

B.A. in Computer Science with Software Project Management Emphasis- CWILT				
Recommended Courses				
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
COS 100 or 205 Introduction to Programming or Scientific	GES 160 Inquiry Seminar	COS 105 Computer Science 1	PHASE 1: EXPLORE	Create your R.E.A.L. Portfolio
MAT 124M Calculus 1		GES 130 Christianity Western Culture	Explore self, careers, & God's call	Consider finding a mentor
BIB 101 Introduction to the Bible		GES 140 Introduction to Wellbeing	Take a Career Assessment	
GES 125 Introduction to the Creative Arts		Second Language (S) course*1	Research Careers: O*Net, Candid Careers, & informational	
			Gain Experience: Part-time job; Campus Involvement (e.g.	
14		3	15	
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
COS 212 Computer Science 2	Electives	BUS 210 Financial Accounting	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E.A.L.
MAT 241 Discrete Mathematics		COS 216 Data Structures and Algorithms	Finalize major if necessary & begin gaining experience	Consider taking a leadership position with a student club.
Laboratory Science (D) course		MAT 207M Statistical Analysis	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
Contemporary Western Life and Thought (L) course		THE 201 Christian Theology	Build professional network (e.g. informational interviews)	
		Cross-Cultural Experience (Z) course	Attend Spring Career Fair	
14	3	15	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
COS 318 (fall)*2 Web Programming	COS 450 (interim, even years) Humans and Computers	COS 420 (spring, odd years (or elective)) Software Engineering	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make it public.
BUS 230 or COM 248 Principles of Management or		BUS 334 Principles of Project Management	Use experiences to narrow down career choice & develop	Consider studying abroad.
COM 322 or 370 (fall, odd years) Advanced Group		Leisure and Lifetime Sports (Q) course	Participate in Fall & Spring Recruiting to obtain an internship	Student Life.
World Cultures (U) course		Electives	Schedule a Mock Interview	Consider being a TA for a favorite class.
		Artistic Experience (A) course	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if	
13-14	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
COS 313 (fall, even years (or elective))*2 Database Systems	Interim Off	BUS 344 Managerial Finance	PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with
COM 220 Group Communication		Science, Technology, and Society (K) course	Execute an effective job or grad school search	Consider mentoring an underclassman.
Interpreting Biblical Themes (J) course		Contemporary Christian Issues (P) course	Participate in Fall and Spring Recruiting	
Comparative Systems (G) course		Electives	Apply for Graduate School if necessary	
13	0	16	Expand Professional Network	
Total Credits: 122-126				
*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. Choose one from COS 313, COS 318 (Check the catalog for details.)				
This program assumes a student will use MAT 124M and GES 334K to meet the general education Mathematics and Science, Technology, and Society 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 Computer Science with Software Management Emphasis - Humanities

Recommended Courses				
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
COS 100 or 205 Introduction to Programming or Scientific Computing	GES147 Humanities II: Renaissance and Reformation (4)	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	<i>Explore self, careers, & God's call</i>	Consider joining Sigma Zeta, or another club or ministry of interest
GES 140 Introduction to Wellbeing		BIB 101 Introduction to the Bible	Take a Career Assessment	Consider finding a mentor
GES 145 Humanities I: Greco-Roman through Middle Ages		Second Language (S) course	Research Careers; O'Net, Candid Careers, & informational interviews w/ Alums	
			Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	
14	4	15		

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
COS 212 Computer Science 2	Elective	COS 214 Computer Architecture	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E.A.L. Portfolio
MAT 241 Discrete Mathematics		COS 216 Data Structures and Algorithms	<i>Finalize major if necessary & begin gaining experience</i>	Consider taking a leadership position with a student club.
Laboratory Science (D) course		Electives	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
GES 246 Humanities IV: Modern and Contemporary Western Culture		Cross-Cultural Experience (Z) course	Build professional network (e.g. informational interviews)	
			Attend Spring Career Fair	
15	3	13-16	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
COS 318 *2 Web Programming	COS 450 Humans and Computers	COS 420 (spring, odd years)*2 Software Engineering	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make it public.
COS 301 Operating Systems		Computer Science Elective	<i>Use experiences to narrow down career choice & develop relevant skills</i>	Consider studying abroad.
World Cultures (U) course		Comparative Systems (G)	Participate in Fall & Spring Recruiting to obtain an internship	Consider applying for a Student Leadership Position in Student Life.
Science, Technology, and Society (K) course		Leisure and Lifetime Sports (Q) course	Schedule a Mock Interview	Consider being a TA for a favorite class.
		Elective	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
		Artistic Experience (A) course		
13	3	13-16	Expand Professional Network	

MILESTONES: 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
COS 313 (fall, even years (or elective))*2 Database Systems	Interim Off	COS 386 (spring, odd years (or Elective))*2 Data Communications and Computer Networks	PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection
Computer Science elective		Computer Science Elective	<i>Execute an effective job or grad school search</i>	Consider mentoring an underclassman.
Interpreting Biblical Themes (J) course		Contemporary Christian Issues (P) course	Participate in Fall & Spring Recruiting	
Electives		Electives	Apply for Graduate School if necessary	
			Expand Professional Network	
14	0	15		

Total Credits: 122-125

*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. Choose two from: COS 313, COS 318, COS 386, COS 477 (Check the catalog for details.)

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.)
