

Biological Sciences

BS in Biology with Cellular/Molecular Emphasis

Suggested Course Outline

Freshman

Freshman Seminar	71-101	1	Composition	10-112	3
Composition	10-111	3	*General Botany & Lab	04-112/113	4
*General Zoology & Lab	04-114/115	4	General Chemistry II & Lab	24-116/117	5
General Chemistry I & Lab	24-114/115	4	America – A Historical Survey	33-155	3
Humanities/Philosophy		3	<hr/>		
Total		15	Total		15

Sophomore

Microbiology	04-140	4	Genetics	04-350	3
Organic Chemistry I & Lab	24-342/343	5	Organic Chemistry II & Lab	24-344/345	5
Fundamentals of Oral Comm	29-102	3	Intro to Literature	10-220	3
Intro to American Government	34-102	3	**Calculus	17-120	4
Informational Tech IR		3	<hr/>		
Total		18	Total		15

Junior

Cell Biology	04-310	4	Molecular Biology (ODD YEARS)	04-440	4
General Physics I & Lab	25-110/111	4	General Physics II & Lab	25-112/113	4
Fine Arts		3	Multicultural IR		3
General Psychology	08-103	3	<hr/>		
Total		14***	Total		11***

Senior

Human Physiology I	04-438	4	OR	Plant Physiology (EVEN YEARS)	04-430	4
Basic Ecology	04-376	4		Immunology	04-444	4
Social Science		3		Biological Science Seminar	04-491	1
General Biochemistry & Lab	24-562/563	5	OR	Elementary Biochemistry & Lab	24-362/363	4
Total		16		Biology Practicum	04-383	1
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				Total		14

*Biology 04-102/103 or equivalent of two years of high school biology required as prerequisite.

**Prerequisite: College Algebra (17-118) and Trigonometry (17-119) or Precalculus (17-117)

***Additional hours needed to meet minor requirement of 24 hours. These courses can be taken various semesters as time allows.

(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