

**BACHELOR OF SCIENCE – BIOLOGY  
BOTANY OPTION**

A B.S. degree 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. degree in Biology requires a minimum 40 semester hours of biological science coursework. Two courses must satisfy the "Writing in the Major" [M] requirement. An overall GPA of at least 2.0 must be maintained in all college and departmental requirements.

**Core Requirements:**

Grade

Biological Science Core Requirements:

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

Calculus Requirement:

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

Statistics Requirement:

STAT 212	Intro Stats OR		
STAT 412	Biometry OR		
PSYCH 311	Elem Stat	3-4 hrs.	_____

Chemistry Requirements:

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

Physics Requirements:

PHYS 101 OR 201	Physics	4 hrs.	_____
PHYS 102 OR 202	Physics	4 hrs.	_____

**Botany Option Requirements:**

BIOL 320	Intro Plant Physiol	4 hrs.	_____
BIOL 332	Systematic Botany	4 hrs.	_____
BIOL 409	Plant Anatomy	4 hrs.	_____
BIOL 462	Comm Ecology	3 hrs.	_____

Botany Option Electives (3 Credits, minimum):\*\*\*

CropS/BIOL 325	Plant Biotech	3 hrs.	_____
BIOL 393 [M]	Seminar	3 hrs.	_____
MBioS 401	Intro Cell Biol	3 hrs.	_____
BIOL 462	Community Ecology	3 hrs.	_____
BIOL 499	Special Problems	1-4 hrs.	_____
BIOL 504	Exp Meth Plant Phys	3 hrs.	_____
BIOL 512	Mol Mech Plant Dev	3 hrs.	_____
BIOL 513	Plant Metabolism	3 hrs.	_____

Please consult with your advisor for additional biological science courses.

**GENERAL UNIVERSITY PLUS COLLEGE OF SCIENCES REQUIREMENTS:**

Minimum Requirements

_____	World Civilization [A]	(6)
_____	Communication [W, C]	(6)
_____	Intercultural Studies [I, G, K]	(3)
_____	Arts & Humanities [H, G]	(3)
_____	Social Sciences [S, K]	(3)
_____	Hum or Soc Sci Elect	(9)

_____	Tier III [T]	(3)
_____	Foreign Language - 1 yr. OR	
_____	2 yrs. H.S.	

_____	UPPER DIVISION	(40)
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Writing Portfolio

(<http://www.writingprogram.wsu.edu/units/writingassessment/midcollege/>). One of the above courses must also fulfill diversity [D] requirement.

\*Chemistry requires a grade of C or better to progress to the next level course.

\*\*\* BIOL 500-level courses may be taken with the approval of the advisor and the instructor.