

# BIOLOGY B.A. DEGREE REQUIREMENT CHECKLIST (declared on or after 8/1/15)

revised 11/20/17

## MAJOR DECLARATION REQUIREMENTS:

In order to declare a BA in Biology, students must first complete BIOL 2100 (or 2010). A student who has AP credit for BIOL 2100/2010 may substitute any BIOL 3000---level course. Incoming 3rd year transfer students may declare a BA in their first semester, provided that they are enrolled in either BIOL 3000 or BIOL 3010.

## MAJOR GPA and OVERALL CREDITS:

Students are required to complete a minimum of 22 credits of upper level coursework including the core courses, lab courses and elective courses (outlined here in 4---6). The coursework presented for the BA degree must have an average GPA of at least 2.000.

### 1. INTRODUCTORY BIOLOGY:

BIOL 2100 & 2200 (or 2010, 2020, 2030 & 2040) are required. (Students who have AP or IB credit for BIOL 2010 & 2020 are exempt from the requirement for BIOL 2030 & 2040.)

		<u>Grade / Planned Term</u>
<input type="checkbox"/>	<b>BIOL 2100</b> (or 2010 & 2030 or AP/IB credit) _____	_____
<input type="checkbox"/>	<b>BIOL 2200</b> or 2020 & 2040 or AP/IB credit) _____	_____

### 2. CHEMISTRY:

The chemistry requirement must be satisfied by completing CHEM 1410, 1420, 1411 and 1421 (or CHEM 1810--- 1821 or CHEM 1610---1621). Students with AP chemistry credit must still complete the laboratory courses. The lab requirement can be met with CHEM 1411 and 1421 (or CHEM 1811 & 1821 or CHEM 1611 & 1621).

		<u>Grade / Planned Term</u>
<input type="checkbox"/>	<b>CHEM 1410</b> (or AP credit, CHEM 1810/1610) _____	_____
<input type="checkbox"/>	<b>CHEM 1420</b> (or AP credit, CHEM 1820/1620) _____	_____

#### LABORATORY REQUIREMENT

<input type="checkbox"/>	CHEM 1411 (or CHEM 1811/1611) _____	
<input type="checkbox"/>	CHEM 1421 (or CHEM 1821/1621) _____	

### 3. MATH:

Students are required to complete biostatistics (STAT 2020) and one course in calculus (MATH 1210, 1220, 1310 or 1320). The calculus requirement may be satisfied by AP credit.

	<u>Course Subject/Number</u>	<u>Grade / Planned Term</u>
<input type="checkbox"/>	<b>STAT 2020:</b> _____	_____
<input type="checkbox"/>	<b>Calculus :</b> _____	_____

### 4. BIOLOGY CORE COURSES (10 credits):

BIOL 3000, 3010, and 3020 are required. This requirement may not be satisfied by post---matriculation transfer credit.

		<u>Grade / Planned Term</u>	<u>Credit</u>
<input type="checkbox"/>	<b>BIOL 3000</b>	_____	3
<input type="checkbox"/>	<b>BIOL 3010</b>	_____	3
<input type="checkbox"/>	<b>BIOL 3020</b>	_____	3

### 5. BIOLOGY ELECTIVE COURSES (12 credits):

Only 3000---/4000---level courses count toward elective credit for the Biology major. Up to 6 credits of elective courses may be taken outside the Biology Department [e.g. EVSC 3200 (3 credits)]. No more than 6 credits of independent research may be applied to the overall Biology BA degree. Students who are double---majors in Biology and another department must have 18 Biology credit hours that are not shared with another major. (See Number of Credits on the Declaring a Major page.) Students may choose any 3000--- or 4000---level courses to satisfy Biology major elective credits; however, elective credits must include at least one course (3--- or 4---credit) from each of three disciplinary areas of biology. The elective courses must also include at least 3 credits of laboratory work.

#### Laboratory Course:

The lab requirement can be satisfied with a laboratory course at UVA or through a field course taught at the Mountain Lake Biological Station. This requirement may also be satisfied with 2 semesters of independent research (BIOL 4910/4920, 4911---4918) conducted under the direction of the same faculty mentor. The laboratory course may also be used to satisfy one of the disciplinary elective requirements.

		<u>Course</u>	<u>Grade / Planned Term</u>	<u>Credit</u>
<input type="checkbox"/>	<b>BIOL 3000/4000 Lab</b>	_____	_____	_____
<b>OR</b>				
<input type="checkbox"/>	<b>BIOL 4910---4920</b>	_____	_____	_____
<input type="checkbox"/>	<b>BIOL 4910---4920</b>	_____	_____	_____

#### Disciplinary Courses:

See the Biology Undergraduate BA Programs website for lists of courses that satisfy disciplinary area requirements.

		<u>Course</u>	<u>Grade / Planned Term</u>	<u>Credit</u>
<input type="checkbox"/>	<b>I. Cell/Molecular Biol.</b>	_____	_____	_____
<input type="checkbox"/>	<b>II. Integrative Biol.</b>	_____	_____	_____
<input type="checkbox"/>	<b>III. Evolution/Ecology</b>	_____	_____	_____