	Recommended Courses			
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
OS 100 Introduction to Programming	GES 160 Inquiry Seminar	COS 105 Computer Science 1	PHASE 1: EXPLORE	Create your R.E.A.L. Portfolio
AT 124M*1 Calculus 1		BIB 101 Introduction to the Bible	Explore self, careers, & God's call	Consider joining a club or ministry of interest
ES 140 Introduction to Wellbeing		GES 130 Christianity Western Culture	Take a Career Assessment	Consider finding a mentor
ES 125 Introduction to the Creative Arts		MAT 125 Calculus 2	Research Careers: O*Net, Candid Careers, & informational	
1	14	3	15 Gain Experience: Part-time job; Campus Involvement (e.g.	
		MILESTONES: Consider study abroad option	IS	
	Recommended Courses			
		Spring Semester 2	Career Planning and Preparation	R.E.A.L. Experience
AT 223 Multivariable Calculus	Contemporary Western Life and Thought (L) course	MAT 211 Linear Algebra	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E.A.
AT 241 Discrete Mathematics		MAT 222 Differential Equations	Finalize major if necessary & begin gaining experience	Consider taking a leadership position with a student clu
OS 212 Computer Science 2		COS 216 Data Structures and Algorithms	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
aboratory Science (D) course		THE 201 Christian Theology	Build professional network (e.g. informational interviews)	
		Second Language (S) course*2	Attend Spring Career Fair	
1	4	3	16 Obtain Internship or relevant job by summer	
		MILESTONES: Consider doing an online course over t	ne summer	
	Recommended Courses			
Fall Semester 3	Interim Semester 3	Spring Semester 3	Career Planning and Preparation	R.E.A.L. Experience
AT 330 Probability and Statistics	Interim Off	MAT 310 Algebraic Structures	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make it p
OS 313 Database Systems		MAT 344 Numerical Methods	Use experineces to narrow down career choice & develop	Consider studying abroad.
cience, Technology, and Society (K) course		BUS 317 Business Analytics	Participate in Fall & Spring Recruiting to obtain an internship	Student Life.
/orld Cultures (U) course		Artistic Experience (A) course	Schedule a Mock Interview	Consider being a TA for a favorite class.
ross-Cultural Experience (Z) course		Elective	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if	
12-1	15	0	14-17 Expand Professional Network	
	MILE	STONE: A minimum 3.2 GPA in your major is a good g	goal to strive for	
	Recommended Courses			
Fall Semester 4	Interim Semester 4	Spring Semester 4	Career Planning and Preparation	R.E.A.L. Experience
AT 422 Real Analysis	MAT 499 Foundations of Mathematics	MAT 331 Applied Statistics	PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with
terpreting Biblical Themes (J) course		Electives	Execute an effective job or grad school search	Consider mentoring an underclassman.
omparative Systems (G) course		COS 334 Data Mining and Machine Learning	Participate in Fall and Spring Recruiting	
AT 376 Operations Research		Contemporary Christian Issues (P) course	Apply for Graduate School if necessary	
		Leisure and Lifetime Sport (Q) course	Expand Professional Network	
1	13	3	16	
otal Credits: 123-129				1
 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 ye	pars).	
2. Students must complete through the second seme	ester of a first year language course or equivalent (Che	ck the catalog for details of this option.)		
his program assumes a student will use MAT 124M to me				
nost financial aid packages stipulate 12 credits/seme	ester; Minnesota state grants are reduced when credit l	oad fails below 15 credits/semester. (Interim credits	may be split between fall and spring for state grant purposes o	niy.)

B.A. in Mathematics and Data Science -	Humanities			
	Recommended Courses			
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
OS 100 Introduction to Programming	GES 147 Humanities II: Renaissance and Reformation	BIB 101 Introduction to the Bible	PHASE 1: EXPLORE	Create your R.E.A.L. Portfolio
AT 124M*1 Calculus 1		COS 105 Computer Science 1	Explore self, careers, & God's call	or another club or ministry of interest
ES 140 Introduction to Wellbeing		MAT 125 Calculus 2	Take a Career Assessment	Consider finding a mentor
ES 145 Humanities I: Greco-Roman through Middle Ages		GES 244 Humanities III: European Enlightenment and	Research Careers: O*Net, Candid Careers, & informational	
14	4	4	15 Gain Experience: Part-time job; Campus Involvement (e.g.	
		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
AT 223 Multivariable Calculus	Laboratory Science (D) course	MAT 211 Linear Algebra	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E.A.
AT 241 Discrete Mathematics		MAT 222 Differential Equations	Finalize major if necessary & begin gaining experience	Consider taking a leadership position with a student clu
OS 212 Computer Science 2		COS 216 Data Structures and Algorithms	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
ES 246 Humanities IV: Modern and Contemporary		Second Language (S) course*2	Build professional network (e.g. informational interviews)	
			Attend Spring Career Fair	
14	4	4	13 Obtain Internship or relevant job by summer	
		MILESTONES: Consider doing an online course over the su	Immer	-
	Recommended Courses			
Fall Semester 3	Interim Semester 3	Spring Semester 3	Career Planning and Preparation	R.E.A.L. Experience
AT 330 Probability and Statistics	Interim Off	MAT 310 Algebraic Structures	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make it p
OS 313 Database Systems		MAT 344 Numerical Methods	Use experineces to narrow down career choice & develop	Consider studying abroad.
cience, Technology, and Society (K) course		Elective	Participate in Fall & Spring Recruiting to obtain an internship	Student Life.
/orld Cultures (U) course		BUS 317 Business Analytics	Schedule a Mock Interview	Consider being a TA for a favorite class.
ross-Cultural Experience (Z) course		Artistic Experience (A) course	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if	
12-1	5	0 14-	17 Expand Professional Network	
	MILE	STONE: A minimum 3.2 GPA in your major is a good goal to	o strive for	
	Recommended Courses			
Fall Semester 4	Interim Semester 4	Spring Semester 4	Career Planning and Preparation	R.E.A.L. Experience
AT 376 Operations Research	MAT 499 Foundations of Mathematics	MAT 331 Applied Statistics	PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with
AT 422 Real Analysis		Electives	Execute an effective job or grad school search	Consider mentoring an underclassman.
terpreting Biblical Themes (J) course		COS 334 Data Mining and Machine Learning	Participate in Fall and Spring Recruiting	-
omparative Systems (G) course		Contemporary Christian Issues (P) course	Apply for Graduate School if necessary	
		Leisure and Lifetime Sports (Q) course	Expand Professional Network	
1:	3	3	16	
otal Credits: 122-128				
. Applied Math choices: choose two: MAT 344 Numerical r	methods (spring only), MAT 376 Operations Research (fall, o	odd years), or MAT 331 Applied Statistics (spring, even years).		
2. Students must complete through the second semes	ster of a first year language course or equivalent (Che			
nis program assumes a student will use MAT 124M to mee				
ost financial aid packages stipulate 12 credits/semes	ster: Minnesota state grants are reduced when credit lo	bad falls below 15 credits/semester. (Interim credits may	be split between fall and spring for state grant purposes of	only.)