B.A. in K-6 Elementary Education, Science Middle Level Endorsement 2019-2020: Option 1 - CWILT

FIRST YEAR					
Fall	Credits Interi	m	Credits	Spring	Credits
GES 130Christianity Western Culture		25Introduction to the Creative Arts		BIB 101 Introduction to the Bible	
GES 160 Inquiry Seminar	3			GES 140Introduction to Wellbeing	
NAS 101DScience Concepts -Life Science	2			MAT 201M3Mathematics for Elementary Education 1	:
NAS 104DScience Concepts - Physics	2			NAS 103D Science Concepts -Chemistry	
Leisure and Lifetime Sports (Q) Course	1			Second Language (S) Course ¹	
	12		4		1
SECOND YEAR	12		-		
Fall	Credits Interi	m	Credits	Spring	Credits
EDU 200Introduction to Education		Cultures (U) course ⁴		Block 1 (must be taken concurrently)	orean
EDU 201Introduction to Education Field Experience	1		5	EDU 271 Education Psychology and Pedagogy	
GEL 168	4			EDU 272 Language and Literacy Development for Young Learners (K-	
& GEL 168D	4			3)	
(fall only) ² Geology and Geology Lab				21	
MAT 202Mathematics for Elementary Education 2	3			EDU 273 Primary Grade Practicum	
Contemporary Western Life and Thought (L) Course	3				
(NAS 300 Applied Concepts in STEM optional)	3			EDU 274 Education Technology	
(INAS 300 Applied Concepts in STEM optional)				EDU 275Kindergarten Education	
				PHY 102	4
				<u>& PHY 102D</u>	
				(spring only) Physics of Everyday Life and Physics of Everyday Life-Lab	
				1 101	
				(NAS400 Applied Research in STEM optional)	
THIRD YEAR	14		3		14
					0
Fall	Credits Interi		Credits		Credit
<u>CHE 101</u>	4 Scien	ce, Technology, and Society (K) course	3	Block 2 (must be taken concurrently)	
& CHE 101D Introduction to Chemistry and Introduction to Chemistry Lab					
EDU 220Introduction to Middle Level Education	3			EDU 370 Math Curriculum and Methods	3
EDU 317GZEducational Equity	3			EDU 371 Science Curriculum and Methods	;
EDU 363 Health Curriculum and Methods	1			EDU 372Educational Psychology	
EDU 365 Physical Education Curriculum and Methods	1			EDU 373Reading/Language Arts Curriculum and Methods	
EDU 366A Visual Arts Curriculum and Methods	1			EDU 374 Social Studies Curriculum and Methods: Planning	
EDU 368A Music Curriculum and Methods	1			EDU 375 Integrating Technology in the Content Areas	
THE 201 Christian Theology	3			EDU 376Intermediate Grade Practicum	
	17		3		18
FOURTH YEAR	17		3		10
Fall	Credits Interi		Credito	Spring	Credits
BIO 120		mporary Christian Issues (P) course		EDU 490 Student Teaching Block	14
& BIO 120	4 Conte	imporary Christian issues (P) course	3	EDU 490 Student Teaching Block	12
A BIO 1200 Introduction to Molecular and Cellular Biology and Introduction to					
Molecular and Cellular Biology Lab					
	1			EDU 404 Student Terebine in Middle Level	
EDU 320Pedagogy and the Young Adolescent Learner				EDU 491 Student Teaching in Middle Level	:
EDU 321Integrated Literacy in the Content Areas	1				
EDU 420Methods in Teaching 5-12 Science	3				
EDU 429 (fall only) Science Education Practicum in Grades 5-8 or 5-12	1				
PHY 112	4				
<u>& PHY 112D</u>					
² Introduction to Astronomy and Introduction to Astronomy Lab					
Interpreting Biblical Themes (J) course	3				
	17		3		17
Total Credits 137					

1. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

2. GEL 168 and PHY 112 replace NAS 102D in the K-6 Elementary Education core for students in the science specialty only.

3. Approval into course may require testing or online pre-work with department approval.

4. The Education Department offers an interim trip that meets the U requirement - EDU236UZ.

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 K-6 Elementary Education, Science Middle Level Endorsement 2019-2020: Option 2 - Humanities

Fall	Credits Interim	Credits Spring	Credit
BIB 101Introduction to the Bible	3 GES 147Humanities II: Renaissance and Reformation	4 GES 244 Humanities III: European Enlightenment and American	0.001
		Culture to 1877	
GES 140Introduction to Wellbeing	3	MAT 201M2Mathematics for Elementary Education 1	
GES 145Humanities I: Greco-Roman through Middle Ages	4	NAS 103D Science Concepts -Chemistry	
NAS 101DScience Concepts -Life Science	2	Leisure and Lifetime Sports (Q) Course	
NAS 104DScience Concepts - Physics	2	Second Language (S) Course'	
	14	4	1
SECOND YEAR			-
Fall	Credits Interim	Credits Spring	Credit
GEL 168	4 EDU 200Introduction to Education	3 Block 1 (must be taken concurrently)	
& GEL 168D			
(fall only)3Geology and Geology Lab			
GES 246Humanities IV: Modern and Contemporary Western Culture	4 EDU 201Introduction to Education Field Experience	1 EDU 271 Education Psychology and Pedagogy	
MAT 202Mathematics for Elementary Education 2	3	EDU 272 Language and Literacy Development for Young Learners (K-3)	
World Cultures (U) Course ⁴	3	EDU 273 Primary Grade Practicum	
(NAS300 Applied Concepts in STEM optional)		EDU 274 Education Technology	
		EDU 275Kindergarten Education	
		PHY 102	
		& PHY 102D	
		(spring only) Physics of Everyday Life and Physics of Everyday	
		Life-Lab	
		(NAS400 Applied Research in STEM optional)	
	14	4	1
THIRD YEAR			
Fall	Credits Interim	Credits Spring	Credit
CHE 101	4 Science, Technology, and Society (K) course	3 Block 2 (must be taken concurrently)	
& CHE 101D			
Introduction to Chemistry and Introduction to Chemistry Lab			
EDU 220Introduction to Middle Level Education	3	EDU 370 Math Curriculum and Methods	
EDU 317GZEducational Equity	3	EDU 371 Science Curriculum and Methods	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods	3	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology	
EDU 317GZEducational Equity	3	EDU 371 Science Curriculum and Methods	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods	3	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods	3 1 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods	3 1 1 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods	3 1 1 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods	3 1 1 1 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods	3 1 1 1 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum	
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods FOURTH YEAR	3 1 1 1 1 1 1 14	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3	1
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods FOURTH YEAR Fall	3 1 1 1 1 1 1 1 1 1 1 1 1 1 Credits Interim	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3 Credits Spring	1 Credit
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 366A Music Curriculum and Methods FOURTH YEAR Fall BIO 120 & BIO 120D Introduction to Molecular and Cellular Biology and Introduction	3 1 1 1 1 1 1 1 1 1 1 1 1 1 Credits Interim	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3 Credits Spring	1 Credit
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 366A Music Curriculum and Methods FOURTH YEAR Fall BIO 120 & BIO 120D Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3	1 Credit 1
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods EDU 368A Music Curriculum and Methods FOURTH YEAR Fall BIO 120 & BIO 120D Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab EDU 320Pedagogy and the Young Adolescent Learner	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3 Credits Spring	1 Credit
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods EDU 368A Music Curriculum and Methods FOURTH YEAR Fall BIO 120 & BIO 120 BIO 120 BIO 120 DINtroduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab EDU 320Pedagogy and the Young Adolescent Learner EDU 321Integrated Literacy in the Content Areas	3 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3	1 Credit 1
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods EDU 368A Music Curriculum and Methods FOURTH YEAR Fall BIO 120 & BIO 120D Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab EDU 320Pedagogy and the Young Adolescent Learner	3 1 1 1 1 1 14 Credits 14 Contemporary Christian Issues (P) course 1 1 1 1 3 3	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3	1 Credit 1
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods FOURTH YEAR Fall BIO 120 & BIO 120 & BIO 120 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab EDU 320Pedagogy and the Young Adolescent Learner EDU 321Integrated Literacy in the Content Areas	3 1	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3	1 Credit 1
EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 368A Music Curriculum and Methods FOURTH YEAR Fall BIO 120 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab EDU 320Pedagogy and the Young Adolescent Learner EDU 320Pedagogy and the Young Adolescent Learner EDU 321htegrated Literacy in the Content Areas EDU 420Methods in Teaching 5-12 Science	3 1 1 1 1 1 14 Credits 14 Contemporary Christian Issues (P) course 1 1 1 1 3 3	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3	1 Credit 1
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EDU 317GZEducational Equity EDU 363 Health Curriculum and Methods EDU 365 Physical Education Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods EDU 366A Visual Arts Curriculum and Methods FOURTH YEAR Fall BIO 120 & BIO 120 Methods in Cellular Biology and Introduction to Molecular and Cellular Biology Lab EDU 320Pedagogy and the Young Adolescent Learner EDU 420Methods in Teaching 5-12 Science EDU 429 (fall only) Science Education Practicum in Grades 5-8 or 5-12 PHY 112 ² Introduction to Astronomy and Introduction to Astronomy Lab	3 1 1 1 1 14 Credits Interim 4 Contemporary Christian Issues (P) course 1 3 1 3 1 4	EDU 371 Science Curriculum and Methods EDU 372Educational Psychology EDU 373Reading/Language Arts Curriculum and Methods EDU 374 Social Studies Curriculum and Methods: Planning EDU 375 Integrating Technology in the Content Areas EDU 376Intermediate Grade Practicum 3	1 Credit 1
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