

## Biology B.A. Degree Requirement Checklist

### Basic Requirements

1. **Introductory Biology:** BIOL 2010, 2020, 2030, and 2040 are required. Biology AP Credit: Students who have AP credit for BIOL 2010/2020 must take BIOL 2030 and 2040 or have [equivalent experiences](#).

#### Grade/Planned Term

- BIOL 2010 (Or AP Credit) \_\_\_\_\_
- BIOL 2020 (Or AP Credit) \_\_\_\_\_
- BIOL 2030 (Or Equiv. Exp.) \_\_\_\_\_
- BIOL 2040 (Or Equiv. Exp) \_\_\_\_\_

2. **Chemistry Requirement:** The chemistry requirement must be satisfied by completing CHEM 1410, 1420, 1411, and 1421. (CHEM 1810, 1820, 1811, and 1821 also satisfies this requirement). Students with AP chemistry credit for 1410 and 1420 must still complete the laboratory courses. The laboratory requirement can be met with 1411 plus 1421, 1811 plus 1821, two higher level lab courses, or the one-semester CHEM 2220 course (Solutions Chemistry).

- CHEM 1410 (or AP Credit, CHEM 181) \_\_\_\_\_
- CHEM 1420 (or AP Credit, CHEM 182) \_\_\_\_\_
- Chemistry Lab Requirement
- CHEM 1411 (or CHEM 181L) \_\_\_\_\_
- CHEM 1421 (or CHEM 182L) \_\_\_\_\_

**OR**

- TWO higher level Chemistry Lab Courses
- COURSE: \_\_\_\_\_
- COURSE: \_\_\_\_\_

**OR**

- CHEM 2220: \_\_\_\_\_

3. **Math & Physics Requirements:** Majors are required to complete one course in calculus (MATH 1210, 1220, 1310, or 1320) or statistics (STAT 2559, 2120 or an equivalent or higher level course in another department).

- ONE MATH COURSE (MATH 1210, 1220, 1310, 1320, STAT 2559, or 2120) \_\_\_\_\_

**OR**

- An equivalent or higher level course in another department
- COURSE: \_\_\_\_\_

### Upper Level Requirements

- A. **Biology "Core" Course Requirements:** Majors are required to complete BIOL 3000, BIOL 3010, and BIOL 3020. It is required two of these courses be completed by the end of the third year. *Transfer students entering in their third year do not have to complete two Core courses during their third year*

#### Grade/Planned Term      Credits

- BIOL 3000 \_\_\_\_\_ 3
- BIOL 3010 \_\_\_\_\_ 4
- BIOL 3020 \_\_\_\_\_ 3

- B. **Biology Laboratory Course Requirements:** Majors are required to complete at least 3 hours of laboratory course work at or above the 3000 level. This lab requirement can be satisfied by a departmental course, a course taught at Mountain Lake Biological Station, or with two semesters of [independent research](#) conducted in one laboratory. *Summer research, unless enrolled in BIOL 4911-4918, does not satisfy the upper-level lab requirement. Lab courses offered by other departments do not fulfill the Biology major laboratory requirement.*

- COURSE: \_\_\_\_\_

- C. **Upper-Level Biology Course Requirements:** Majors are required to complete a total of 22 hours of upper-level (3000 or above) biology courses including BIOL 3000, 3010, and 3020 and the required laboratory course. Up to 6 of the 22 upper level credits required for majors may be taken from the following two options outside the Biology Department: 1. Students who complete both CHEM 4410 and CHEM 4420 may apply 4 credits toward the upper-level Biology courses. 2. Courses offered by the Environmental Sciences Department including EVSC 3200/3201 and upper level (4000+) courses that have EVSC 3200 as a prerequisite may count toward the upper level Biology courses. *See Biology website for restrictions on BIOL 3585, 3950, and 4911-4918.*

- COURSE: \_\_\_\_\_

- COURSE: \_\_\_\_\_

- COURSE: \_\_\_\_\_

- COURSE: \_\_\_\_\_

- COURSE: \_\_\_\_\_

- D. **GPA Requirement:** The overall GPA for courses presented for the B.A. degree must be at least 2.000. These courses consist of: BIOL 3000, BIOL 3010, BIOL 3020; the course (or two semesters of independent research) used to satisfy the laboratory course requirement; your "best" remaining 3000 level or higher elective BIOL courses up to a total of 22 credit hours.

**TOTAL Credits A-C-** must be greater than or equal to 22 \_\_\_\_\_

**FOR DETAILED INFORMATION ABOUT THE MAJOR, RESTRICTIONS, TRANSFER CREDIT, AND PETITION INFO, PLEASE SEE THE BIOLOGY WEBSITE**