

B.S. in Biology 2018-2019: Option 1 - CWILT

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 124 & BIO 124D Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4	GES 160 Inquiry Seminar	3	BIO 128 & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab or CHE208/208D Accelerated General Chemistry/Lab	4			CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab GES 130 Christianity Western Culture	4
Mathematics (M) course	3			Electives	4
GES 140 Introduction to Wellbeing	3				
	14		3		16
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 218 Biology in a Changing World	3	Contemporary Western Life and Thought (L) course	3	CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab THE 201 Christian Theology	4
CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab	4			GES 125 Introduction to the Creative Arts Biology environmental area choice	3
BIB 101 Introduction to the Bible	3				4
Leisure and Lifetime Sports (Q) course	1				4
Artistic Experience (A) course	0-3				
Elective	3				
	14-17		3		15
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 399 Introduction to Research	1	World Cultures (U) course	3	Biology molecular area choice Physics II elective	4
Biology organismic area choice	4			Comparative Systems (G) course Interpreting Biblical Themes (J) course	3
Physics I elective	4				3
Science, Technology and Society (K) course	3				
Second Language (S) course*1	4				
	16		3		14
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 481 or 496 Internship in Biology or Biology Research	1-3	Interim Off		BIO 481 or 497 Internship in Biology or Advanced Biology Research	1-3
BIO 495 Biology Seminar	2			Biology elective	4
Biology elective	4			Biology elective	4
Biology elective	4			Contemporary Christian Issues (P) course	3
Elective	4			Cross-Cultural Experience (Z) course	0-3
	15-17		0		12-17
Total Credits 125-135					

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 Laboratory Science 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 2018-2019: Option 2 - Humanities

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab	4	GES 147 Humanities II: Renaissance and Reformation	4	BIO 128 & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
BIO 124 & BIO 124D Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab or CHE208/208D Accelerated General Chemistry I/Lab	4			CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab	4
GES 145 Humanities I: Greco-Roman through Middle Ages	4			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
GES 140 Introduction to Wellbeing	3			BIB 101 Introduction to the Bible	3
	15		4		15
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 218 Biology in a Changing World	3	Elective	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			Biology environmental area choice	4
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			Mathematics area choice	3
Leisure and Lifetime Sports (Q) course	1			Second Language (S) course*1	4
Artistic Experience (A) course	0-3				
	12-15		3		15
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 399 Introduction to Research	1	Comparative Systems (G) course	3	Biology molecular area choice	4
Biology organismic area choice	4			Physics II elective	4
Physics I elective	4			Interpreting Biblical Themes (J) course	3
World Cultures (U) course	3			Elective	3
	12		3		14
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 495 Biology Seminar	1-2	Interim Off		BIO 497 Advanced Biology Research	1
BIO 481 or 496 Internship in Biology or Biology Research	1-3			Biology elective	4
Science, Technology and Society (K) course	3			Biology elective	4
Biology electives	8			Contemporary Christian Issues (P) course	3
Cross-Cultural Experience (Z) course	0-3			Elective	3
	13-19		0		15
Total Credits 121-130					

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 Laboratory Science 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.)