

B.A. in Mathematics 2016-2017: Option 1 - CWILT

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>COS100 Introduction to Programming</u>	3	Nature of Persons (N) course	3	COS105 Computer Science *1	4
MAT124M Calculus *1	4			<u>GES110 College Writing</u>	3
<u>GES106 Introduction to Liberal Arts</u>	1			<u>GES130 Christianity Western Culture</u>	4
<u>BIB101 Introduction to the Bible</u>	3			MAT125 Calculus *2	4
<u>GES125 Introduction to the Creative Arts</u>	4				
	15		3		15
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>MAT223 Multivariable Calculus</u>	3	Elective	3	<u>MAT211 Linear Algebra</u>	3
<u>MAT241 Discrete Mathematics</u>	3			<u>MAT222 Differential Equations</u>	3
<u>PEA100 Physical Wellness for Life</u>	1			<u>THE201 Christian Theology</u>	3
Laboratory Science (D) course	4			Leisure and Lifetime Sports (Q) course	1
Contemporary Western Life and Thought (L) course	3			Second Language (S) course	4
	14		3		14
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>MAT330 Probability and Statistics</u>	3	Comparative Systems (G) course	3	<u>MAT310 Algebraic Structures</u>	4
World Cultures (U) course	3			Applied Math choice *2	3
Applied Math choice *2	3			Science, Technology, and Society (K) course	3
Electives	3			Elective	3
Cross-Cultural Experience (Z) course	0-3			Artistic Experience (A) course	0-3
	12-15		3		13-16
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>MAT422 Real Analysis</u>	3	<u>MAT499 Foundations of Mathematics</u>	3	<u>MAT425 (spring, odd years)</u>	3
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Electives	9			Electives	6
	15		3		12

Total Credits: 122-128

*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: MAT344 Numerical methods (fall only), MAT376 Operations Research (fall, odd years), or MAT331 Applied Statistics (spring, even years).

This program assumes a student will use MAT124M to meet the general education Mathematics 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)

B.A. in Mathematics 2016-2017: Option 2 - Humanities

First Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>COS100 Introduction to Programming</u>	3	<u>GES147 Humanities II: Renaissance and Reformation</u>	4	<u>BIB101 Introduction to the Bible</u>	3
MAT124M Calculus *1	4			COS105 Computer Science *1	4
<u>GES106 Introduction to Liberal Arts</u>	1			<u>GES244 Humanities III: European Enlightenment and American Culture to 1877</u>	4
<u>GES145 Humanities I: Greco-Roman through Middle Ages</u>	4			MAT125 Calculus *2	4
Nature of Persons (N) course	3				
	15		4		15
Second Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>MAT223 Multivariable Calculus</u>	3	Elective	3	<u>MAT211 Linear Algebra</u>	3
<u>MAT241 Discrete Mathematics</u>	3			<u>MAT222 Differential Equations</u>	3
Laboratory Science (D) course	4			Leisure and Lifetime Sports (Q) course	1
<u>GES246 Humanities IV: Modern and Contemporary Western Culture</u>	4			Second Language (S) course	4
<u>PEA100 Physical Wellness for Life</u>	1			Elective	3
	15		3		14
Third Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>MAT330 Probability and Statistics</u>	3	Comparative Systems (G) course	3	<u>MAT310 Algebraic Structures</u>	4
Applied Math choice *2	3			Applied Math choice *2	3
World Cultures (U) course	3			Science, Technology, and Society (K) course	3
Electives	4			Elective	3
Cross-Cultural Experience (Z) course	0-3			Artistic Experience (A) course	0-3
	13-16		3		13-16
Fourth Year					
Fall	Credits	Interim	Credits	Spring	Credits
<u>MAT422 Real Analysis</u>	3	<u>MAT499 Foundations of Mathematics</u>	3	<u>MAT425 (spring, odd years)</u>	3
Interpreting Biblical Themes (J) course	3			Contemporary Christian Issues (P) course	3
Electives	6			Electives	6
	12		3		12
Total Credits: 122-128					

*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: MAT344 Numerical methods (fall only), MAT376 Operations Research (fall, odd years), or MAT331 Applied Statistics (spring, even years).

This program assumes a student will use MAT124M to meet the general education Mathematics 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.)