



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 guide 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: [15 Credit Hours]**

|                                     |   |    |   |   |
|-------------------------------------|---|----|---|---|
| RC 1000                             | 3 |    |   | May take in fall or spring semester of first year   |
| MAT 1110                            | 4 | C- | X | Also meets <b>Gen Ed Quantitative Literacy</b> requirement; Minimum C- required as prerequisite to MAT 1120 |
| CHE 1101/1110                       | 4 |    | X | Also counts in <b>Gen Ed Science Inquiry</b> requirement; ( <i>PRE: MAT 1020 or equivalent test score</i> ) |
| Liberal Studies Experience Course 1 | 3 |    |   | HS or LS or FA or SS Designation  |
| Gen Ed Wellness course              | 1 |    |   |   |

**Semester Two: [15-16 Credit Hours]**

|  |     |    |   |   |
|--|-----|----|---|---|
| UCO 1200   | 3   |    |   | May take in fall or spring semester of first year   |
| MAT 1120   | 4   | C- | X |   |
| CHE 1102/1120  | 4   |    | X | Also counts in <b>Gen Ed Science Inquiry</b> requirement; ( <i>PRE: MAT 1020 or equivalent test score</i> ) |
| Life Sciences Concentration Required Sequence Course 1 | 3-4 |    | X |   |
| Gen Ed Wellness course                                 | 1   |    |   |   |

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

|  |   |  |   |   |
|--|---|--|---|---|
| RC 2001                                  | 3 |  |   | May take in fall or spring semester of sophomore year |
| MAT 2130                                 | 3 |  | X |   |
| MAT 2240                                 | 3 |  | X |   |
| MAT 2310                                 | 4 |  | X | (Fall only)   |
| Integrative Learning Experience Course 1 | 3 |  |   |   |

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

|                                     |   |  |   |                                  |
|-------------------------------------|---|--|---|----------------------------------|
| MAT 2110                            | 4 |  | X |                                  |
| MAT 3130                            | 3 |  | X |                                  |
| STT 3850                            | 4 |  | X |                                  |
| Liberal Studies Experience Course 2 | 3 |  |   | HS or LS or FA or SS Designation |

**Semester Five: [15-16 Credit Hours]**

|  |     |  |   |  |
|--|-----|--|---|--|
| MAT 3110 or 3220                                       | 3   |  | X | <b>[WID] Writing in the Discipline</b>   |
| Life Sciences Concentration Required Sequence Course 2 | 3-4 |  | X |  |
| Life Sciences Electives Course 1                       | 3   |  | X | Choose additional <b>Life Sciences Concentration</b> courses to bring to total hours to at least 25 in concentration. Additional courses must be at or above the 2000 level and selected from a single departmental prefix in the list BIO, CHE, GHY, and GES. |
| Integrative Learning Experience Course 2               | 3   |  |   | HS or LS or FA or SS Designation   |



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| Liberal Studies Experience Course 3               | 3            |                     |                       |  |
| <b>Semester Six: [15 Credit Hours]</b>            |              |                     |                       |  |
| Life Sciences Electives Course 3                  | 3            |                     | X                     | Choose additional <b>Life Sciences Concentration</b> courses to bring to total hours to at least 25 in concentration. Additional courses must be at or above the 2000 level and selected from a single departmental prefix in the list BIO, CHE, GHY, and GES.   |
| Liberal Studies Experience Course 4               | 3            |                     |                       | HS or LS or FA or SS Designation   |
| Free Elective                                     | 3            |                     |                       |  |
| Free Elective                                     | 3            |                     |                       |  |
| <b>Semester Seven: [15 Credit Hours]</b>          |              |                     |                       |  |
| MAT 4040  | 1            |                     | X                     | <b>[CAP] Capstone;</b> The capstone course has a co-requisite of concurrent enrollment in an associated 4000 level course chosen from the Depth Requirements or Major Electives  |
| MAT 4310, 4420 or 4590                            | 3            |                     | X                     |  |
| Depth Requirements Course                         | 3            |                     | X                     | Choose from list of <b>Depth Requirements</b> area on POS; A total of 3 hours in this area is required   |
| Major Elective                                    | 3            |                     | X                     | Choose from list of <b>Major Electives</b> area on POS; A total of 3 hours of electives required   |
| Life Sciences Electives Course 4 OR Free Elective | 2*           |                     | X                     | Choose additional <b>Life Sciences Concentration</b> courses to bring to total hours to at least 25 in concentration. Additional courses must be at or above the 2000 level and selected from a single departmental prefix in the list BIO, CHE, GHY, and GES. If all hours in concentration are complete, take Free Elective. |
| <b>Semester Eight: [13-15 Credit Hours]</b>       |              |                     |                       |  |
| Integrative Learning Experience Course 3          | 3            |                     |                       |  |
| Free Elective                                     | 10-12        |                     |                       | *Take enough hours to reach the minimum 120 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         |

All MAT and STT 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:

- 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.
- Residency Requirements:
  - 30 hours must be from ASU
  - 18 hours in the major must be from ASU
  - 9 hours in the minor must be from ASU