

BACHELOR OF SCIENCE IN INTEGRATED HUMAN BIOLOGY

2017 – 2018

View course descriptions at Bastyr.edu/Catalog

Prerequisites

- Entering undergraduates must have at least a 2.75 cumulative GPA with a grade of C or better in all basic proficiency and science requirement courses.
- Prior to enrolling, students must have completed 90 quarter credits (60 semester credits), including a minimum number of credits in the basic proficiency/science requirements and general education categories.

Note: Students may apply to the program while completing prerequisite coursework.

Basic Proficiency and Science Requirements

Course	Credits
English Literature or Composition	9
Precalculus.....	4
General Psychology	3
General Cell Biology (science-major level with lab).....	4
General Chemistry I & 2 (science-major level with labs).....	8
Speech Communication or Public Speaking ¹	3

¹Students that complete a WA state college Direct Transfer Associate Degree (DTA) are not required to complete this course.

General Education Requirements

Course	Credits
Arts and Humanities	15
Social Sciences.....	15
Natural Sciences	12
Electives.....	17

¹The number of elective credits may vary depending upon the exact number of quarter credits earned in the other prerequisite categories.

Junior Year (Year I)

Cat. No.	Course Title	FALL QUARTER	Credits
BC3123	Organic Chemistry for Life Sciences Lecture/Lab ¹		6
BC3139	Human Biology Seminar.....		2
BC3148	Research Methods in Human Biology 1.....		3
BC4116	Bioethics.....		3
			Total 14

¹BC3123 will be waived for students who have previously taken 10 hours of Organic Chemistry. Students who plan to apply to allopathic medical schools should take the two-quarter organic sequence offered in summer.

Cat. No.	Course Title	WINTER QUARTER	Credits
BC3144	Integrated Biochemistry and Cell Biology.....		6
BC3145	Physics 1 Lecture/Lab.....		5
BC3149	Research Methods in Human Biology 2.....		3
			Total 14

Cat. No.	Course Title	SPRING QUARTER	Credits
BC3146	Physics 2 Lecture/Lab.....		5
BC3150	Biophysics 1.....		1
BC3151	Integrated Human Biology 1 Lecture/Lab.....		6
BC4119	Introduction to Research Proposals.....		2
BC9133	Biotechnology and Society.....		2
			Total 16

Senior Year (Year II)

Cat. No.	Course Title	FALL QUARTER	Credits
BC3152	Integrated Human Biology 2 Lecture/Lab.....		6
BC4100	Microbiology Lecture/Lab.....		4
BC4108	Biophysics 2.....		1
	Advanced Programmatic Electives**		2
	Programmatic Electives.....		3
			Total 16

Cat. No.	Course Title	WINTER QUARTER	Credits
BC4135	Biophysics 3.....		1
BC4153	Integrated Human Biology 3 Lecture/Lab.....		6
BC4161	Advanced Cell and Molecular Biology.....		4
	Advanced Programmatic Electives**		5
			Total 16

Cat. No.	Course Title	SPRING QUARTER	Credits
BC9104	Immunology.....		4
BC9108	Pathophysiology.....		3
IS9115	Intestinal Microbiota.....		3
	Advanced Programmatic Electives**		4
			Total 14

Three (3) credits of Programmatic (general) Electives for Fall of the Junior Year – To Be Announced

**Advanced Programmatic Electives

Cat. No.	Course Title	SPRING QUARTER	Credits
BC9134	Biology of Receptors.....		3
BC9105	Laboratory Research Methods.....		2
BC9107	Virology.....		3
BC9109	Advanced Musculoskeletal Anatomy with Palpation.....		4
BC9112	Advanced Topics in Human Biology.....		1
BC9119	IHB Student Research.....		1-5
BC9130	Special Topics in Human Biology.....		variable
BC9801	Internship.....		1-5
TR9130	Obesity and Obesity-Related Diseases.....		2

Total Requirements

Total Core Course Credits & Hours.....	75
Total Programmatic Elective Credits & Hours.....	3
Total Advanced Programmatic Elective Credits & Hours.....	11
Total Requirements.....	90