

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	Min. Grade Required	Included in Major GPA	Important Notes POS = Program of Study
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Semester 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		X	Also meets <b>Gen Ed Science Inquiry</b> requirement ( <i>PRE: MAT 1020 or equivalent test score</i> )
MAT 1110	4	C-	X	Also meets <b>Gen Ed Quantitative Literacy</b> requirement ( <i>PRE: MAT 1025 or equivalent test score</i> )
Semester Two: [16 Credit Hours]				
UCO 1200	3			May be taken in fall or spring of first year
CHE 1102 & 1120	4	C-	X	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		X	
BIO 1801	4		X	
Gen Ed Wellness Literacy	1			
Semester Three : [16 Credit Hours]				
RC 2001	3			May be taken in fall or spring of sophomore year
CHE 2201 & 2203	4	C-	X	
PHY 1150	5		X	PHY 1150 & 1151 must be completed prior to fall semester of junior year as prerequisite to CHE 3301 & 3303
FER 2000	1		X	Offered Fall Semester only
Integrative Learning Experience Course 1	3			
Semester Four: [13 Credit Hours]				
CHE 2202 & 2204	4	C-	X	Min grade of C- required in CHE 2202 as prerequisite to CHE 4580 required course
PHY 1151	5		X	
CHE 2210 & 2211	4		X	
Semester Five: [16 Credit Hours]				
CHE 3301 & 3303	4		X	Offered in Fall Semester only <b>[WID]</b>
BIO 2600	3		X	
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
Semester Six: [15 Credit Hours]				
CHE 3000	1		X	
CHE 3560 & 3561	3		X	Offered in Spring Semester only



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BIO 3308	4		X	
FER 3200	3		X	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: [17-18 Credit Hours]**

CHE 3404	3		X	Offered in Fall Semester only
CHE 4000	1		X	<b>CAPSTONE</b>
CHE 4580 & 4581	4		X	
Fermentation Elective 1	3-4		X	
Liberal Studies Experience Course 3	3			
Free Elective	3			List of recommended electives is on the bottom of the POS

**Semester Eight: [14-15 Credit Hours]**

Integrative Learning Experience Course 3	3			
Fermentation Elective 2	3-4		X	
Liberal Studies Experience Course 4	3			HS or LS or FA or SS Designation
Free Elective	3			
Free Elective	2-3			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 Total Hours	Gen Ed. Hours	Writing	Minimum	
			Major GPA	Overall GPA
122	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.**



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General Education Program Model - 44 Semester Hours Total		
Program Categories	Hours	Important Notes – <i>Be sure to check for Gen Ed courses required in your major</i>
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:
  - 31 hours must be from ASU
  - 18 hours in the major must be from ASU
  - 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)