

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 |
|--------------------------|--------------|---------------------|-----------------------|---|
|--------------------------|--------------|---------------------|-----------------------|---|

| Semester One: [17 Credit Hours] | | | | |
|--|-----|----|---|---|
| ENG 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 |
| MAT 1110 | 4 | C- | X | Also meets Gen Ed Quantitative Literacy requirement |
| Gen Ed Perspective | 3 | | | |
| Gen Ed Perspective | 3 | | | Fine Arts Designation |
| Semester Two: [15 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 |
| MAT 1120 | 4 | | X | |
| Gen Ed Perspective | 3 | | | Historical Studies Designation |
| Gen Ed Wellness Literacy | 1 | | | |
| Semester Three : [16 Credit Hours] | | | | |
| ENG 2001 | 3 | | | May be taken in fall or spring of sophomore year |
| CHE 2201 & 2203 | 4 | C- | X | |
| CHE 2210 & 2211 | 4 | | X | |
| PHY 1150 | 5 | | X | |
| Semester Four: [16 Credit Hours] | | | | |
| CHE 2202 & 2204 | 4 | | X | |
| PHY 1151 | 5 | | X | |
| Gen Ed Perspective | 3 | | | Literary Studies Designation |
| Gen Ed Wellness Literacy | 1 | | | |
| Free Elective | 3 | | | |
| Semester Five: [14-15 Credit Hours] | | | | |
| CHE 3301 & 3303 | 4 | | X | Offered Fall Semester only [WID] |
| CHE 3000 | 1 | | X | |
| Gen Ed Perspective | 3 | | | |
| Other Science Course 1 | 3-4 | | X | Courses from AST, BIO, GLY, OR PHY, except 1000-level PHY courses or PHY 3350 |
| Free Elective | 3 | | | |
| Semester Six: [15 Credit Hours] | | | | |
| CHE 3302 & 3304 | 4 | | X | Offered Spring Semester only |
| CHE 3404 & 3505 | 4 | | X | Offered Spring Semester only |
| CHE 4000 | 1 | | X | CAPSTONE |
| Free Elective | 3 | | | |

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| | | | | |
|---|------|--|---|---|
| Free Elective | 3 | | | |
| Semester Seven: [14 Credit Hours] | | | | |
| CHE 4580 Biochemistry I | 3 | | X | |
| CHE 4400 Senior Research | 1 | | X | CHE 4510 is an option for honors students |
| Gen Ed Perspective | 3 | | | |
| Free Elective | 4 | | | CS 1445 recommended |
| Free Elective | 3 | | | |
| Semester Eight: [15-16 Credit Hours] | | | | |
| CHE 3560 & 3561 | 3 | | X | Offered Spring Semester only |
| Gen Ed Perspective | 3 | | | |
| Other Science Course 2 | 3-4 | | X | Courses from AST, BIO, GLY, OR PHY, except 1000-level PHY courses or PHY 3350 |
| Free Elective | 3 | | | |
| Free Elective | 1-3* | | | *Take enough free electives to meet the 122 hours required for the degree |

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

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

| 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 | |
| Perspectives: | 29 | |

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| | | |
|---------------------|--------|--|
| Aesthetic | 6 or 9 | |
| Historical & Social | 6 or 9 | |
| Local to Global | 6 or 9 | |
| Science Inquiry | 8 | |

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