

B.A. in Mathematics with Education 5-12 Licensure 2020-2021: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COS 100 Introduction to Programming	3	GES 160 Inquiry Seminar	3	BIB 101 Introduction to the Bible	3
GES 130 Christianity Western Culture	4			GES 125 Introduction to the Creative Arts	4
GES 140 Introduction to Wellbeing	3			MAT 125 Calculus 2	4
MAT 124M Calculus 1	4			Laboratory Science (D) course	4
	14		3		15
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
MAT 223 Multivariable Calculus	3	EDU 200 Introduction to Education *3	3	COS 105 Object-oriented Design and Programming	4
MAT 241 Discrete Mathematics	3	EDU 201 Introduction to Education Field Experience	1	EDU 203 School Health and Drugs	2
THE 201 Christian Theology	3			MAT 211 Linear Algebra	3
Second Language (S) course *1	4			Contemporary Western Life and Thought (L) course	3
Leisure and Lifetime Sports (Q) course	1			World Cultures (U) course *2	3
	14		4		15
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
Math choice: MAT344 (spring), MAT376 (fall, odd years), MAT331 (spring, even years) , Operations Research, Applied Statistics	3-4	Interpreting Biblical Themes (J) course	3	EDU 220 Introduction to Middle Level Education	3
EDU 240 Educational Psychology	3			EDU 317GZ Educational Equity	3
EDU 241 Educational Psychology Field Experience	1			EDU 320 Pedagogy and the Young Adolescent Learner	1
MAT 330 Probability and Statistics	3			EDU 321 Integrated Literacy in the Content Areas	1
MAT 351 (fall, even years) Modern Geometry	3			MAT 310 Abstract Algebra	4
Artistic Experience (A) course	0-3				
	13-17		3		12
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
EDU 411 Mathematics Education Practicum in grades 5-8 or 5-12	1	MAT 499 Senior Seminar	3	EDU 490 Student Teaching Block	14
EDU 412 Methods in Teaching 5-12 Mathematics	3				
MAT 422 Real Analysis	3				
Science, Technology, and Society (K) course	3				
Contemporary Christian Issues (P) course	3				
	13		3		14
Total Credits 123-127					

*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. [The Education Department offers an interim trip that meets the U requirement - EDU 236UZ. See Education Abroad options.](#)

*3. See Education section in catalog for testing requirements.

This program assumes a student will use [MAT 124M](#) and [EDU 317GZ](#) to meet the General Education Mathematics (M) course and Comparative Systems (G) course 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 Mathematics with Education 5-12 Licensure 2020-2021: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
BIB 101 Introduction to the Bible	3	GES 147 Humanities II: Renaissance and Reformation	4	GES 140 Introduction to Wellbeing	3
COS 100 Introduction to Programming	3			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
GES 145 Humanities I: Greco-Roman through Middle Ages	4			MAT 125 Calculus 2	4
MAT 124M Calculus 1	4			Leisure and Lifetime Sports (Q) course	1
	14		4		12
SECOND YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
GES 246 Humanities IV: Modern and Contemporary Western Culture	4	EDU 200 Introduction to Education *2	3	COS 105 Object-oriented Design and Programming	4
MAT 223 Multivariable Calculus	3	EDU 201 Introduction to Education Field Experience	1	EDU 203 School Health and Drugs	2
MAT 241 Discrete Mathematics	3			MAT 211 Linear Algebra	3
Secondary Language (S) Course *1	4			Laboratory Science (D) Course	4
	14		4		13
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
EDU 240 Educational Psychology	3	Interpreting Biblical Themes (J) course	3	EDU 220 Introduction to Middle Level Education	3
EDU 241 Educational Psychology Field Experience	1			EDU 317GZ Educational Equity	3
MAT 330 Probability and Statistics	3			EDU 320 Pedagogy and the Young Adolescent Learner	1
MAT 351 (fall, even years) Modern Geometry	3			EDU 321 Integrated Literacy in the Content Areas	1
Artistic Experience (A) course	0-3			MAT 310 Abstract Algebra	4
World Cultures (U) course *3	3			Science, Technology, and Society (K) course	3
	13-16		3		15
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
Math choice: MAT344 (spring), MAT376 (fall, odd years), MAT331 (spring, even years) , Operations Research, Applied Statistics	3	MAT 499 Senior Seminar	3	EDU 490 Student Teaching Block	14
EDU 411 Mathematics Education Practicum in grades 5-8 or 5-12	1				
EDU 412 Methods in Teaching 5-12 Mathematics	3				
MAT 422 Real Analysis	3				
Contemporary Christian Issues (P) course	3				
	13		3		14
Total Credits 122-125					

*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. See Education section in catalog for testing requirements.

*3. [The Education Department offers an interim trip that meets the U requirement - EDU 236UZ. See Education Abroad options.](#)

This program assumes a student will use [MAT 124M](#) and [EDU 317GZ](#) to meet the General Education Mathematics (M) course and Comparative Systems (G) course 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.)