	0-
				Elective	0
	14-16	1	0		*12-1
Total Credits 124-133			0		

*1. Students must complete through the second semester of a first year language course or equivalent.

This program assumes the student will use BIO 124/BIO 124D to meet the General Education Laboratory Science (D) course requirement.

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

B.S. in Biology 2020-2021: Option 2 - Humanities

FIRST YEAR		1			Credi
Fall		Credits Interim		Credits Spring	
<u>CHE 113</u>	4	GES 147 Humanities II: Renaissance and Reformation	4	BIB 101 Introduction to the Bible	
<u>& CHE 113D</u>					
General Chemistry I and General Chemistry I Lab					
BIO 124	4			BIO 128	
<u>& BIO 124D</u>				<u>& BIO 128D</u>	
Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab				Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	
or CHE208/208D Accelerated General Chemistry I/Lab				CHE 214	
				& CHE 215	
				General Chemistry II and General Chemistry II Lab	
GES 140 Introduction to Wellbeing	3			GES 244 Humanities III: European Enlightenment and American	
GES 145 Humanities I: Greco-Roman through Middle Ages	4			des 244 Humanities in: European Emigricement and American	
GES 145 Humanities I. Greco-Roman tinough Middle Ages			4		
	15	1	4		
SECOND YEAR Fall	Credite	Interim	Credits	Spring	Credi
BIO 218 Biology in a Changing World		Elective		CHE 226	Creat
BIO 218 BIOlogy In a Changing World				& CHE 227	
				Organic Chemistry II and Organic Chemistry II Lab	
<u>CHE 224</u>	4			Biology environmental area choice	
& CHE 225					
Organic Chemistry I and Organic Chemistry I Lab					
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			Mathematics area choice	
Artistic Experience (A) course	0-3			Second Language (S) course *1	
Leisure and Lifetime Sports (Q) course	1				
	*12-15		3		
THIRD YEAR					
THIRD YEAR Fall	Credits	Interim	Credits	Spring	Credi
Fall		Interim Science, Technology, and Society (K) course	Credits		Credi
Fall BIO 399 Introduction to Research	1	Science, Technology, and Society (K) course	3	Biology molecular area choice	
Fall BIO 399 Introduction to Research Biology organismic area choice	1	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective	Credi
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective	1 4 4	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course	
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective World Cultures (U) course	1 4 4 3	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective	
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective	1 4 4	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective	
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective World Cultures (U) course Elective	1 4 4 3 3	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective	
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective World Cultures (U) course	1 4 3 3 3 15	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective	
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective World Cultures (U) course Elective FOURTH YEAR Fall	1 4 3 3 15 Credits	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective Spring	
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective World Cultures (U) course Elective FOURTH YEAR Fall BIO 481 or 496 Internship in Biology or Biology Research	1 4 3 3 15 Credits	Science, Technology, and Society (K) course	3	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective Spring BIO 497 Advanced Biology Research	
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective World Cultures (U) course Elective FOURTH YEAR Fall	1 4 3 3 3 5 5 5 Credits *1-3	Science, Technology, and Society (K) course	3 3 Credits	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective Spring	Credi
Fall BIO 399 Introduction to Research Biology organismic area choice Physics I elective World Cultures (U) course Elective FOURTH YEAR Biol 481 or 496 Internship in Biology or Biology Research BIO 495 Biology Seminar	1 4 3 3 3 15 Credits *1-3 2	Science, Technology, and Society (K) course	3 3 Credits	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective Spring BIO 497 Advanced Biology Research BIO 499 Biology Symposium	Credi
Fall Biology organismic area choice Physics I elective World Cultures (U) course Elective FOURTH YEAR Fall Biol 481 or 496 Internship in Biology or Biology Research BIO 495 Biology Seminar Comparative Systems (G) course	1 4 3 3 3 5 5 7 5 7 7 6 7 7 3 3	Science, Technology, and Society (K) course	3 3 Credits	Biology molecular area choice Physics II elective Interpreting Biblical Themes (J) course Elective Spring BIO 497 Advanced Biology Research BIO 499 Biology Symposium Biology electives	Credi 0

*1. Students must complete through the second semester of a first year language course or equivalent.

This program assumes the student will use BIO 124/BIO 124D to meet the General Education Laboratory Science (D) course requirement.

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