

Bachelor of Science with a Major in Biology

Requirements for the Bachelor of Science Degree with a Major in Biology

Core Curriculum		60
Core Curriculum Areas A, B, C, D.2.a, and E (See VSU Core Curriculum) ¹		42
Core Curriculum Area F		
Science		14-15
BIOL 1100	Biology Freshmen Seminar - Introduction to the Biological Sciences	
BIOL 1108K	Principles of Biology II	
CHEM 1211	Principles of Chemistry I	
CHEM 1211L	Principles of Chemistry Laboratory I	
CHEM 1212	Principles of Chemistry II	
CHEM 1212L	Principles of Chemistry Laboratory II	
PHYS 1111K	Introductory Physics I	
PHYS 1112K	Introductory Physics II	
PHYS 2211K	Principles of Physics I	
PHYS 2212K	Principles of Physics II	
A minimum grade of "C" is required for all BIOL, CHEM, MATH, and PHYS courses.		
MATH 2262	Analytic Geometry and Calculus II	3-4
or MATH 2620	Statistical Methods	
Senior College Curriculum		60
A minimum grade of "C" is required for all BIOL and CHEM courses.		
Required Biology Courses		8
BIOL 3200	Introductory Genetics	3
BIOL 3250	Ecology and Evolution	4
BIOL 4900	Senior Seminar	1
Biology Electives ²		26-27
Required Chemistry courses		
CHEM 3401	Organic Chemistry I	4
CHEM 3402	Organic Chemistry II	4
CHEM 3601	Biochemistry I	3
General Electives		11-12
Carry-over from Core		3-4
Total hours required for the degree		120

¹ Biology majors are required to take pre-calculus (MATH 1113) in Area A and calculus (MATH 2261) in Area D.2.a. One hour of calculus will transfer to the upper elective hours. Biology majors must take 8 hours of science in Area D.2.a and may choose any of the following courses: BIOL 1107K, CHEM 1211 and CHEM 1211L, CHEM 1212 and CHEM 1212L, or calculus-based physics (PHYS 2211K and PHYS 2212K). If biology or chemistry courses are taken in Area D.2.a, biology majors may take non-calculus-based physics (PHYS 1111K and PHYS 1112K) in Area F.

² 3000-level and above (but not BIOL 4830, BIOL 4840, BIOL 4850)
Four courses with labs required
BIOL 4950 limited to 3 hours.