Human Biology
Bachelor of Science
2025-2026

General Areas of Service:
Human Biology students study humans from biological and behavioral perspectives, with attention given to professional competencies related to human interactions. Students are broadly prepared for careers in the health professions such as medicine, dentistry, pharmacy, epidemiology and public health, and the allied health professions. Other career paths include those related to anthropology, human genetics and counseling, forensics research, education, and nutrition. Human Biologists use biological, behavioral, and societal information to critically assess and solve complex problems. They are skilled science communicators who can work to improve community health and write policy recommendations. They may work in drug discovery and development, conduct clinical trials, or they may study the patterns and causes of disease to help control their spread. Human biologists may also pursue a patient-focused career as a health care provider.

Professional Training:
Successful graduates are prepared to pursue advanced degrees in health-related professions such as medicine, dentistry, pharmacy, and allied health professions. With graduate training, one may work in a wide variety of fields from public health to anthropology. Entry-level jobs as research or pharmacy technicians, and veterinary or dental assistants may only require a bachelor's degree.

Job Outlook:
A Human Biology degree provides a strong foundation for various healthcare and science-related careers, with generally positive job outlooks. According to the Bureau of Labor Statistics, employment of biologists is expected to grow 5 percent from 2023 to 2033, faster than the average for all occupations. Growth for dentists is expected to be 5% and physicians is 4%. Some top growth areas include medical scientists at 11%, forensic science technicians at 14%, and epidemiologists at 19%.

Earnings:
The Bureau of Labor Statistics reports that in May 2024, the median annual salary for biologists (all fields) was $71,000; however, this varied widely depending on the specialty and whether one had an advanced degree. The median annual salary for biological technicians was $52,000, and $83,980 for epidemiologists, $100,590 for medical scientists, $179,210 for dentists, and "equal to or greater than $239,200" for physicians (www.bls.gov).

Elective Note:
Electives should be chosen in consultation with the advisors and will depend on the career path desired

BIOLOGY DEPARTMENT

Rigby Hall
(509) 527-2602

Websites
Walla Walla University
University Bulletin

Biology Department

Faculty
Advisors

David Lindsey (Chair of Biology)

Jeremy Wiggins (Director of the Center for Health Professions)

Professional Organizations
American Institute of Biological Sciences

Suggested Degree Path

TOTAL CREDITS REQUIRED: 192 GENERAL STUDIES REQUIREMENTS: 64-69. See the Undergraduate Bulletin for Details
The chart below details one suggested path a student may take to complete a bachelor's degree Human Biology.
Cognates are listed in *italics*.

Freshman Year

Fall Courses	Hours
General Biology & Lab (BIOL 141 & 141L)	4
Math Option (MATH 121)	(4)
Introduction to Analytical Writing (ENGL 121)	3
***Intro. to Psychology: Social Foundations** (PYSC 140)*	4
General Studies/Major Courses	1-5
Total	16

Winter Courses	Hours
General Biology & Lab (BIOL 142 & 142L)	4
Introduction to Research Writing (ENGL 122)	3
Math Option (MATH 122)	4
***Intro. to Psychology: Social Foundations** (PYSC 141)*	4
General Studies/Major Courses	1
Total	16

Spring Courses	Hours
General Biology & Lab (BIOL 143 & 143L)	4
General Studies/Major Courses	12
Total	16

Sophomore Year

Fall Courses	Hours
Intro to Biological Research I (BIOL 216)	3
General Chemistry & Lab (CHEM 141 & 144)	4
General Physics & Lab (PHYS 211 & 214)	4
General Studies/Major Courses	5
Total	16

Winter Courses	Hours
Biostatistics (BIOL 250)	4
General Chemistry & Lab (CHEM 142 & 145)	4
General Physics & Lab (PHYS 212 & 215)	4
General Studies/Major Courses	4
Total	16

Spring Courses	Hours
General Chemistry & Lab (CHEM 143 & 146)	4
General Physics & Lab (PHYS 213 & 216)	4
General Studies/Major Courses	8
Total	16

Junior Year

Fall Courses	Hours
Cell Biology I (BIOL 381)	4
Organic Chemistry & Lab (CHEM 321 & 324)	5
Journal Club (BIOL 326)	(1)
Colloquium (BIOL 495)	0
General Studies/Major Courses	6-7
Total	16

Winter Courses	Hours
Cell Biology II (BIOL 382)	4
Organic Chemistry & Lab (CHEM 322 & 325)	5
Journal Club (BIOL 326)	(1)
Colloquium (BIOL 495)	0
General Studies/Major Courses	6-7
Total	16

Spring Courses	Hours
Cell Biology III & Lab (BIOL 383)	4
Journal Club (BIOL 326)	(1)
Colloquium (BIOL 495)	0
General Studies/Major Courses	11-12
Total	16

Senior Year

Fall Courses	Hours
Philosophy of Origins & Speciation (BIOL 483)	3
Foundations of Biochemistry (CHEM 431)	4
Colloquium (BIOL 495)	0
General Studies/Major Courses	9
Total	16

Winter Courses	Hours
Colloquium (BIOL 495)	0
General Studies/Major Courses	16
Total	16

Spring Courses	Hours
Senior Seminar (BIOL 496)	2
Colloquium (BIOL 495)	0
General Studies/Major Courses	14
Total	16

Office of Academic Advisement
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