

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<br>POS = Program of Study |
|--------------------------|--------------|---------------------|-----------------------|---|
|--------------------------|--------------|---------------------|-----------------------|---|

**Semester One: [14 Credit Hours]**

|                 |   |    |   |   |
|-----------------|---|----|---|---|
| RC 1000         | 3 |    |   | May be taken in fall or spring of first year  |
| CHE 1101 & 1110 | 4 |    | X | Also counts in <b>Gen Ed Science Inquiry</b> 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 <b>Gen Ed Quantitative Literacy</b> requirement ( <i>PRE: MAT 1025 or equivalent test score</i> )  |
| Minor Course 1  | 3 |    |   |   |

**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 <b>Gen Ed Science Inquiry</b> 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 |  |
| Minor Course 2           | 3 |  |   |  |
| Gen Ed Wellness Literacy | 1 |  |   |  |

**Semester Three : [16 Credit Hours]**

|                                     |   |    |   |   |
|-------------------------------------|---|----|---|---|
| CHE 2201 & 2203                     | 4 | C- | X |   |
| CHE 2210 & 2211                     | 4 |    | X |   |
| 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  |
| Foreign Language 1040 (or CSD 3372) | 3 |    |   | 1020 or 1030 is prerequisite; If test out of this level, take appropriate level or Free Elective if language is complete (FL 1060 may be an option for some lang) |

**Semester Four: [16 Credit Hours]**

|                                     |   |  |   |   |
|-------------------------------------|---|--|---|---|
| RC 2001                             | 3 |  |   | May be taken in fall or spring semester of sophomore year                                       |
| CHE 2202 & 2204                     | 4 |  | X |   |
| PHY 1180 and 1161                   | 5 |  | X | Requires lab  |
| Foreign Language 1050 (or CSD 3374) | 3 |  |   | Counts as <b>Liberal Studies Experience Course 1</b> ; if language complete, take Free Elective |
| Gen Ed Wellness Literacy            | 1 |  |   |   |

**Semester Five: [17 Credit Hours]**

|                                     |   |  |   |  |
|-------------------------------------|---|--|---|--|
| CHE 3301 & 3303                     | 4 |  | X |  |
| CHE 3000                            | 1 |  | X | [WID]  |
| CHE Elective 1                      | 3 |  | X | Must be at or above 3000 level; CHE3560/3561 or 4580 recommended; minimum grade of C- required in CHE 2210/2210 for CHE 3560/3561 or CHE 2101 or 2202 for CHE 4580 |
| Liberal Studies Experience Course 2 | 3 |  |   | HS or LS or FA or SS Designation   |

|  |   |  |  |  |
|--|---|--|--|--|
| Integrative Learning Experience Course 1 | 3 |  |  |  |
| Minor Course 3                           | 3 |  |  |  |

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

|   |
|---|
| <b>Semester Six: [14-15 Credit Hours]</b> |
|---|

|  |     |  |   |                                  |
|--|-----|--|---|----------------------------------|
| CHE 3302 & 3304                          | 4   |  | X | Offered Spring Semester only     |
| Other Science Course 1                   | 3-4 |  | X |                                  |
| CHE 4000                                 | 1   |  | X | <b>CAPSTONE</b>                  |
| Integrative Learning Experience Course 2 | 3   |  |   | HS or LS or FA or SS Designation |
| Liberal Studies Experience Course 3      | 3   |  |   | HS or LS or FA or SS Designation |

|  |
|--|
| <b>Semester Seven: [15 Credit Hours]</b> |
|--|

|  |   |  |   |                                  |
|--|---|--|---|----------------------------------|
| CHE 4400                                 | 1 |  | X |                                  |
| CHE 3404 & 3405                          | 4 |  | X | Offered Fall Semester only       |
| Minor Course 4                           | 4 |  | X |                                  |
| Liberal Studies Experience Course 4      | 3 |  |   | HS or LS or FA or SS Designation |
| Integrative Learning Experience Course 3 | 3 |  |   |                                  |

|   |
|---|
| <b>Semester Eight: [12-13 Credit Hours]</b> |
|---|

|                        |     |  |   |  |
|------------------------|-----|--|---|--|
| CHE Elective 2         | 2   |  | X | Must be at or above 3000 level; CHE3560/3561 or 4580 recommended   |
| Other Science Course 2 | 3-4 |  | X |  |
| Minor Course 5         | 3   |  |   |  |
| Minor Course 6         | 3   |  |   | If needed for an 18 hour minor; otherwise take Free Elective   |
| Free Elective*         | 1-2 |  |   | *Or take last course for minor; Take enough hours to reach the minimum 120 hours required for the degree |

|                                     |  |  |  |  |
|-------------------------------------|--|--|--|--|
| <b>General Requirements Summary</b> |  |  |  |  |
|-------------------------------------|--|--|--|--|

| Minimum Total Hours | Gen Ed. Hours | Writing             | Minimum   |             |
|---------------------|---------------|---------------------|-----------|-------------|
|                     |               |                     | Major GPA | Overall GPA |
| 120                 | 44            | RC 1000 and RC 2001 | 2.0       | 2.0         |

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

| <b>General Education Program Model - 44 Semester Hours Total</b>   |       |   |
|--|-------|---|
| 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:**

- Minor outside Chemistry required for this degree.
- Foreign language requirement:
  - Student must take the Foreign Language Placement Test to determine starting course for the foreign language sequence.
  - If Foreign Language 1010 & 1020 taken for prerequisite purposes, they will count in place of 6 hours of Free Electives (3 hours per course).
  - FL 1030 may substitute for FL 1010 & 1020 for some languages; FL 1060 may substitute for FL 1040 & 1050 for some languages.
  - Foreign language classes can be taken in summer semesters.
- Students are required to demonstrate intermediate-level proficiency in a language other than English. Intermediate-level proficiency is demonstrated by successful completion of a 4th-semester language course (FL 1050 or 1060 or CSD 3374). A higher-level language course that requires one of these courses as a prerequisite may also be used to fulfill the requirement.
  - Placement exams are required for several languages. Should a student place higher than the beginning level, any lower level requirements listed on the four year guide will need to be replaced with a free elective if needed for total hours for the degree. Please consult with your advisor for more information.
  - **Note: Appalachian's language placement test is designed for placement purposes only, and a score on this test alone is not sufficient to demonstrate intermediate-level proficiency.**



- 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