

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: [16 Credit Hours]

| | | | | |
|--|---|---|---|--|
| UCO 1200 | 3 | | | May take in fall or spring semester first year |
| Integrative Learning Experience (ILE) Course 1 | 3 | | | |
| CHE 1101 & 1110 | 4 | | X | Counts towards Gen Ed Science Inquiry as well. (PRE: MAT 1020 or equivalent test score) |
| BIO 1801 | 4 | C | X | Very important to take this course during first semester |
| Gen Ed Wellness Literacy | 2 | | | Take two PE Activity courses or one 2-hour course from POS |

Semester Two: [18 Credit Hours]

| | | | | |
|-----------------------|---|--|---|---|
| RC 1000 | 3 | | | May take in fall or spring semester first year |
| CHE 1102 & 1120 | 4 | | X | Counts towards Gen Ed Science Inquiry . (PRE: MAT 1020 or equivalent test score) |
| BIO 1802 | 4 | | X | |
| MAT 1110 | 4 | | X | Counts towards Gen Ed Quantitative Literacy as well. (PRE: MAT 1025 with C- or passing calculus readiness test) |
| 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 : [17 Credit Hours]

| | | | | |
|----------------------------------|---|--|---|---|
| BIO 2300 | 1 | | X | May take fall or spring of sophomore year |
| RC 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 OR CHE 2101/2102 | 4 | | X | (Grade of C- or better required in CHE 2201/2203 to take CHE 2202 & 2204, if desired) |
| STT 2810 | 3 | | X | |
| Foreign Language 1050 | 3 | | | Counts as Liberal Studies Experience Course 1 ; if language complete, take Free Elective |

Semester Four: [12-13 Credit Hours]

| | | | | |
|-------------------------------------|-----|--|---|---|
| BIO 2012 | 3 | | X | May take fall or spring of sophomore year |
| Cellular/Subcellular course | 3-4 | | X | Choose from courses in Cellular/Subcellular area on POS. (The total in Additional Required Biology Courses area must be 17 hours. One course MUST be a [WID] course.) |
| Minor Course 1 | 3 | | | |
| Liberal Studies Experience Course 2 | 3 | | | HS or LS or FA or SS Designation |

Semester Five: [16-17 Credit Hours]

| | | | | |
|-----------------------------|-----|--|---|---|
| Evolution or Ecology course | 3-4 | | X | Choose from courses in Evolution or Ecology area on POS. (The total in Additional Required Biology Courses area must be 17 hours. One course MUST be a [WID] course.) |
| Physics or Geography Course | 4 | | X | 4 hours minimum is required |
| Minor Course 2 | 3 | | | |

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

| | | | | |
|----------------|---|--|--|----------------------------------|
| Minor Course 3 | 3 | | | |
| ILE Course 2 | 3 | | | HS or LS or FA or SS Designation |

Students may complete a Capstone course during any term (Fall, Spring or Summer) after earning 90 hours total hours. Please discuss Capstone options, including potential internships, with your departmental advisor early to allow time for any necessary changes to your four year guide.

Semester Six: [12-13 Credit Hours]

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|-------------------------------------|-----|--|---|---|
| Anatomy & Physiology Course | 3-4 | | X | Choose from courses in Anatomy & Physiology area on POS. <i>(The total in Additional Required Biology Courses area must be 17 hours. One course MUST be a [WID] course.)</i> |
| Minor Course 4 | 3 | | | |
| Minor Course 5 | 3 | | | |
| Liberal Studies Experience Course 3 | 3 | | | HS or LS or FA or SS Designation |

Semester Seven: [15-17 Credit Hours]

| | | | | |
|---|-----|--|---|---|
| BIO 4501 or 4700 or 4910 | 3 | | X | CAPSTONE; Honors students may take BIO 4519; May take in summer, fall , or spring semester of last year |
| Biodiversity Course | 3-4 | | X | Choose from courses in Biodiversity area on POS. <i>(The total in Additional Required Biology Courses area must be 17 hours. One course MUST be a [WID] course.)</i> |
| Additional Course from Additional Required Biology Courses area | 3-4 | | X | Total in the overall Additional Required Biology Courses area MUST be 17 hours and one course must be a [WID] . |
| ILE Course 3 | 3 | | | |
| Liberal Studies Experience Course 4 | 3 | | | HS or LS or FA or SS Designation |

Semester Eight: [9-14 Credit Hours]

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|---|------|--|---|--|
| Additional Course from Additional Required Biology Courses area | 3 | | X | Total in the overall Additional Required Biology Courses area MUST be 17 hours and one course must be a [WID] . If this course is not needed for this area, then take Free Elective. |
| Physics or Geography Course 2 | 3-4 | | X | If needed to reach 4 hour minimum in Physics and Geography; otherwise 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 if needed to reach 120 hours required for the degree |
| Free Elective | 0-2* | | | *Take enough Free Electives to reach the minimum 120 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 |

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| Course Subject and Title | Credit Hours | Min. Grade Required | Included in Major GPA | Important Notes POS = Program of Study |

All BIO courses and all courses in Major Requirements area on the Program of Study are counted in the major GPA.
*Some minors require a 2.0 GPA. See Programs of Study for information.

| 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:

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- 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 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:
 - 30 hours overall must be from ASU
 - 18 hours in the major must be from ASU
 - 9 hours in the minor must be from ASU