B.A. in Mathematics Enhanced Academic Plan

B.A. in Mathematics - CWILT

Recommended Courses				
Fall Semester 1	**Interim Semester 1**	**Spring Semester 1**	**Career Planning and Preparation**	**R.E.A.L. Experience**
COS 100 Introduction to Programming	GES 160 Inquiry Seminar	BIB 101 Introduction to the Bible	PHASE 1: EXPLORE	Create your R.E.A.L. Portfolio
GES 125 Introduction to the Creative Arts		COS 105 Computer Science 1	*Explore self, careers, & God's call*	Consider joining a club or ministry of interest
GES 140 Introduction to Wellbeing		GES 130 Christianity Western Culture	Take a Career Assessment	Consider finding a mentor
MAT 124M Calculus 1		MAT 125 Calculus 2	Research Careers: O*Net, Candid Careers, & informational interviews w/ Alums	
14	**3**	**15**	Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	
MILESTONES: Consider study abroad options				
Recommended Courses				
Fall Semester 2	**Interim Semester 2**	**Spring Semester 2**	**Career Planning and Preparation**	**R.E.A.L. Experience**
MAT 223 Multivariable Calculus	Elective	MAT 211 Linear Algebra	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E.A.L. Portfolio.
MAT 241 Discrete Mathematics		MAT 222 Differential Equations	*Finalize major if necessary & begin gaining experience*	Consider taking a leadership position with a student club.
Laboratory Science (D) course		THE 201 Christian Theology	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
Contemporary Western Life and Thought (L) course		Leisure and Lifetime Sports (Q) course	Build professional network (e.g. informational interviews)	
Elective		Second Language (S) course*1	Attend Spring Career Fair	
16	**3**	**14**	Obtain Internship or relevant job by summer	
MILESTONES: Consider doing an online course over the summer				
Recommended Courses				
Fall Semester 3	**Interim Semester 3**	**Spring Semester 3**	**Career Planning and Preparation**	**R.E.A.L. Experience**
MAT 330 Probability and Statistics	Comparative Systems (G) course	MAT 310 Algebraic Structures	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make it public.
World Cultures (U) course		MAT 425 Topics in Mathematics	*Use experineces to narrow down career choice & develop relevant skills*	Consider studying abroad.
Interpreting Biblical Themes (J) course		Artistic Experience (A) course	Participate in Fall & Spring Recruiting to obtain an internship	Consider applying for a Student Leadership Position in Student Life.
Cross-Cultural Experience (Z) course		Science, Technology, and Society (K) course	Schedule a Mock Interview	Consider being a TA for a favorite class.
Elective		Elective	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
12-15	**3**	**13-16**	Expand Professional Network	
MILESTONE: A minimum 3.2 GPA in your major is a good goal to strive for				
Recommended Courses				
Fall Semester 4	**Interim Semester 4**	**Spring Semester 4**	**Career Planning and Preparation**	**R.E.A.L. Experience**
MAT 422 Real Analysis	MAT 499 Foundations of Mathematics	Applied Math course*2	PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection.
Applied Math course*2		Contemporary Christian Issues (P) course	*Execute an effective job or grad school search*	Consider mentoring an underclassman.
Electives		Electives	Participate in Fall and Spring Recruiting	
			Apply for Graduate School if necessary	
			Expand Professional Network	
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 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 Enhanced Academic Plan

B.A. in Mathematics - Humanities

Recommended Courses				
Fall Semester 1	**Interim Semester 1**	**Spring Semester 1**	**Career Planning and Preparation**	**R.E.A.L. Experience**
COS 100 Introduction to Programming	GES 147 Humanities II: Renaissance and Reformation	COS 105 Computer Science 1	PHASE 1: EXPLORE	Create your R.E.A.L. Portfolio
MAT 124M Calculus 1		GES 244 Humanities III: European Enlightenment and American Culture to 1877	*Explore self, careers, & God's call*	Consider joining Better Together Club, CityFront Ministries, or another club or ministry of interest
GES 140 Introduction to Wellbeing		MAT 125 Calculus 2	Take a Career Assessment	Consider finding a mentor
GES 145 Humanities I: Greco-Roman through Middle Ages		Artistic Experience (A) course	Research Careers: O*Net, Candid Careers, & informational interviews w/ Alums	
14	**4**	**12-15**	Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	
MILESTONES: Consider study abroad options				
Recommended Courses				
Fall Semester 2	**Interim Semester 2**	**Spring Semester 2**	**Career Planning and Preparation**	**R.E.A.L. Experience**
MAT 223 Multivariable Calculus	BIB 101 Introduction to the Bible	MAT 211 Linear Algebra	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E.A.L. Portfolio.
MAT 241 Discrete Mathematics		MAT 222 Differential Equations	*Finalize major if necessary & begin gaining experience*	Consider taking a leadership position with a student club.
GES 246 Humanities IV: Modern and Contemporary Western Culture		Leisure and Lifetime Sports (Q) course	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
Laboratory Science (D) course		Second Language (S) course*1	Build professional network (e.g. informational interviews)	
		Elective	Attend Spring Career Fair	
14	**3**	**14**	Obtain Internship or relevant job by summer	
MILESTONES: Consider doing an online course over the summer				
Recommended Courses				
Fall Semester 3	**Interim Semester 3**	**Spring Semester 3**	**Career Planning and Preparation**	**R.E.A.L. Experience**
MAT 330 Probability and Statistics	Comparative Systems (G) course	MAT 310 Algebraic Structures	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make it public.
Interpreting Biblical Themes (J) course		MAT 425 (spring, odd years) Topics in Mathematics	*Use experineces to narrow down career choice & develop relevant skills*	Consider studying abroad.
World Cultures (U) course		Science, Technology, and Society (K) course	Participate in Fall & Spring Recruiting to obtain an internship	Consider applying for a Student Leadership Position in Student Life.
Cross-Cultural Experience (Z) course		Elective	Schedule a Mock Interview	Consider being a TA for a favorite class.
Electives			Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
13-16	**3**	**16**	Expand Professional Network	
MILESTONE: A minimum 3.2 GPA in your major is a good goal to strive for				
Recommended Courses				
Fall Semester 4	**Interim Semester 4**	**Spring Semester 4**	**Career Planning and Preparation**	**R.E.A.L. Experience**
MAT 422 Real Analysis	MAT 499 Foundations of Mathematics	Applied Math course*2	PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection.
Applied Math course*2		Contemporary Christian Issues (P) course	*Execute an effective job or grad school search*	Consider mentoring an underclassman.
Electives		Electives	Participate in Fall and Spring Recruiting	
			Apply for Graduate School if necessary	
16	**3**	**14**	Expand Professional Network	

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 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.)