BIOLOGY B.S. DEGREE REQUIREMENT CHECKLIST

4. INTRODUCTORY PHYSICS:

This requirement may be satisfied with any of the following three

combinations of two semesters of intro physics and their two

associated 'workshops' (labs): (PHYS 2010, 2020, 2030, 2040) or

(PHYS 1420, 1429, 2410, 2419) or (PHYS 1425, 1429, 2415, 2419).

(For students who declared Biology BA as a major on or after August 1, 2023)

revised 3/14/2023

MAJOR DECLARATION REQUIREMENTS:

In order to declare a BS in Biology, students must first complete BIOL 3000, 3010 and 3020, and have a cumulative 2.700 GPA in these three courses. This is an overall GPA requirement for these three courses, not an individual course grade requirement.

	Course Grade / Planned Term
MAJOR GPA and OVERALL CREDITS: Students are required to complete 6 core courses, at least 6 credits of lab work, and at least 9 credits of 4000level elective courses (outlined here in 57). The coursework presented for the BS degree must have an average GPA of at least 2.000. 1. INTRODUCTORY BIOLOGY: BIOL 2100 & 2200 (or AP, transfer, or dual enrollment credit) are required. Grade / Planned Term BIOL 2100 (or AP, transfer, dual enrollment or IB credit)	Physics 1 Physics 2 Physics 2 Workshop (lab) 5. BIOLOGY CORE COURSES: BIOL 3000, 3010, 3020, 3030, 3040 and 3050 are all required for the Biology BS. These courses must be taken at UVA. Generally, transfer credit for these courses is not accepted.
BIOL 2200 (or AP, transfer, dual enrollment or IB credit)	Grade / Planned Term Credit
2. CHEMISTRY: The chemistry requirement must be satisfied by completing CHEM 1410, 1420, 1411 and 1421 (or CHEM 1810, 1811, 1420) and two semesters of organic chemistry (CHEM 2410, 2420) with labs (CHEM 2311+2321 -or-2411+2421). Students with AP chemistry credit must still complete the laboratory courses. Completion of the accelerated chemistry course series CHEM 1810, 1811, 1820, 1821, 2810, and 2820 (or 1420) satisfies all introductory and organic chemistry lecture and laboratory requirements. Grade / Planned Term	BIOL 3000
CHEM 1410	
CHEM 1420	6. BIOLOGY LABORATORY COURSES:
CHEM 2410	Students must complete at least 6 credits of laboratory work at/above the 3000level. The lab requirement can be satisfied by any combination of: i) a 3 or 4credit departmental laboratory course, ii) any 3000level or higher field course at Mountain Lake Biological Station, iii) two
LABORATORY REQUIREMENTS	semesters of independent research (BIOL 4910/4920), conducted in the same laboratory. A maximum of 4 credits of Independent Research may be applied toward the laboratory requirement.
CHEM 1411 CHEM 1421	Course Grade / Planned Term Credit
CHEM 2311 or 2411	BIOL Lab
CHEM 2321 or 2421	2x IND RES
3. MATH and STATISTICS: Students are required to complete biostatistics (STAT 2020) or intro to	7. 4000LEVEL COURSES: Students must complete at least 9 credits of 4000level or above (lecture or lab) elective courses (min. 3 credits each). Independent Research

Students are required to complete biostatistics (STAT 2020) or intro to statistics (STAT 2120), a course in calculus (MATH 1190, 1210, or 1310), and a second semester of calculus or statistics from the following list: (MATH 1220 or 1320 or STAT 1601 or 1602 or 3220). Calculus requirement may be satisfied by AP, transfer, or dual enrollment credit.

	Course Subject/Number	Grade / Planned Term
STAT 2020 or STAT 21	20	
MATH 1190 or 1210 o	r 1310:	
MATH 1220 or 1320 or	r	

STAT 1601 or 1602 or 3220: _

Students must complete at least 9 credits of 4000---level or above (lecture or lab) elective courses (min. 3 credits each). Independent Research, DMP Seminar, and courses from the Department of Environmental Sciences may be applied to this requirement, subject to stipulations listed on the Biology website.

	Course Grade / Planned Ter	m Credit
BIOL 4000level+		
BIOL 4000level+		
BIOL 4000level+		