

B.A. in Computer Science - CWILT

Recommended Courses					Career Planning and Preparation		R.E.A.L. Experience
Fall Semester 1	Interim Semester 1		Spring Semester 1				
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 applying for a student leadership position of interest	
BIB 101 Introduction to the Bible			GES 140 Introduction to Wellbeing	Take a Career Assessment		Consider finding a mentor	
GES 125 Introduction to the Creative Arts			Second Language (S) course	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					Career Planning and Preparation		R.E.A.L. Experience
Fall Semester 2	Interim Semester 2		Spring Semester 2				
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.	
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			THE 201 Christian Theology	Create/update Resume & LinkedIn		Consider going on a spring break mission trip.	
Contemporary Western Life and Thought (L) course			Cross-Cultural Experience (Z) course	Build professional network (e.g. informational interviews)			
			Electives	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					Career Planning and Preparation		R.E.A.L. Experience
Fall Semester 3	Interim Semester 3		Spring Semester 3				
COS 313 Database Systems	COS 450 Humans and Computers		Artistic Experience (A) course	PHASE 2: EXPERIENCE		Review your R.E.A.L. Portfolio and prepare to make it public.	
COS 301 Operating Systems			Computer Science Elective	Use experiences to narrow down career choice & develop		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			Electives	Schedule a Mock Interview		Consider being a TA for a favorite class.	
Leisure and Lifetime Sports (Q) course				Explore Grad Schools & Take Entrance Exams (e.g. GRE) if			
				Expand Professional Network			
	13		3		15-Dec		

MILESTONE: A minimum 3.2 GPA in your major is a good goal to strive for

Recommended Courses					Career Planning and Preparation		R.E.A.L. Experience
Fall Semester 4	Interim Semester 4		Spring Semester 4				
COS 318 Web Programming	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	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			
Elective			Electives	Apply for Graduate School if necessary			
COS 477 Software Engineering				Expand Professional Network			
	15				15		

Total Credits: 123-126

*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 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.)

B.A. in Computer Science - 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 313 Database Systems	COS 450 Humans and Computers	Electives	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		Artistic Experience (A) course	Schedule a Mock Interview	Consider being a TA for a favorite class.
Leisure and Lifetime Sports (Q) course			Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
14	3	15-Dec	Expand Professional Network	

MILESTONES: A minimum 3.2 GPA in your major is a good goal to strive for

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Interpreting Biblical Themes (J) course		Contemporary Christian Issues (P) course	Participate in Fall and Spring Recruiting	
Electives		Electives	Apply for Graduate School if necessary	
			Expand Professional Network	
14	0	13		

Total Credits: 122-125

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