

B.A. in Chemistry Enhanced Academic Plan

B.A. in Chemistry - CWILT

Recommended Courses				
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
CHE 113 & CHE 113D *1 General Chemistry I and General Chemistry I Lab	GES 125 Introduction to the Creative Arts	CHE 214 & CHE 215 (or elective if CHE208/208D was taken in the fall) *1 General Chemistry I/General Chemistry II Lab	<u>PHASE 1: EXPLORE</u>	Create your R.E.A.L. Portfolio.
OR		MAT 125 Calculus 2	<i>Explore self, careers, & God's call</i>	Consider joining Chemistry Club, Sigma Zeta, or another club or ministry of interest.
CHE 208 & CHE 208D *1 Accelerated General Chemistry and Accelerated General Chemistry Lab		BIB 101 Introduction to the Bible	Take a Career Assessment	Consider finding a mentor.
GES 130 Christianity Western Culture		GES 160 Inquiry Seminar	Research Careers: O*Net, Candid Careers, & informational interviews w/ Alums	
GES 140 Introduction to Wellbeing			Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	
MAT 124M Calculus 1				
19	4	14		
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
CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab	World Cultures (U) course	CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab	<u>PHASE 1&2: EXPLORE/EXPERIENCE</u>	Continue adding artifacts and reflections to your R.E.A.L. Portfolio.
PHY 292 & PHY 292D General Physics I and General Physics I Lab		PHY 296 & PHY 297 General Physics II and General Physics II Lab	<i>Finalize major if necessary & begin gaining experience</i>	Consider taking a leadership position with a student club.
Second Language (S) course*2		THE 201 Christian Theology	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
Contemporary Western Life and Thought (L) course		Artistic Experience (A) course	Build professional network (e.g. informational interviews)	
			Attend Spring Career Fair	
			Obtain Internship or relevant job by summer	
15	3	11-14		
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
CHE 395 Chemistry Seminar: Research and Professional Development	Science, Technology, and Society (K) course	CHE 312 & CHE 313 Quantitative Analysis and Quantitative Analysis Lab	<u>PHASE 2: EXPERIENCE</u>	Review your R.E.A.L. Portfolio and prepare to make it public.
CHE 344 & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab		CHE 490 Chemistry Seminar: Research	<i>Use experiences to narrow down career choice & develop relevant skills</i>	Consider studying abroad.
Chemistry Elective		Chemistry Elective	Participate in Fall & Spring Recruiting to obtain an internship	Consider applying for a Student Leadership Position in Student Life.
Interpreting Biblical Themes (J) course		Comparative Systems (G) course	Schedule a Mock Interview	Consider being a TA for a favorite class.
Leisure and Lifetime Sports (Q) course		Cross Cultural Experience (Z) course	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
			Expand Professional Network	
13	3	13-16		
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
Electives	Interim Off	CHE 494 Chemistry Seminar: Research Presentation	<u>PHASE 3: EXECUTE</u>	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection.
Chemistry Elective		Contemporary Christian Issues (P) course	<i>Execute an effective job or grad school search</i>	Consider mentoring an underclassman.
		Electives	Participate in Fall and Spring Recruiting	
			Apply for Graduate School if necessary	
			Expand Professional Network	
16	0	15		
Total Credits: 126-132				
1. CHE 208 Accelerated General Chemistry/CHE 208D Accelerated General Chemistry Lab is a one-semester course that meets the requirements of CHE 113/CHE 113D and CHE 214/CHE 215. Students taking CHE 208/CHE 208D may choose an elective in the spring of their freshman year.				
2. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)				
This program assumes a student will use CHE 113 General Chemistry I/CHE 113D General Chemistry I Lab and MAT 124M Calculus 1 to meet the general education Laboratory Science and Mathematics requirements.				
Most financial aid packages stipulate 12 credits/semester; Minnesota state grants 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 Chemistry Enhanced Academic Plan

B.A. in Chemistry - Humanities

Recommended Courses				
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
CHE 113 & CHE 113D *1 General Chemistry I and General Chemistry I Lab	GES 147 Humanities II: Renaissance and Reformation	CHE 214 & CHE 215 (or elective if CHE208/208D was taken in fall) *1 General Chemistry IIGeneral Chemistry II Lab	<u>PHASE 1: EXPLORE</u>	Create your R.E.A.L. Portfolio
OR		MAT 125 Calculus 2	<i>Explore self, careers, & God's call</i>	Consider joining Chemistry Club, Sigma Zeta, or another club or ministry of interest.
CHE 208 & CHE 208D *1 Accelerated General Chemistry and Accelerated General Chemistry Lab		GES 244 Humanities III: European Enlightenment and American Culture to 1877	Take a Career Assessment	Consider finding a mentor
MAT 124M Calculus 1		BIB 101 Introduction to the Bible	Research Careers: O*Net, Candid Careers, & informational interviews w/ Alums	
GES 140 Introduction to Wellbeing			Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	
GES 145 Humanities I: Greco-Roman through Middle Ages				
19		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
CHE 200 Laboratory Safety and Chemical Hygiene	World Cultures (U) course	CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab	<u>PHASE 1&2: EXPLORE/EXPERIENCE</u>	Continue adding artifacts and reflections to your R.E.A.L. Portfolio.
CHE 224 & CHE 225 Organic Chemistry I and Organic Chemistry I Lab		PHY 296 & PHY 297 General Physics II and General Physics II Lab	<i>Finalize major if necessary & begin gaining experience</i>	Consider taking a leadership position with a student club.
PHY 292 & PHY 292D General Physics I and General Physics I Lab		Second Language (S) course*2	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
GES 246 Humanities IV: Modern and Contemporary Western Culture		Elective	Build professional network (e.g. informational interviews)	
			Attend Spring Career Fair	
13	3		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
CHE 395 Chemistry Seminar: Research and Professional Development	Science, Technology, and Society (K) course	CHE 312 & CHE 313 Quantitative Analysis and Quantitative Analysis Lab	<u>PHASE 2: EXPERIENCE</u>	Review your R.E.A.L. Portfolio and prepare to make it public.
CHE 344 & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab		CHE 490 Chemistry Seminar: Research	<i>Use experiences to narrow down career choice & develop relevant skills</i>	Consider studying abroad.
Chemistry Elective		Chemistry Elective	Participate in Fall & Spring Recruiting to obtain an internship	Consider applying for a Student Leadership Position in Student Life.
Interpreting Biblical Themes (J) course		Comparative Systems (G) course	Schedule a Mock Interview	Consider being a TA for a favorite class.
Leisure and Lifetime Sports (Q) course		Elective	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
13	3		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
Electives	Interim Off	CHE 494 Chemistry Seminar: Research Presentation	<u>PHASE 3: EXECUTE</u>	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection.
Chemistry Elective		Contemporary Christian Issues (P) course	<i>Execute an effective job or grad school search</i>	Consider mentoring an underclassman.
Artistic Experience (A) course		Elective	Participate in Fall and Spring Recruiting	
		Cross Cultural Experience (Z) course	Apply for Graduate School if necessary	
12-15	0		Expand Professional Network	
Total Credits: 124-131				

1. CHE 208 Accelerated General Chemistry/CHE 208D Accelerated General Chemistry Lab is a one-semester course that meets the requirements of CHE 113/CHE 113D and CHE 214/CHE 215. Students taking CHE 208/CHE 208D may choose an elective in the spring of their freshman year.

2. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

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