

BACHELOR OF SCIENCE – BIOLOGY EDUCATION OPTION

A Bachelor of Science degree in Biology from Washington State University requires a minimum of 120 total semester hours. At least 40 semester hours must be upper division coursework. A B.S. in Biology requires a minimum of 19 semester hours of core BIOLOGY courses (BIOLOGY 106, 107, 301, 372 and 405 or 403). An additional 21 semester hours of biological sciences coursework selected in consultation with your biology advisor is required. The 21 semester hours must include 15 upper division credits, six of which must be BIOLOGY prefix taken in residence at WSU. [WSU defines "In Residence" as a course taken at any campus in the WSU system, including Pullman, the branch campuses, and the Global Campus.] An overall GPA of at least 2.0 must be maintained in all college and departmental requirements. Two courses must satisfy the "Writing in the Major" [M] requirement. [CAPS] course must have a BIOLOGY prefix. Students completing this degree will earn a B.S. in Biology. In order to obtain teaching credentials in the State of Washington, students must complete additional requirements. Completion of the MIT program at WSU will meet certification requirements (for details, please see <https://education.wsu.edu/graduate/mit/>).

Core Requirements:

Biological Science Core Requirements:

		Grade
BIOLOGY 106	General Biology	4 hrs. _____
BIOLOGY 107	General Biology	4 hrs. _____
BIOLOGY 301	General Genetics	4 hrs. _____
BIOLOGY 372 [M]	General Ecology	4 hrs. _____
BIOLOGY 403 or 405	Prin Org Evolution	3 hrs. _____

One plant course from the following:

BIOLOGY 332[M]	Systematic Botany	4 hrs. _____
BIOLOGY 401[CAPS]	Plants and People	3 hrs. _____
BIOLOGY 409	Plant Anatomy	4 hrs. _____
BIOLOGY 420	Plant Physiology	3 hrs. _____

Calculus Requirement:

MATH 140	Math Life Science OR	
MATH 171	Calculus	4 hrs. _____

Statistics Requirement:

STAT 212	Intro Stats OR	
STAT 412	Int Stat Meth Res I OR	
PSYCH 311	Elem Stat in Psych	3 or 4 hrs. _____

Chemistry Requirements:

CHEM 105*	Chemistry I	4 hrs. _____
CHEM 106*	Chemistry II	4 hrs. _____
CHEM 345	Organic I	4 hrs. _____

Physics Requirements:

PHYSICS 101* OR 201*	Physics	4 hrs. _____
PHYSICS 102 OR 202	Physics	4 hrs. _____

Education Option Requirements:

PSYCH 105	Intro Psych	3 hrs. _____
ENGR 120	Innov in Design	3 hrs. _____
CHEM 370	Chem Biol OR	3 hrs. _____
MBIOS 303	Biochem	4 hrs. _____
T&L 301	Learn and Dev	3 hrs. _____
BIOL/TCH LRN 430	Meth Teach Sci I	3 hrs. _____
BIOL/TCH LRN 431	Meth Teach Sci II	3 hrs. _____
TCH LRN 465	Teach Engl	3 hrs. _____
TCH LRN 467[M]	Adol Comm & School	3 hrs. _____
TCH LRN 470	Spec Ed Class Mgt	3 hrs. _____

One animal course from the following:

BIOLOGY 322[M]	Invert Biol	4 hrs. _____
BIOLOGY 324	Comp Vert Anat	4 hrs. _____
BIOLOGY 423	Ornithology	4 hrs. _____
BIOLOGY 428	Mammalogy	4 hrs. _____
BIOLOGY 432[M]	Amphib & Rep	4 hrs. _____
BIOLOGY 438[M]	Anim Behavior	3 hrs. _____

UCORE REQUIREMENTS (Including CAS additional req.):

[ROOT]	_____ Roots of Contemporary Issues	(3)
[COMM]	_____ Communication OR	
[WRTG]	_____ Written Communication**	(3)
[WRTG]	_____ Written Communication	(3)
[QUAN]	_____ Quantitative Reasoning	(3)
[SSCI]	_____ Inquiry in the Social Sciences	(3)
[HUM]	_____ Inquiry in the Humanities	(3)
[ARTS]	_____ Inquiry in the Creative & Professional Arts	(3)
[BSCI][PSCI][SCI]		
	_____ Inquiry in the Inquiry in the Nat. Sciences	(7)
[]	_____ Inquiry in SSCI, HUM or ARTS (CAS)**	(3)
[DIVR]	_____ Diversity	(3)
[CAPS]	_____ Integrative Capstone ¹	(3)
[M]	_____ Writing in the major (2 courses)	

Note: three, 3 credit (9 total credits) UCORE courses may fulfill major requirements.

- _____ Foreign Language - 1 yr. OR 2 yrs. H.S.
- _____ Upper division (Minimum 40 credits)
- _____ Minimum Total Credits (120)
- _____ Junior Writing Portfolio

<http://universitycollege.wsu.edu/units/writingprogram/units/writingassessment/juniorwritingportfolio/guidelines/index.html>

¹[CAPS] must be BIOLOGY prefix.

*Chemistry and Physics require a grade of C or better to progress to the next level course.

***All official requirements for each student's specific degree requirements are listed in the MyWSU advisement report. This sheet is meant to serve as a guide.