B.A. in Mathematics with Education 5-12 Licensure 2019-2020: Option 1 - CWILT

FIRST YEAR

Fall	Credits	Interim	Credits	Spring	Credits
COS 100Introduction to Programming	3	GES 160 Inquiry Seminar	3	BIB 101Introduction to the Bible	3
GES 130Christianity Western Culture	4			GES 125Introduction to the Creative Arts	4
GES 140Introduction to Wellbeing	3			MAT 125 Calculus 2	4
MAT 124MCalculus 1	4			Laboratory Science (D) course	4
	14		**3**		**15**

SECOND YEAR

Fall	Credits	Interim	Credits	Spring	Credits
MAT 223Multivariable Calculus	3	EDU 2003Introduction to Education	3	COS 105Computer Science 1	4
MAT 241 Discrete Mathematics	3	EDU 201Introduction 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 220Introduction to Middle Level Education	3
EDU 240Educational Psychology	3			EDU 317GZEducational Equity	3
EDU 241Educational Psychology Field Experience	1			EDU 320Pedagogy and the Young Adolescent Learner	1
MAT 330Probability and Statistics	3			EDU 321Integrated Literacy in the Content Areas	1
Artistic Experience (A) course	0-3			MAT 310 Algebraic Structures	4
Science, Technology, and Society (K) course	3				
	13-17		**3**		**12**

FOURTH YEAR

Fall	Credits	Interim	Credits	Spring	Credits
MAT 351 (fall, even years) Modern Geometry	3	MAT 499Foundations of Mathematics	3	EDU 490 Student Teaching Block	14
MAT 422 Real Analysis	3				
EDU 411Mathematics Education Practicum in grades 5-8 or 5-12	1				
EDU 412 Methods in Teaching 5-12 Mathematics	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 and Comparative Systems 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 2019-2020: Option 2 - Humanities

FIRST YEAR

Fall	Credits	Interim	Credits	Spring	Credits
BIB 101Introduction to the Bible	3	GES 147Humanities II: Renaissance and Reformation	4	GES 140Introduction to Wellbeing	3
COS 100Introduction to Programming	3			GES 244Humanities III: European Enlightenment and American Culture to 1877	4
GES 145Humanities I: Greco-Roman through Middle Ages	4			MAT 125 Calculus 2	4
MAT 124MCalculus 1	4			Leisure and Lifetime Sports (Q) course	1
	14		4		12

SECOND YEAR

Fall	Credits	Interim	Credits	Spring	Credits
GES 246Humanities IV: Modern and Contemporary Western Culture	4	EDU 2002Introduction to Education	3	COS 105Computer Science 1	4
MAT 223Multivariable Calculus	3	EDU 201Introduction 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 240Educational Psychology	3	Interpreting Biblical Themes (J) course	3	EDU 220Introduction to Middle Level Education	3
EDU 241Educational Psychology Field Experience	1			EDU 317GZEducational Equity	3
MAT 330Probability and Statistics	3			EDU 320Pedagogy and the Young Adolescent Learner	1
MAT 351 (fall, even years) Modern Geometry	3			EDU 321Integrated Literacy in the Content Areas	1
Artistic Experience (A) course	0-3			MAT 310 Algebraic Structures	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 499Foundations of Mathematics	3	EDU 490 Student Teaching Block	14
EDU 411Mathematics 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 and Comparative Systems 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.)