

B.A. in Science Education 9-12: Life Science Emphasis 2017-2018: Option 1 - CWILT

First Year				
Fall	Credits	Interim	Credits Spring	Credits
BIO122 & 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab	4	GES160 Inquiry Seminar	3 BIO126 & BIO127 Integrative Biology and Global Health and Integrative Biology and Global Health Lab	4
CHE113 & 113D General Chemistry I	4		CHE214 & CHE215 General Chemistry II and General Chemistry II Lab	4
GES130 Christianity Western Culture	4		GES125 Introduction to the Creative Arts	4
GES140 Introduction to Wellbeing	3		BIB101 Introduction to the Bible	3
	15		3	15
Second Year				
Fall	Credits	Interim	Credits Spring	Credits
BIO120 & BIO121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4	World Cultures (U) course	3 BIO238 & BIO239 Human Anatomy and Physiology and Human Anatomy and Physiology Lab	4
BIO380 & BIO383 Environmental Plant Biology and Environmental Plant Biology Lab	4		EDU200 Introduction to Education	3
Leisure and Lifetime Sport (Q) course	1		EDU201 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	4
	12		3	16
Third Year				
Fall	Credits	Interim	Credits Spring	Credits
BIO399 Introduction to Research	1	Interpreting Biblical Themes (J) course	3 BIO495 Biology Seminar *2	1
THE201 Christian Theology	3		BIO354 & BIO355 Cell Biology and Cell Biology Lab	4
EDU317GZ Educational Equity	3		EDU203 School Health and Drugs	2
PHY102 & 102D Concepts in Physics	4		EDU240 Educational Psychology	3
Science, Technology & Society (K) course	4		EDU241 Educational Psychology Field Experience	1
			EDU320 Pedagogy and the Young Adolescent Learner	1
			EDU321 Integrated Literacy in the Content Areas	1
	15		3	13
Fourth Year				
Fall	Credits	Interim	Credits Spring	Credits
BIO496 Biology Research	1	Interim Off	EDU490 Student Teaching Block	14
BIO332 & BIO333 Genetics and Genetics Lab	4		BIO499 Biology Symposium	1
EDU420 Methods in Teaching 5-12 Science	3			
EDU429 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 - EDU236UZ. See Education Abroad Options.

See Education section in catalog for testing requirements.

This program assumes a student will use BIO122D, EDU317GZ, 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 2017-2018: Option 2 - Humanities

First Year			
Fall	Credits	Interim	Credits
Spring	Credits		
BIO122 & 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab	4	GES147 Humanities II: Renaissance and Reformation	4
CHE113 & 113D General Chemistry I			4
GES145 Humanities I: Greco-Roman through Middle Ages	4		4
GES140 Introduction to Wellbeing	3		3
	15		4
Second Year			
Fall	Credits	Interim	Credits
Spring	Credits		
BIO120 & BIO121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	4	World Cultures (U) course	3
BIO380 & BIO383 Environmental Plant Biology and Environmental Plant Biology Lab	4		3
GES246 Humanities IV: Modern and Contemporary Western Culture	4		1
			4
			4
	12		3
Third Year			
Fall	Credits	Interim	Credits
Spring	Credits		
BIO399 Introduction to Research	1	Interpreting Biblical Themes (J) course	3
EDU317GZ Educational Equity	3		4
PHY102 & 102D Concepts in Physics	4		2
Science, Technology & Society (K) course	3		1
Leisure and Lifetime Sport (Q) course	1		1
			3
			1
	12		3
Fourth Year			
Fall	Credits	Interim	Credits
Spring	Credits		
BIO496 Biology Research	1	Interim Off	0
BIO332 & BIO333 Genetics and Genetics Lab	4		1
EDU420 Methods in Teaching 5-12 Science	3		
EDU429 Science Education Practicum in Grades 5-8 or 5-12	1		
Artistic Experience (A) course	4	2769	
Contemporary Christian Issues (P) course	3		
	14-15		0
Total Credits: 122-123			

*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 - EDU236UZ. See Education Abroad Options.

See Education section in catalog for testing requirements.

This program assumes a student will use BIO122D, EDU317GZ, 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.)