

B.A. in Mathematics 2022-2023: Option 1 - CWILT

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COS 100 Introduction to Programming or COS 205 Scientific Computing	3	GES 160 Inquiry Seminar	3	MAT 125 Calculus 2	4
MAT 124M Calculus 1 *1	4			COS 105 Object-Oriented Design and Programming	4
GES 125 Introduction to the Creative Arts	4			GES 130 Christianity Western Culture	4
GES 140 Introduction to Wellbeing	3			BIB 101 Introduction to the Bible	3
	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 *4	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
				Second Language (S) course *2	4
	13		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
Applied Math course *3	4			MAT 425 Topics in Mathematics (spring, odd # years)	3
World Cultures (U) 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
	13-16		3		13-16
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
MAT 422 Real Analysis	3	MAT 499 Senior Seminar	3	Applied Math course *3	3
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Electives	9			Electives	6
	15		3		12
Total Credits 122-127					
<p>*1. This program assumes students will use MAT 124M to meet the General Education Mathematics (M) course requirement.</p> <p>*2 Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)</p> <p>*3 Applied Math choices (choose two): MAT 300 Numerical Analysis (spring, odd years), MAT 309 Financial Math (fall, even years), MAT 376 Operations Research (fall, odd years), or MAT 331 Applied Statistics (spring, even years).</p> <p>*4 MAT 224 can be used in place of MAT 222, but not in place of MAT 211.</p>					
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 2022-2023: Option 2 - Humanities

FIRST YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
COS 100 Introduction to Programming or COS 205 Scientific Computing	3	GES 147 Humanities II: Renaissance and Reformation	4	COS 105 Object-Oriented Design and Programming	4
MAT 124M Calculus 1 *1	4			MAT 125 Calculus 2	4
GES 140 Introduction to Wellbeing	3			GES 244 Humanities III: European Enlightenment and American Culture to 1877	4
GES 145 Humanities I: Greco-Roman through Middle Ages	4				
	14		4		12
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 *4	3
GES 246 Humanities IV: Modern and Contemporary Western Culture	4			Artistic Experience (A) course	0-3
Laboratory Science (D) course	4			Second Language (S) course *2	4
				Elective	3
	14		3		13-16
THIRD YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
MAT 330 Probability and Statistics	3	Comparative Systems (G) course	3	MAT 310 Abstract Algebra	4
Applied Math course *3	4			MAT 425 Topics in Mathematics (spring, odd # years)	3
World Cultures (U) course	3			Leisure and Lifetime Sports (Q) course	1
Cross-Cultural Experience (Z) course	0-3			Electives	6
Elective	3				
	13-16		3		14
FOURTH YEAR					
Fall	Credits	Interim	Credits	Spring	Credits
MAT 422 Real Analysis	3	MAT 499 Senior Seminar	3	Applied Math course *3	3
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Electives	9			Science, Technology, and Society (K) course	3
				Electives	6
	15		3		15
Total Credits 123-129					
<p>*1. This program assumes students will use MAT 124M to meet the General Education Mathematics (M) course requirement.</p> <p>*2 Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)</p> <p>*3 Applied Math choices (choose two): MAT 300 Numerical Analysis (spring, odd years), MAT 309 Financial Math (fall, even years), MAT 376 Operations Research (fall, odd years), or MAT 331 Applied Statistics (spring, even years).</p> <p>*4 MAT 224 can be used in place of MAT 222, but not in place of MAT 211.</p>					
<p>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.)</p>					