

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: [17 Credit Hours]**

|                          |   |    |   |   |
|--------------------------|---|----|---|---|
| UCO 1200                 | 3 |    |   | May take in fall or spring semester first year  |
| MAT 1025                 | 4 | C- |   | If needed as prerequisite to MAT 1110; Otherwise take MAT 1110 here. Can take fall or spring first year |
| CHE 1101&1110            | 4 |    | X | Counts towards Gen Ed Science Inquiry as well   |
| BIO 1801                 | 4 | C  | X |   |
| Gen Ed Wellness Literacy | 2 |    |   | Take two PE Activity courses or one 2-hour course from POS  |

**Semester Two: [18 Credit Hours]**

|                       |   |  |   |   |
|-----------------------|---|--|---|---|
| ENG 1000              | 3 |  |   | May take in fall or spring semester first year  |
| CHE 1102 & 1120       | 4 |  | X | Counts towards Gen Ed Science Inquiry   |
| BIO 1802              | 4 |  | X |   |
| MAT 1110              | 4 |  | X | If taken in Semester One, take free elective here   |
| Foreign Language 1040 | 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 Three : [16 Credit Hours]**

|                       |   |    |   |  |
|-----------------------|---|----|---|--|
| ENG 2001              | 3 |    |   | May take fall or spring of sophomore year  |
| BIO 2400 or 2700      | 3 |    | X | May take fall or spring of sophomore year  |
| CHE 2201 & 2203       | 4 | C- | X |  |
| STT 2810              | 3 |    | X |  |
| Foreign Language 1050 | 3 |    |   | Can count as Local to Global Perspective Performance of Culture OR Regions in Global Context theme; if language is complete take Free Elective |

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

|                    |   |  |   |  |
|--------------------|---|--|---|--|
| BIO 2012           | 3 |  | X | May take fall or spring of sophomore year  |
| CHE 2202 & 2204    | 4 |  | X |  |
| Minor Course 1     | 3 |  |   |  |
| Minor Course 2     | 3 |  |   |  |
| Gen Ed Perspective | 3 |  |   | Take one additional course in Local to Global Perspective themes "Performance of Culture" OR "Regions in Global Context" to fulfill a 6-hour theme with FL 1050. |

**Semester Five: [15-18 Credit Hours]**

|                                 |     |  |   |   |
|---------------------------------|-----|--|---|---|
| BIO Cellular/Subcellular course | 3-4 |  | X | AREA A in section III. C. on POS. (The total in Area III. C must be 17 hours. One course MUST be a <b>[WID]</b> course.)  |
| BIO Evolution or Ecology course | 3-4 |  | X | AREA B in section III. C. on POS. (The total in Area III. C must be 17 hours. One course MUST be a <b>[WID]</b> course. ) |
| Physics or Geography Course 1   | 3-4 |  | X |   |
| Minor Course 3                  | 3   |  |   |   |

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|---|--------------|---------------------|-----------------------|--|
| Gen Ed Perspective                          | 3            |                     |                       |  |
| <b>Semester Six: [16-18 Credit Hours]</b>   |              |                     |                       |  |
| BIO Anatomy & Physiology Course             | 3-4          |                     | X                     | AREA C in section III. C. on POS. <i>(The total in Area III. C must be 17 hours. One course MUST be a [WID] course.)</i>                       |
| Physics or Geography Course 2               | 3-4          |                     | X                     |  |
| Minor Course 4                              | 4            |                     |                       |  |
| Minor Course 5                              | 3            |                     |                       |  |
| Gen Ed Perspective                          | 3            |                     |                       |  |
| <b>Semester Seven: [15-18 Credit Hours]</b> |              |                     |                       |  |
| BIO Biodiversity Course                     | 3-4          |                     | X                     | AREA D in section III. C. on POS. <i>(The total in Area III. C must be 17 hours. One MUST be a [WID] course.)</i>                              |
| Additional Course from Area III. C. AREAS   | 3-4          |                     | X                     | Total in AREA III. C. MUST be 17 hours and one course must be a [WID].   |
| Physics or Geography Course 3               | 3-4          |                     | X                     | Only If needed to reach 8 hours in that section  |
| Gen Ed Perspective                          | 3            |                     |                       |  |
| Gen Ed Perspective                          | 3            |                     |                       | If Gen Ed is complete, take Free Elective  |
| <b>Semester Eight: [15 Credit Hours]</b>    |              |                     |                       |  |
| BIO 4501 or 4700 or 4910                    | 3            |                     | X                     | <b>CAPSTONE</b>  |
| Additional Course from Area III. C. AREAS   | 3            |                     | X                     | Total in AREA III. C. MUST be 17 hours and one course must be a [WID]. If this course is not needed for Area III. C., then take Free Elective. |
| Minor Course 6                              | 3            |                     |                       | If needed for 18 hour minor; otherwise free elective   |
| Minor Course 7                              | 3            |                     |                       | If needed for 21 hour minor, otherwise free elective   |
| Free Elective                               | 3            |                     |                       | Take enough Free Electives to reach the minimum 122 required for the degree.   |

| <b>General Requirements Summary</b> |               |                       |           |             |
|-------------------------------------|---------------|-----------------------|-----------|-------------|
| Minimum Total Hours                 | Gen Ed. Hours | Writing               | Minimum   |             |
|                                     |               |                       | Major GPA | Overall GPA |
| 128                                 | 44            | ENG 1000 and ENG 2001 | 2.0       | 2.0         |

**All BIO courses and all courses in Area III on the Program of Study are counted in the major GPA.**

**\*Some minors require a 2.0 GPA. See Programs of Study for information.**

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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      |   |
| Perspectives:         | 29     |   |
| Aesthetic             | 6 or 9 |   |
| Historical & Social   | 6 or 9 |   |
| Local to Global       | 6 or 9 |   |
| Science Inquiry       | 8      |   |

**Additional Notes:**

- No more than 46 hours in BIO may be counted towards the degree.
- Minor outside Biology 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 1050 may be used in both major and Gen Ed requirements. If used to fulfill a Gen Ed Perspective theme course, replace one “Gen Ed Perspective” with Free Elective.
  - 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.
- Residency Requirements:
  - 32 hours overall must be from ASU
  - 18 hours in the major must be from ASU
  - 9 hours in the minor must be from ASU