

Biological Sciences

B.S. - Pre-Professional Zoology (Pre-Optometry)

Suggested Course Outline

Freshman

¹ Biology	04-102/103	4	Zoology	04-114/115	4
Algebra	17-118	3	Chemistry	24-116/117	5
² Chemistry	24-114/115	4	English	10-112	3
English	10-111	3	<u>Psychology</u>	<u>08-103</u>	<u>3</u>
<u>Freshman Seminar</u>	<u>71-101</u>	<u>1</u>	<u>Total</u>		<u>15</u>
<u>Total</u>		<u>15</u>			

Sophomore

Microbiology	04-140	4	Botany	04-112/113	4
Physics	24-110/111	4	Physics	25-112/113	4
Speech	29-102	3	Government	34-102	3
Trigonometry	17-119	2	Literature	10-220	3
<u>Humanities/Ethics</u>		<u>3</u>	<u>Fine Arts</u>		<u>3</u>
<u>Total</u>		<u>16</u>	<u>Total</u>		<u>17</u>

Junior

Comparative Anatomy	04-322	4	Genetics	04-350	3
Calculus	17-120	3	Organic Chemistry	24-344/345	5
Organic Chemistry	24-342/343	5	Human Physiology	04-438	4
<u>Social Science</u>		<u>3</u>	Biological Seminar	04-491	1
<u>Total</u>		<u>15</u>	<u>Elective</u>		<u>3</u>
			<u>Total</u>		<u>16</u>

Senior

Cell Biology	04-310	4	Histology	04-418	4
³ Biochemistry	24-562/563	5	Immunology	04-444	4
Behavioral Science		3	<u>Institutional Requirements</u>		<u>6</u>
<u>Statistics</u>	<u>17-114</u>	<u>3</u>	<u>Total</u>		<u>14</u>
<u>Total</u>		<u>15</u>			

¹Biology 102/103 may be waived with two years of high school biology.

²A student with a poor background in Chemistry should take Chemistry 112/113 before Chemistry 114/115. Also needs to have taken Algebra II in high school.

³Biochemistry 24-362 may be substituted for 24-562, but is offered only in the Spring.

⁴Suggested elective hours: business management, medical terminology, foreign language

Professional schools vary in pre-requisites that are required for admission. For example, some schools may require calculus while others require foreign languages. You need to determine the specific requirement for each school to where you plan to apply. Much of this information may be found on the web or by writing the respective admissions office.

Advisor: Janette Padgitt (GS3390, 660-562-1204)

(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.

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