

B.A. in Science Education 9-12: Life Science Emphasis 2018-2019: Option 1 - CWILT

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 122 & BIO 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab	4	GES 160 Inquiry Seminar	3	BIO 126 & BIO 127 Integrative Biology and Global Health and Integrative Biology and Global Health Lab	4
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab	4			CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab	4
GES 130 Christianity Western Culture	4			GES 125 Introduction to the Creative Arts	4
GES 140 Introduction to Wellbeing	3			BIB 101 Introduction to the Bible	3
	15		3		15
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 120 & BIO 121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4	World Cultures (U) course	3	BIO 238 & BIO 239 Human Anatomy and Physiology and Human Anatomy and Physiology Lab	4
BIO 380 & BIO 383 Environmental Plant Biology and Environmental Plant Biology Lab	4			EDU 200 Introduction to Education	3
Leisure and Lifetime Sport (Q) course	1			EDU 201 Introduction to Education Field Experience	1
Contemporary Western Life and Thoughts (L) course	3			Math choice: MAT123M, MAT124M, PSY230M , Calculus 1, Introduction to Statistical Methods and Experimental Design	4
				Second Language (S) course*1	4
	12		3		16
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 399 Introduction to Research	1	Interpreting Biblical Themes (J) course	3	BIO 4952 Biology Seminar	1
THE 201 Christian Theology	3			BIO 354 & BIO 355 Cell Biology and Cell Biology Lab	4
EDU 317GZ Educational Equity	3			EDU 203 School Health and Drugs	2
PHY 102 & PHY 102D Physics of Everyday Life and Physics of Everyday Life-Lab	4			EDU 240 Educational Psychology	3
Science, Technology & Society (K) course	4			EDU 241 Educational Psychology Field Experience	1
				EDU 320 Pedagogy and the Young Adolescent Learner	1
				EDU 321 Integrated Literacy in the Content Areas	1
	15		3		13
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 496 Biology Research	1	Interim Off		EDU 490 Student Teaching Block	14
BIO 332 & BIO 333 Genetics and Genetics Lab	4			BIO 499 Biology Symposium	1
EDU 420 Methods in Teaching 5-12 Science	3				
EDU 429 Science Education Practicum in Grades 5-8 or 5-12	1				
Artistic Experience (A) course	0-3				
Contemporary Christian Issues (P) course	3				
	12-15		0		15
Total Credits 122-125					

1. Students must complete through the second semester of a first year language course or equivalent.
2. May be taken in fall of senior year.
3. The Education Department offers an interim trip that meets the U requirement - EDU 236UZ. See Education Abroad Options. See Education section in catalog for testing requirements.

This program assumes a student will use BIO 122D, EDU 317GZ, and math course to meet the general education Laboratory Science, Comparative Systems, and Math 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 Science Education 9-12: Life Science Emphasis 2018-2019: Option 2 - Humanities

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 122 & BIO 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab	4	GES 147 Humanities II: Renaissance and Reformation	4	BIO 126 & BIO 127 Integrative Biology and Global Health and Integrative Biology and Global Health Lab	4
CHE 113 & CHE 113D General Chemistry I and 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 120 & BIO 121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4	World Culture (U) course 3	3	BIO 238 & BIO 239 Human Anatomy and Physiology and Human Anatomy and Physiology Lab	4
BIO 380 & BIO 383 Environmental Plant Biology and Environmental Plant Biology Lab	4			EDU 200 Introduction to Education	3
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			EDU 201 Introduction to Education Field Experience	1
				Math choice: MAT123M, MAT124M, PSY230M , Calculus 1, Introduction to Statistical Methods and Experimental Design	4
				Second Language (S) course*1	4
	12		3		16
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 399 Introduction to Research	1	Interpreting Biblical Themes (J) course	3	BIO 4952 Biology Seminar	1
EDU 317GZ Educational Equity	3			BIO 354 & BIO 355 Cell Biology and Cell Biology Lab	4
PHY 102 & PHY 102D Physics of Everyday Life and Physics of Everyday Life-Lab	4			EDU 203 School Health and Drugs	2
Science, Technology & Society (K) course	3			EDU 320 Pedagogy and the Young Adolescent Learner	1
Leisure and Lifetime Sport (Q) course	1			EDU 321 Integrated Literacy in the Content Areas	1
				EDU 240 Educational Psychology	3
				EDU 241 Educational Psychology Field Experience	1
	12		3		13
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO 496 Biology Research	1	Interim Off	0	EDU 490 Student Teaching Block	14
BIO 332 & BIO 333 Genetics and Genetics Lab	4			BIO 499 Biology Symposium	1
EDU 420 Methods in Teaching 5-12 Science	3				
EDU 429 Science Education Practicum in Grades 5-8 or 5-12	1				
Artistic Experience (A) course	2-3				
Contemporary Christian Issues (P) course	3				
	14-15		0		15
Total Credits 122-123					

- Students must complete through the second semester of a first year language course or equivalent.
- May be taken in fall of senior year.
- The Education Department offers an interim trip that meets the U requirement - EDU 236UZ. See Education Abroad Options. See Education section of catalog for testing requirements.

This program assumes a student will use BIO 122D, EDU 317GZ, and math course to meet the general education Laboratory Science, Comparative Systems, and Math 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.)