

## BACHELOR OF SCIENCE – ZOOLOGY PRE-MEDICINE / PRE-DENTISTRY 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 taken in residence at WSU. 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.\*\*\*\*

NOTE: You should check the website of your choice of professional schools early to be certain about admissions requirements. Specific attention should be paid to requirements in organic chemistry and biochemistry.

### Core Requirements:

<u>Biological Science Core Requirements:</u>			<u>Grade</u>
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 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	Stat Meth Res I OR		
PSYCH 311	Elem Stats	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.	_____

### Pre-Medical / Pre-Dental Option Requirements:

#### Additional Chemistry Requirement:

CHEM 348	Problem Solving	4 hrs.	_____
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#### Microbiology / Invertebrate Biology Requirement:

*Two of the following:*

MBIOS 305**	Microbiology &	3 hrs.	_____
MBIOS 304 OR 306	Microbiology Lab	2-3 hrs.	_____
BIOLOGY 322	Invertebrate Biology	4 hrs.	_____
BIOLOGY 418	Parasitology	4 hrs.	_____

#### Anatomy / Development Requirement:

*Two of the following:*

BIOLOGY 315	Human Anatomy	4 hrs.	_____
BIOLOGY 321[M]	Prin Animal Dev	4 hrs.	_____
BIOLOGY 324	Comp Vert Anatomy	4 hrs.	_____

#### Biochemistry Requirement:

MBIOS 303	Biochemistry	4 hrs.	_____
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### Physiology Requirements:

*One set from the following:*

MBIOS 401	Intro Cell Biol &		
BIOLOGY 353	Mammalian Phys OR	7 hrs.	_____
BIOLOGY 352	Cell Phys &		
BIOLOGY 353	Mammalian Phys	7 hrs.	_____

### Pre-Med/Pre-Dent Option Electives (optional courses):

*Courses in the School of Biological Sciences that are suitable for this option can be found:*

[http://sbs.wsu.edu/undergrad/Electives\\_September\\_2014.pdf](http://sbs.wsu.edu/undergrad/Electives_September_2014.pdf)

*Courses in other departments at WSU may also be suitable as electives and should be chosen in consultation with your advisor.*

### UCORE REQUIREMENTS (Including CAS additional req.):

[ROOT]	_____ Roots of Contemporary Issues	(3)
[COMM]	_____ Communication <b>OR</b>	
[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 SS, Hum or Arts (CAS)***	(3)
[DIVR]	_____ Diversity	(3)
[CAPS]	_____ Integrative Capstone	(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/writingassessments/juniorwritingportfolio/guidelines/index.html>

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

\*\*Required for admission to U of W Dental School.

\*\*\* Psych 105 [SSCI] and Soc 101[SSCI] should be used to fulfill these requirements.

\*\*\*\***This sheet is meant to serve as a guide. Official requirements for each student's specific degree are listed in the my.wsu academic requirements report.**