

Biology - Teacher Preparation

Degree Type

B.A. or B.S.

Objective: To enable students to meet Virginia requirements for licensure to teach biology and, under certain circumstances, other related subjects.

Item #	Title	Semester Hours
	Biology Core Courses	34
BIOL 207	Biological Investigation II	2.0
CHEM 111	General Chemistry I	4.0
CHEM 111L	General Chemistry Lab	0.0
CHEM 112	General Chemistry II	4.0
CHEM 112L	General Chemistry II Lab	0.0
CHEM 211	Organic Chemistry I	4.0
CHEM 212	Organic Chemistry II	4.0
PHYS 201	General Physics I	4.0
PHYS 202	General Physics II	4.0
ESCI 111	Physical Geology	4.0
ESCI 112	Historical Geology	4.0
MATH 151	Calculus I	4.0
MATH 152	Calculus II	4.0
	Choose 1 Statistics Course	4

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1.0
EDUC 115	Early Field Experience	0.5
EDUC 115	Early Field Experience	0.5
EDUC 305	Human Growth and Development	3.0
EDUC 324	Assessing for Learning	3.0
EDUC 351	Fundamentals Science/Lab Pedagogy	2.0
EDUC 370	Survey of Exceptional Children	3.0
EDUC 401	Practicum in Education	2.0
EDUC 440	Seminar: Teaching Secondary School	2.0
EDUC 441	Supervised Teaching-Secondary School	10.0
EDUC 445	Foundations of Education	3.0
EDUC 449	Reading & Writing in Content Areas	3.0
EDUC 450	Curriculum&instruct in Sec School	3.0

Additional Requirements

Item #	Title	Semester Hours
	HIST 111 or HIST 112	3

Recommended

Item #	Title	Semester Hours
	HHP 231 or HHP 232 or HHP 251	3

Biology Core Courses

Elective Credits 34

Item #	Title	Semester Hours
BIOL 117	General Biology	4.0
BIOL 201	Organismal Biology	4.0
BIOL 300	Genetics	4.0
BIOL 307	Junior Seminar	1.0
BIOL 420	Evolutionary Biology	4.0
BIOL 450	Senior Seminar	1.0
	Cell and Biochemistry Biology	4
	Organismal Biology	4
	Structure and Function Biology	4
	Population and Ecosystem Biology	4

Choose 1 Statistics Course

Elective Credits 4

Item #	Title	Semester Hours
STAT 161	Introduction to Statistics	4.0
STAT 162	Introduction to Statistics for the Social Sciences	4.0
STAT 163	Introduction to Statistics for the Behavioral Sciences	4.0

HIST 111 or HIST 112

Elective Credits 3

Item #	Title	Semester Hours
HIST 111	American History to 1861	3.0
HIST 112	American History Since 1861	3.0

HHP 231 or HHP 232 or HHP 251

Elective Credits 3

One course from:

Item #	Title	Semester Hours
HHP 231	Personal Health	3.0