

BIOLOGY, BACHELOR OF SCIENCE WITH A CONCENTRATION IN SECONDARY EDUCATION (B.S.)

Course	Title	Credit Hours
Freshman Year		
ENGL 110	Composition I	3
MATH 121	Trigonometry	3
CHEM 151 & CHEM 153	General Chemistry I and General Chemistry I Laboratory	4
BIOL 120	Principles Of Biology I	4
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)		1
ENGL 111	Composition II	3
STAT 210	Elementary Statistics I	3
CHEM 152 & CHEM 154	General Chemistry II and General Chemistry II Laborator	4
BIOL 121	Principles Of Biology II	4
GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)		3
Credit Hours		32
Sophomore Year		
EDUC 201	Seminar in Education	3
CHEM 305 & CHEM 307	Organic Chemistry I and Organic Chemistry Lab I	4
BIOL 201	Cell And Molecular Biology	4
BIOL 241	Introduction To Microbiology	4
GE Humanities Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geselectivestext)		3
EDUC 202	Foundations of Education	3
IDST 200	Digital Media Teacher Educatio	3
ENGL 202	Intro African American Lit	3
BIOL 205	Integrative Organismal Biology	3
BIOL 205	Integrative Organismal Biology	1
GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext)		3
Credit Hours		34
Junior Year		
EDUC 315	Data Driven Instructional Desi	3
BIOL 320	Principles Of Genetics	4
PHYS 105	Introduction to Physics I	3
PHYS 105	Introduction to Physics I	1
BIOL 310	Plant Morphology	3
BIOL 310	Plant Morphology	1
PSYC 212	Human Growth & Development	3
SPED 403	Classroom Mgmt Ed Setting (FE)	3
BIOL 324	Ecology	3
BIOL 324	Ecology	1
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)		1
AGRI 100	General Earth Science	4
Credit Hours		30
Senior Year		
EDUC 424	Culturally Responsive Pedagogy	2
Restricted Elective	BIOL Course and Lab	4
BIOL 447	Seminar In Biology	1

BIOL 428	Teaching Sci In Secdary Sch	3
BIOL 446	Investigations and Research	3
EDUC 427	Reading In The Subject Area	3
BIOL 402	Student Teaching In Biology	3
EDUC 401	Student Teaching Seminar	3
EDUC 402	Student Teaching FE	9
Credit Hours		31
Total Credit Hours		127

¹ Students not ready for MATH 121 in their Freshman Year may take MATH 120. However, the credits do not count toward the total number of semester hours needed to complete the degree requirements.

Additional Requirements for B.S. in Biology with a Minor in Secondary Education

Freshman Year

- Take and pass Praxis I Assessment

sophomore YEAR

- Students must complete admission to Teacher Education Professional Program.

Senior YEAR

- Students must take and pass Praxis II in Biology prior to student teaching.

General Education Requirements for the B.S. Degree

Code	Title	Credit Hours
GE English Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geenglishselectivestext)		
GE Global Studies Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geglobalstudiestext)		
GE History Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gehistoryelectivestext)		
GE Humanities Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geselectivestext)		
GE Literature Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#geliteratureelectivestext)		
GE Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gescienceelectivestext)		
GE Social Science Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gesocialscienceelectivestext)		
GE Wellness/Health Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gewellnesshealthtext)		
GE Mathematics Electives (http://catalog.vsu.edu/undergraduate/general-education-programs/#gemathematicselectivestext)		

Total Requirements Semester Hours: 33

A single course may simultaneously fulfill a general education requirement and a departmental or major/minor requirement. A single course cannot be used to fulfill more than one general education requirement. Department or

major/minor areas may opt to exceed the minimum credit hour requirements above.

Code	Title	Credit Hours
BIOL 130	Professional Practices Biology	2
BIOL 121	Principles Of Biology II	4
BIOL 201	Cell And Molecular Biology	4
BIOL 205	Integrative Organismal Biology	3
BIOL 205	Integrative Organismal Biology	1
BIOL 241	Introduction To Microbiology	4
BIOL 320	Principles Of Genetics	4
BIOL 324	Ecology	3
BIOL 324	Ecology	1
BIOL 446	Investigations and Research	3
BIOL 447	Seminar In Biology	1
Total Credit Hours		30

Code	Title	Credit Hours
EDUC 201	Seminar in Education	3
EDUC 202	Foundations of Education	3
IDST 200	Digital Media Teacher Educatio	3
EDUC 315	Data Driven Instructional Desi	3
SPED 403	Classroom Mgmt Ed Setting (FE)	3
EDUC 424	Culturally Responsive Pedagogy	2
EDUC 427	Reading In The Subject Area	3
EDUC 401	Student Teaching Seminar	3
EDUC 402	Student Teaching FE	9
CHEM 152	General Chemistry II	3
CHEM 154	General Chemistry II Laborator	1
CHEM 305	Organic Chemistry I	3
CHEM 307	Organic Chemistry Lab I	1
BIOL 428	Teaching Sci In Secdary Sch	3
BIOL 402	Student Teaching In Biology	3
BIOL 310	Plant Morphology	3
BIOL 310	Plant Morphology	1
AGRI 100	General Earth Science	4
Total Credit Hours		54

Code	Title	Credit Hours
Restricted Electives	BIOL Course and Lab	4
Total Credit Hours		4

Code	Title	Credit Hours
General Education		33
Core Requirements		30
Major/Concentration Requirements		54
Electives		4
Total Credit Hours		121