



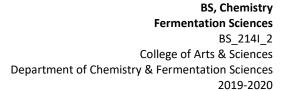
This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability,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

Shaded areas of plan require special attention.

Course Subject and Title

Credit Hours Required Position Again Ag

		Semes	ter One:	[14 Credit Hours]
RC 1000	3			May be taken in fall or spring of first year
Liberal Studies Experience Course 1	3			HS or LS or FA or SS Designation
CHE 1101 & 1110	4		Х	Also meets <b>Gen Ed Science Inquiry</b> requirement (PRE: MAT 1020 or equivalent test score)
MAT 1110	4	C-	Х	Also meets <b>Gen Ed Quantitative Literacy</b> requirement ( <i>PRE: MAT 1025 or equivalent test score</i> )
		Semest	ter Two:	[16 Credit Hours]
UCO 1200	3			May be taken in fall or spring of first year
CHE 1102 & 1120	4	C-	Х	Also meets <b>Gen Ed Science Inquiry</b> requirement ( <i>PRE: MAT 1020 or equivalent test score</i> ) Minimum grade of C- required in CHE 1102 as a prerequisite to CHE/FER 4240 elective in Semester Seven or Eight
MAT 1120	4		Х	
BIO 1801	4		Х	
Gen Ed Wellness Literacy	1			
		Semeste	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	PHY 1150 & 1151 must be completed prior to fall semester of junior year as prerequisite to CHE 3301 & 3303
FER 2000	1		Х	Offered Fall Semester only
Integrative Learning Experience Course 1	3			
		Semest	ter Four:	[13 Credit Hours]
CHE 2202 & 2204	4	C-	Х	Min grade of C- required in CHE 2202 as prerequisite to CHE 4580 required course
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	
Liberal Studies Experience Course 2	3			HS or LS or FA or SS Designation
Free Elective	3			
Free Elective	3			List of recommended electives is on the bottom of the POS
		Semes	ster Six: [	15 Credit Hours]
CHE 3000	1		Х	
CHE 3560 & 3561	3		Х	Offered in Spring Semester only





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Course Subject and Title	Credit Hours	Min. Grade Required	Included in Major GPA	Important Notes POS = Program of Study
	ı	ı		
BIO 3308	4		Х	
FER 3200	3		Χ	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			
	:	Semester :	Seven: [17	7-18 Credit Hours]
CHE 3404	3		Х	Offered in Fall Semester only
CHE 4000	1		Х	CAPSTONE
CHE 4580 & 4581	4		Х	
Fermentation Elective 1	3-4		Х	
Liberal Studies Experience Course 3	3			
Free Elective	3			List of recommended electives is on the bottom of the POS
		Semester	Eight: [12	-13 Credit Hours]
Integrative Learning Experience Course 3	3			
Fermentation Elective 2	3-4		Х	
Liberal Studies Experience Course 4	3			HS or LS or FA or SS Designation
Free Elective	3			
Free Elective	0-1			Take enough hours to reach the minimum 120 required for the degree; List of recommended electives is on the bottom of the POS

General Requirements Summary						
Minimum	Gen Ed.		Minimum			
Total Hours Hours		Writing	Major GPA	Overall GPA		
120	44	RC 1000 and RC 2001	2.0	2.0		

All CHE courses and all courses in Major Requirements area on Program of Study count in major GPA.



Fermentation Sciences

BS\_214I\_2

College of Arts & Sciences

Department of Chemistry & Fermentation Sciences

2019-2020

BS, Chemistry

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

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		
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			

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 30 hours must be from ASU
- o 18 hours in the major must be from ASU
- 9 hours in the minor must be from ASU