

BACHELOR OF SCIENCE – BIOLOGY ENTOMOLOGY 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>Biological Science Core Requirements:</u>			<u>Grade</u>
BIOL 106	Gen Biology	4 hrs.	_____
BIOL 107	Gen Biology	4 hrs.	_____
BIOL 301	General Genetics	4 hrs.	_____
BIOL 372	Gen Ecology	4 hrs.	_____
BIOL 405	Prin Org. Evolution	3 hrs.	_____

<u>Calculus Requirement:</u>			<u>Grade</u>
MATH 140	Math Life Science OR		
MATH 171	Calculus	4 hrs.	_____

<u>Statistics Requirement:</u>			<u>Grade</u>
STAT 212	Intro Stats OR	3-4 hrs.	_____
STAT 412	Biometry OR		
PSYCH 311	Elem Stats		

<u>Chemistry Requirement:</u>			<u>Grade</u>
Chem 105*	Chemistry I	4 hrs.	_____
Chem 106*	Chemistry II	4 hrs.	_____
Chem 345	Organic I	4 hrs.	_____

<u>Physics Requirement:</u>			<u>Grade</u>
Phys 101 OR 201	General	4 hrs.	_____
Phys 102 OR 202	General	4 hrs.	_____

Entomology Option Requirements:

<u>Biochemistry Requirement:</u>			<u>Grade</u>
MBioS 303	Int Biochem	4 hrs.	_____

<u>Entomology Requirements:</u>			<u>Grade</u>
BIOL 120	Intro to Botany OR		
BIOL 320	Intro to Plant Phys OR		
BIOL 332	Systematic Botany	4 hrs.	_____
BIOL 352	Cell Physiol OR		
MBioS 401	Intro Cell Biol	3 hrs.	_____
ENTOM 343 [M]	General Entom	3 hrs.	_____
ENTOM 344 [M]	General Entom Lab	2 hrs.	_____
ENTOM 440 [M]	Tax Imm. Insects	4 hrs.	_____

Entomology Option Electives (minimum 3 credits):

BIOL 321	Prin Animal Dev	4 hrs.	_____
BIOL 322	Invertebrate Biology	4 hrs.	_____
BIOL 325	Plant Biotech	3 hrs.	_____
BIOL 330	Prin of Conserv	3 hrs.	_____
BIOL 350	Comp Phys	4 hrs.	_____

Entomology Option Electives (con't):

BIOL 352	Cell Physiology	3 hrs.	_____
BIOL 353	Mammalian Physiology	4 hrs.	_____
BIOL 393 [M]	Seminar	2 hrs.	_____
BIOL 409	Plant Anatomy	4 hrs.	_____
BIOL 418 [M]	Parasitology	4 hrs.	_____
BIOL 431	Prin Systematic Biol	3 hrs.	_____
BIOL 438 [M]	Animal Behavior	3 hrs.	_____
BIOL 462	Community Ecology	3 hrs.	_____
ENTOM 441	Insect Ecology	3 hrs.	_____
ENTOM 445	Mech Resist Arthropods	3 hrs.	_____
ENTOM 446	Host Plant Resist	3 hrs.	_____
ENTOM 448	Medical Entomology	3 hrs.	_____
ENTOM 472	Aquatic Entomology	3 hrs.	_____
MBioS 410	Medical Microbiology	3 hrs.	_____
MBioS 446	Epidemiology	3 hrs.	_____

Please consult your advisor to substitute other biological sciences 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.