

B.A. in Science Education 9-12: Life Science Emphasis 2016-2017: Option 1 - CWILT

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO120 & BIO121 or BIO122/122D Introduction to Organismic Biology or BIO 126/127 Integrative Biology & Global Health/Lab	4	BIB101 Introduction to the Bible	3	BIO120 & BIO121 or BIO122/122D Introduction to Organismic Biology or BIO126/127 Integrative Biology & Global Health/Lab	4
CHE113 & 113D	4			CHE214 & CHE215	4
GES106 Introduction to Liberal Arts	1			GES110 College Writing	3
GES130 Christianity Western Culture	4			GES125 Introduction to the Creative Arts	4
Nature of Persons (N) course	3			PEA100 Physical Wellness for Life	1
	16		3		16
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO120 or BIO 122/122D Introduction to Organismic Biology or BIO126/127 Integrative Biology & Global Health/Lab	4	Contemporary Western Life and Thought (L)	3	EDU200 Introduction to Education	3
BIO372 & BIO373	4			EDU201 Introduction to Education Field Experience	1
BIO380	4			Biology environmental area of choice	4
THE201 Christian Theology	3			Math choice: MAT123M, MAT124M, PSY230M , Calculus 1, Introduction to Statistical Methods, and Experimental Design	4
Second Language (S) course *1	4			World Culture (U) course *3	3
	15		3	Leisure and Lifetime Sports (Q) course	1
					16
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO332 & BIO333	4	Interpreting Biblical Themes (J) course	3	BIO495 Biology Seminar	1
BIO399 Introduction to Research	1			EDU203 School Health and Drugs	2
EDU317GZ Educational Equity	3			EDU240 Educational Psychology	3
PHY202 & 202D	4			EDU241 Educational Psychology Field Experience	1
Science, Technology & Society (K) course	3			EDU320 Pedagogy and the Young Adolescent Learner	1
	15		3	EDU321 Integrated Literacy in the Content Areas	1
				BIO238 & BIO239	4
					13
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO496 Biology Research	1	Interim Off		EDU490 Student Teaching Block	14
PHY112	4			BIO499 Biology Symposium	1
EDU420 Methods in Teaching Secondary 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: 127-130

*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 interim strips that meet the U requirement - EDU236UZ or EDU204UZ. See Education Abroad Options.

MN Basic skills tests (MTLE) required for full admission to the Education Department.

Because of possible double counting between General Education and the major, the actual total can be reduced to 122.

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 2016-2017: Option 2 - Humanities

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO120 & BIO121 or BIO 122/122D Introduction to Organismic Biology or BIO126/127 Integrative Biology & Global Health/Lab	4	GES147 Humanities II: Renaissance and Reformation	4	BIO120 & BIO121 or BIO 122/122D Introduction to Organismic Biology or BIO126/127 Integrative Biology & Global Health/Lab	4
CHE113 General Chemistry I	3			CHE214 General Chemistry II	3
CHE113D General Chemistry I Lab	1			CHE215 General Chemistry II Lab	1
GES106 Introduction to Liberal Arts	1			GES244 Humanities III: European Enlightenment and American Culture to 1877	4
GES145 Humanities I: Greco-Roman through Middle Ages	4			BIB101 Introduction to the Bible	3
Nature of Persons (N) course	3			PEA100 Physical Wellness for Life	1
	16		4		16
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO120 & BIO121 or BIO122/122D Introduction to Organismic Biology or BIO126/127 Integrative Biology & Global Health/Lab		4 World Culture (U) course 3		3 EDU200 Introduction to Education	3
GEL168 & 168D	4			EDU201 Introduction to Education Field Experience	1
GES246 Humanities IV: Modern and Contemporary Western Culture	4			EDU203 School Health and Drugs	2
Second Language (S) course1	4			Biology environmental area choice	4
	16		3	Math choice: MAT123M, MAT124M, PSY230M , Calculus 1, Introduction to Statistical Methods and Experimental Design Leisure and Lifetime sports (Q) course	1
					15
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO399 Introduction to Research	1	Interpreting Biblical Themes (J) course	3	BIO4962 Biology Research	1
EDU317GZ Educational Equity	3			EDU220 Introduction to Middle Level Education	3
PHY202 & 202D	4			EDU240 Educational Psychology	3
Biology organismic area choice	4			EDU241 Educational Psychology Field Experience	1
Science, Technology & Society (K) course	3			PHY206	4
Cross Cultural Experience (Z) course	0-3			Biology cell & molecular area choice	4
	15-18		3		16
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
BIO495 Biology Seminar	1	Contemporary Christian Issues (P) course	3	EDU490 Student Teaching Block	15
PHY112 & 112D	4			BIO499 Biology Symposium	1
EDU320 Pedagogy and the Young Adolescent Learner	1				
EDU420 Methods in Teaching Secondary Science	3				
EDU429 Science Education Practicum in grades 5-8 or 5-12	1				
BIO choose from course or CHE224/225 or CHE226/227	4				
Artistic Experience (A) course	0-3				
	14-17		3		16

Total Credits: 137-143

*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 interim strips that meet the U requirement - EDU236UZ or EDU204UZ. See Education Abroad Options.

MN Basic skills tests (MTLE) required for full admission to the Education Department.

Because of possible double counting between General Education and the major, the actual total can be reduced to 122.

This program assumes a student will use BIO122D, EDU317GZ, and math course to meet the general education Laboratory Science, Comparative Systems, and Math requirements.

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