

Biology - Teacher Preparation (B.A. or B.S.)

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
CHEM 111	General Chemistry I	4
CHEM 111L	General Chemistry Lab	0
CHEM 112	General Chemistry II	4
CHEM 112L	General Chemistry II Lab	0
CHEM 211	Organic Chemistry I	4
CHEM 212	Organic Chemistry II	4
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
ESCI 111	Physical Geology	4
ESCI 112	Historical Geology	4
MATH 151	Calculus I	4
MATH 152	Calculus II	4
	1 Course from STAT 161, 162, or 163	4

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	1
EDUC 115	Early Field Experience	1
EDUC 305	Human Growth & Development	3
EDUC 324	Assessing for Learning	3
EDUC 351	Fundamentals Science/Lab Pedagogy	2
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

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
BIOL 201	Organismal Biology	4
BIOL 300	Genetics	4
BIOL 307	Junior Seminar	1
BIOL 420	Evolutionary Biology	4
BIOL 450	Senior Seminar	1
	Cell and Biochemistry Biology	4
	Organismal Biology	4
	Structure and Function Biology	4
	Population and Ecosystem Biology	4

1 Course from STAT 161, 162, or 163

Elective Credits 4

1 Course from

HIST 111 or HIST 112

Elective Credits 3

Item #	Title	Semester Hours
HIST 111	American History to 1861	3
HIST 112	American History Since 1861	3

HHP 231 or HHP 232 or HHP 251

Elective Credits 3

One course from:

Item #	Title	Semester Hours
HHP 231	Personal Health	3
HHP 251	Safety Education	3