

**BACHELOR OF SCIENCE – BIOLOGY
GENERAL 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:

<u>Biology Requirements:</u>		<u>Grade</u>
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. _____

<u>Calculus Requirement:</u>	
MATH 140	Math Life Science OR
MATH 171	Calculus

<u>Statistics Requirement:</u>	
STAT 212	Intro Stats OR
STAT 412	Biometry OR
PSYCH 311	Elem Stats

<u>Chemistry Requirements:</u>	
CHEM 105*	Chemistry I
CHEM 106*	Chemistry II
CHEM 345	Organic I

<u>Physics Requirements:</u>	
PHYS 101 OR 201	Physics
PHYS 102 OR 202	Physics

General Biology Option Requirements:

<u>Cell Biology Requirement:</u>	
BIOL 352	Cell Phys OR
MBioS 401	Int. Cell Biology

<u>Biochemistry Requirement:</u>	
MBioS 303	Int. Biochemistry

<u>Biology Elective Requirements:</u>	
Biology General electives (14 credits minimum):	
BIOL 315	Gross & Microanat
BIOL 320	Intro Plant Phys
BIOL 321	Prin Animal Dev
BIOL 322	Invertebrate Biol
BIOL 324	Comp Vert Anat
BIOL 330	Prin of Conservation
BIOL 332	Systematic Botany
BIOL 353	Mammalian Phys
BIOL 393 [M]	Seminar
BIOL 409	Plant Anatomy
BIOL 410	Marine Ecol
BIOL 412	Biol & Mgt of Fishes
BIOL 418 [M]	Parasitology

<u>Biology Electives (con't):</u>	
BIOL 423	Ornithology
BIOL 428	Mammalogy
BIOL 432 [M]	Amphibians & Reptiles
BIOL 438 [M]	Animal Behavior
BIOL 460	Plant Ecophysiology
BIOL 462	Community Ecology
MBioS 305	Gen Microbiology
MBioS 306	Gen Microbiology Lab
MBioS 410	Medical Microbiology
MBioS 402	Genetics Lab
MBioS 423	Human Genetics
MBioS 440	Immunology
MBioS 442	Gen Virology
MBioS 450	Micro Physiology

Please consult your advisor to substitute other 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)

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.