

# Biological Sciences

## BS — Pre-Professional Zoology (Pre-Dental)

### Suggested Course Outline

#### Freshman

*General Biology & Lab	04-102/103	4	General Zoology & Lab	04-114/115	4
College Algebra	17-118	3	General Psychology	08-103	3
**General Chemistry I & Lab	24-114/115	4	General Chemistry II & Lab	24-116/117	5
Composition I	10-111	3	<u>Composition II</u>	10-112	3
Freshman Seminar	71-101	1	Total		15
<u>Total</u>		15			

#### Sophomore

General Microbiology	04-140	4	General Botany & Lab	04-112/113	4
Physics	24-110/111	4	Physics	25-112/113	4
Fundamentals of Oral Comm	29-102	3	Intro to American Government	34-102	3
America – A Historical Survey	33-155	3	Intro to Literature	10-220	3
<u>Humanities/Philosophy/Ethics</u>		3	<u>Institutional Requirement-Technology</u>		3
<u>Total</u>		17	<u>Total</u>		17

#### Junior

Comparative Anatomy	04-322	4	Organic Chemistry II/Lab	24-344/345	5
Social Science		3	Genetics	04-350	3
Organic Chemistry I/Lab	24-342/343	5	Biological Science Seminar	04-491	1
<u>Fine Arts</u>		3	Histology	04-418	4
<u>Total</u>		15	<u>Institutional Requirement-Multicultural</u>		3
			<u>Total</u>		16

#### Senior

Cell Biology	04-310	4	Human Physiology	04-438	4
***Biochemistry	24-562	3	Immunology	04-444	4
<u>Electives</u>		8	<u>Electives</u>		6
<u>Total</u>		15	<u>Total</u>		14

\*Biology 102-103 may be waived with 2 years of high school Biology.

\*\*If one has not taken a substantial high school chemistry course, Chemistry 112/113 should be taken prior to Chemistry 114/115. Furthermore, student needs to have mastered Algebra II in high school.

\*\*\*Biochemistry 24-362 may be substituted for 24-562 but is only offered in Spring.

\*\*\*\*General Education courses may be taken in any order.

Suggested elective hours: business, computer science, applied arts, or additional hours in mathematics, formal logic, humanities, social/behavior sciences.

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*( Please note this outline does not supersede the requirements listed in the Northwest Undergraduate Student Catalog nor does it constitute a contractual arrangement, rather it is for information only. It is the student's responsibility to be aware of and to meet all University and Department requirements as listed in the catalog.*

**Fall 2010**