

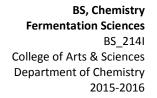


This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of plan require special attention.

	Credit	Min.	Included	Important Notes
Course Subject and Title	Hours	Grade Required	in Major GPA	POS = Program of Study

		Samas	ter One:	[14 Credit Hours]
RC 1000	3	Jemes	lter one.	May be taken in fall or spring of first year
UCO 1200	3			May be taken in fall or spring of first year
CHE 1101& 1110	4		Х	Also meets Gen Ed Science Inquiry requirement
MAT 1110	4	C-	X	Also meets Gen Ed Quantitative Literacy requirement
WAT 1110	4	-		[16 Credit Hours]
CHE 1102 & 1120	4	Semes	X	
MAT 1120	4		X	Also meets Gen Ed Science Inquiry requirement
			+	
BIO 1801	4		Х	
Liberal Studies Experience Course 1	3			HS or LS or FA or SS Designation
Gen Ed Wellness Literacy	1			
		Semest	er Three	: [16 Credit Hours]
RC 2001	3			May be taken in fall or spring of sophomore year
CHE 2201 & 2203	4	C-	Х	
PHY 1150	5		Х	
FER 2000	1		Х	Offered Fall Semester only
Integrative Learning Experience Course 1	3			
		Semes	ter Four:	[13 Credit Hours]
CHE 2202 & 2204	4		Х	
PHY 1151	5		Х	
CHE 2210 & 2211	4		Х	
		Semes	ter Five:	[16 Credit Hours]
CHE 3301 & 3303	4		Х	Offered in Fall Semester only [WID]
BIO 2600	3		Х	
NUT 3210	3		Х	
Liberal Studies Experience Course 2	3			HS or LS or FA or SS Designation
Free Elective	3			List of recommended electives is on the bottom of the POS
		Seme	ster Six: [15 Credit Hours]
CHE 3000	1		Х	
CHE 3560 & 3561	3		Х	Offered in Spring Semester only
BIO 3308	4		Х	
FER 3200	3		Х	Offered in Spring Semester only
Integrative Learning Experience Course 2	3			HS or LS or FA or SS Designation
Gen Ed Wellness Literacy Course	1			





This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of plan require special attention.

	Credit	Min.	Included	Important Notes
Course Subject and Title	Hours	Grade Required	in Major GPA	POS = Program of Study

Semester Seven: [17 Credit Hours]				
CHE 3404	3	Х	Offered in Fall Semester only	
CHE 4000	1	Х	CAPSTONE	
CHE 4580 & 4581	4	Х		
FER 4100 OR Free Elective*	3	Х	FER 4100 – Offered Fall Semester only (*CHE/FER 4200 may be taken next semester in lieu of this course; if choice is CHE/FER 4200, take a Free Elective here)	
Liberal Studies Experience Course 3	3			
Free Elective	3		List of recommended electives is on the bottom of the POS	
Semester Eight: [15 Credit Hours]				
FER 4300	3	Х	Offered in Spring Semester only	
Integrative Learning Experience Course 3	3			
CHE/FER 4200 or Free Elective*	4	Х	Offered in Spring Semester only (*If FER 4100 was taken in previous semester, take Free Elective here)	
Liberal Studies Experience Course 4	3		HS or LS or FA or SS Designation	
Free Elective	2		Take enough hours to reach the minimum 122 required for the degree; List of recommended electives is on the bottom of the POS	

General Requirements Summary						
Minimum Gen Ed.			Minimum			
Total Hours	Writing		Major GPA	Overall GPA		
122	44	RC 1000 and RC 2001	2.0	2.0		

All CHE courses and all courses in Area II on Program of Study count in major GPA.

General Education Program Model - 44 Semester Hours Total				
Program Categories	Hours	Important Notes – Be sure to check for Gen Ed courses required in your major		
First Year Seminar	3	Can be taken first or second semester of freshman year		
Wellness Literacy	2			
Quantitative Literacy	4			
First Year Writing	3	Can be taken first or second semester of freshman year		



BS, Chemistry
Fermentation Sciences
BS_214I
College of Arts & Sciences
Department of Chemistry
2015-2016

This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of plan require special attention.

	Credit	Min.	Included	Important Notes
Course Subject and Title	Cicuit	Grade	in Maior	important Notes
Course Subject and Title	Hours	Grade		POS = Program of Study
	Hours	Required	GPA	FO3 – Flografii di Study

Sophomore Writing	3	
Integrative Learning Experience	9	Must choose a minimum of two disciplines
Liberal Studies Experience	12	Must choose a minimum of three disciplines
Science Inquiry	8	
Science Inquiry	8	

You must also meet the Fine Arts, Literary Studies, Historical Studies, and the Social Science Designations. Those may be met within the Integrative Learning Experience and the Liberal Studies Experience.

Additional Notes:

- Residency Requirements:
 - o 31 hours must be from ASU
 - o 18 hours in the major must be from ASU
 - o 9 hours in the minor must be from ASU
 - Final 30 hours must be courses taken through ASU (includes internships, study abroad taken through ASU)