

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: [17 Credit Hours]

RC 1000	3			May be taken in Fall or Spring of first year
CHE 1101 & 1110	4		X	Also counts in Gen Ed Science Inquiry requirement (<i>PRE: MAT 1020 or equivalent test score. PRE or CO: CHE 1110 and corequisite MAT 1020 or higher if math prerequisite not met. </i>)
MAT 1110	4	C-	X	Also meets Gen Ed Quantitative Literacy requirement (<i>PRE: MAT 1025 or equivalent test score</i>)
Liberal Studies Experience Course 1	3			HS or LS or FA or SS Designation
Integrative Learning Experience Course 1	3			

Semester Two: [14 Credit Hours]

UCO 1200	3			May be taken in Fall or Spring semester of first year
CHE 1102 & 1120	4		X	Also counts in Gen Ed Science Inquiry requirement (<i>PRE: MAT 1020 or equivalent test score. PRE or CO: CHE 1120 and corequisite MAT 1020 or higher if math prerequisite is not met.</i>)
MAT 1120	4		X	
Liberal Studies Experience Course 2	3			HS or LS or FA or SS Designation

Semester Three: [16 Credit Hours]

RC 2001	3			May be taken in Fall or Spring of sophomore year
CHE 2201 & 2203	4	C-	X	Grade of C- required in both lecture & lab as prerequisite to CHE 2202 & 2204
CHE 2210 & 2211	4		X	Minimum grade of C- required in CHE 2210 and 2211 as prerequisite for CHE 3560/3561 to be taken in semester eight
PHY 1170 and 1160	5		X	PHY 1170/1160 & 1180/1161 must be completed prior to fall semester of junior year as prerequisite to CHE 3301 & 3303

Semester Four: [16 Credit Hours]

CHE 2202 & 2204	4	C-	X	Minimum grade of C- required in CHE 2202 as prerequisite for CHE 4580 to be taken in semester seven
PHY 1180 and 1161	5		X	Required lab
Integrative Learning Experience Course 2	3			HS or LS or FA or SS Designation
Gen Ed Wellness Literacy	1			
Free Elective	3			

Semester Five: [15 Credit Hours]

CHE 3301 & 3303	4		X	
CHE 3000	1		X	[WID]
BIO 1081	4		X	Other Science section required course
Liberal Studies Experience Course 3	3			
Free Elective	3			

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Semester Six: [14 Credit Hours]				
CHE 3302 & 3304	4		X	Offered Spring semester only
CHE 4000	1		X	CAPSTONE
Integrative Learning Experience Course 3	3			
Free Elective	3			
Free Elective	3			

Semester Seven: [15 Credit Hours]				
CHE 4580 Biochemistry I	3		X	
CHE 4400 Senior Research	1		X	CHE 4510 is an option for honors students
CHE 3404 & 3405	4		X	Offered Fall semester only
Integrative Learning Experience Course 3	3			
Free Elective	4			CS 2435 recommended (CO: MAT 1020 or MAT 1025 or equivalent with a minimum grade of "C-" (1.7) or satisfactory Calculus Readiness Test score.)

Semester Eight: [13-15 Credit Hours]				
CHE 3560 & 3561	3		X	Offered Spring semester only
Other Science Course	3-4		X	Courses from AST, BIO, GES, OR PHY, except 1000-level PHY courses
Liberal Studies Experience Course 4	3			HS or LS or FA or SS Designation
Gen Ed Wellness Literacy	1			
Free Elective	3-4*			*Take enough free electives to meet the 120 hours required for the degree

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

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

General Education Program Model - 44 Semester Hours Total

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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:
 - 30 hours overall must be from Appalachian State University
 - 18 hours in the major must be from Appalachian State University
 - 9 hours in the minor must be from Appalachian State University
- Please consult with your advisor to ensure you will complete the appropriate number of free electives as needed to reach the 120 total hours required for your degree.