B.A. in Mathematics 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 125 Introduction to the Creative Arts	4			COS 105 Object-oriented Design and Programming	4
GES 140 Introduction to Wellbeing	3			GES 130 Christianity Western Culture	4
MAT 124M Calculus 1	4			MAT 125 Calculus 2	4
	14		**3**		**15**
SECOND YEAR					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
MAT 223 Multivariable Calculus	3	Elective	3	MAT 211 Linear Algebra	3
MAT 241 Discrete Mathematics	3			MAT 222 Differential Equations	3
Laboratory Science (D) course	4			THE 201 Christian Theology	3
Contemporary Western Life and Thought (L) course	3			Leisure and Lifetime Sports (Q) course	1
Elective	3			Second Language (S) course *1	4
	16		**3**		**14**
THIRD YEAR					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
MAT 330 Probability and Statistics	3	Comparative Systems (G) course	3	MAT 425 Topics in Mathematics	3
World Cultures (U) course	3			MAT 310 Abstract Algebra	4
Interpreting Biblical Themes (J) course	3			Artistic Experience (A) course	0-3
Cross-Cultural Experience (Z) course	0-3			Science, Technology, and Society (K) course	3
Elective	3			Elective	3
	12-15		**3**		**13-16**
FOURTH YEAR					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
MAT 422 Real Analysis	3	MAT 499 Senior Seminar	3	Applied Math course *2	3
Applied Math course *2	4			Contemporary Christian Issues (P) course	3
Electives	8			Electives	6
	15		**3**		**12**
Total Credits 123-129					

*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. Applied Math choices: choose two: MAT 344 Numerical methods (spring only), MAT 376 Operations Research (fall, odd years), or MAT 331 Applied Statistics (spring, even years).

This program assumes a student will use MAT 124M to meet the General Education Mathematics (M) 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 2020-2021: Option 2 - Humanities

FIRST YEAR					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
COS 100 Introduction to Programming	3	GES 147 Humanities II: Renaissance and Reformation	4	COS 105 Object-oriented Design and Programming	4
MAT 124M Calculus 1	4			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
GES 140 Introduction to Wellbeing	3			MAT 125 Calculus 2	4
GES 145 Humanities I: Greco-Roman through Middle Ages	4			Artistic Experience (A) course	0-3
	14		**4**		**12-15**
SECOND YEAR					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
MAT 223 Multivariable Calculus	3	BIB 101 Introduction to the Bible	3	MAT 211 Linear Algebra	3
MAT 241 Discrete Mathematics	3			MAT 222 Differential Equations	3
GES 246 Humanities IV: Modern and Contemporary	4			Elective	3
Laboratory Science (D) course	4			Leisure and Lifetime Sports (Q) course	1
				Second Language (S) course *1	4
	14		**3**		**14**
THIRD YEAR					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
MAT 330 Probability and Statistics	3	Comparative Systems (G) course	3	MAT 310 Abstract Algebra	4
Interpreting Biblical Themes (J) course	3			MAT 425 (spring, odd years) Topics in Mathematics	3
World Cultures (U) course	3			Science, Technology, and Society (K) course	3
Cross-Cultural Experience (Z) course	0-3			Elective	6
Electives	4				
	13-16		**3**		**16**
FOURTH YEAR					
Fall	**Credits**	**Interim**	**Credits**	**Spring**	**Credits**
MAT 422 Real Analysis	3	MAT 499 Senior Seminar	3	Applied Math course *2	3
Applied Math course *2	4			Contemporary Christian Issues (P) course	3
Electives	9			Electives	8
	16		**3**		**14**
Total Credits 126-132					

*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. Applied Math choices: choose two: MAT 344 Numerical methods (spring only), MAT 376 Operations Research (fall, odd years), or MAT 331 Applied Statistics (spring, even years).

This program assumes a student will use MAT 124M to meet the General Education Mathematics (M) 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.)