



BIOLOGY

Explore Life. Discover Your Future.

Whether you dream of becoming a doctor, veterinarian, pharmacist, researcher, environmental scientist, or healthcare professional, a degree in biology can help you get there. At Heritage University, you'll study life at every level—from cells and genetics to ecosystems and human health—while gaining the hands-on research experience and personalized support needed to pursue your goals.



DEGREE OFFERINGS

BACHELOR OF ARTS, B.A.

Biology

Biology Track

Physical Therapy Track

BACHELOR OF SCIENCE, B.S.

Biology

Biomedical Track

Natural Resources Track

To get started on your biology career today, visit us at heritage.edu/Biology or call (509) 865-0440.



SCAN FOR MORE
INFORMATION

WHAT WILL I STUDY?

At Heritage, you'll build a strong foundation in the biological sciences while exploring the areas that inspire you most. Study genetics, microbiology, ecology, physiology, molecular biology, and biochemistry while developing the analytical and problem-solving skills needed for careers in healthcare, research, environmental science, and beyond.

CHOOSE FROM PATHWAYS THAT ALIGN WITH YOUR GOALS:

- **Biomedical Sciences** for students interested in medicine, dentistry, pharmacy, and health professions
- **Natural Resources** for careers in environmental and conservation sciences
- **Physical Therapy Preparation**
- **General Biology** for research, teaching, and graduate study

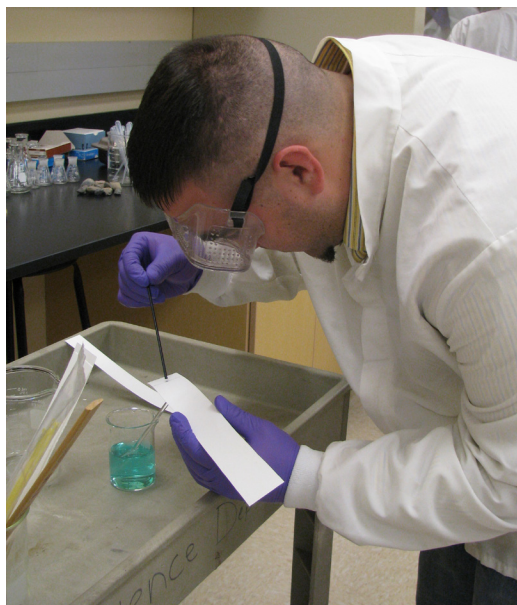
Our faculty will work with you to develop a personalized academic pathway that prepares you for your future career.

LEARN THROUGH DISCOVERY

AT HERITAGE, SCIENCE HAPPENS FAR BEYOND THE CLASSROOM.

Biology students complete hands-on research experiences that prepare them for graduate school and professional careers. Our students have conducted Alzheimer's research at Vanderbilt University School of Medicine, studied the neuroscience of food addiction at the National Institutes of Health, participated in environmental field research, and even shadowed surgeons in Thailand.

These experiences help students build professional networks, strengthen graduate school applications, and discover what inspires them most.





SET YOUR OWN PATH

At Heritage, your education isn't one-size-fits-all. You'll work closely with faculty mentors to design an academic experience that reflects your interests, strengths, and career aspirations—whether that's entering the medical field, becoming a researcher, protecting natural resources, or even entering academia.

WHAT COULD YOU DO?

A biology degree opens the door to a wide range of careers and graduate programs. Heritage graduates have gone on to attend medical, veterinary, pharmacy, and graduate schools and pursue careers in healthcare, scientific research, education, and environmental science.

ALUMNI CAREERS INCLUDE:

- Biomedical Researcher
- College Professor
- Community Health Researcher
- Doctor
- Environmental Scientist
- Laboratory Scientist
- Pharmacist
- Physician Assistant
- Science Teacher

GRADUATE PROGRAMS ALUMNI HAVE ATTENDED INCLUDE:

Columbia University

Master of Public Health

Oregon State University

Ph.D. in Microbiology

Doctor of Veterinary Medicine (D.V.M.)

Pacific Northwest University of Health Sciences

Doctor of Dental Medicine

Doctor of Osteopathic Medicine

Doctor of Physical Therapy

Washington State University

Doctor of Pharmacy

Master of Science in Horticulture

Doctor of Veterinary Medicine (D.V.M.)

Heritage Biology Graduates Work Here

- Fred Hutch Cancer Center
- Indian Health Service
- USDA Agricultural Research Service
- MultiCare
- Oregon State University
- PMH Medical Center
- Walgreens Pharmacy
- Yakima Valley Farm Workers Clinic
- Yakama Nation Department of Natural Resources
- Yakima Medical Clinic



“The Heritage science experience allowed me to connect with scientists around the globe and provided me opportunities to live my dream.”

- Corbin Schuster, Ph.D.,
B.S. in Biology, 2018
Assistant Professor of Microbiology,
Oregon State University

SAMPLE COURSE GUIDE FOR B.S. BIOLOGY

Note: Courses in bold are part of the GENERAL UNIVERSITY COURSE REQUIREMENTS (GUCRs). This is a suggested course guide and may change as needed. You will take more elective science courses to complete your requirements during your junior and senior years. This allows you to build a program that best prepares you for your academic and career goals. The B.A. in Biology offers more flexibility and elective courses at the upper-division level.

FRESHMAN YEAR FIRST SEMESTER		Credits	SECOND SEMESTER		Credits
ENG 101	English Composition I	3	ENG 102	English Composition II	3
BIOL 110/L	General Biology I + Lab	4	BIOL 111/L	General Biology II + Lab	4
CHEM 110/L	General Chemistry I + Lab	4	CHEM 111/L	General Chemistry II + Lab	4
MATH 140/L	College Algebra + Lab	4	MATH 150/L	Trigonometry + Lab	4
UNIV 101	Foundations for Success	3			
		18			15

SOPHOMORE YEAR FIRST SEMESTER		Credits	SECOND SEMESTER		Credits
BIOL 340/L or 410/ Human Anatomy or Plant Taxonomy + Lab		4	BIOL 317/L or 341/L Plant or Human Physiology + Lab		4
CHEM 305/L or 310/L Survey Org. Chem. or Organic Chemistry I + Lab		4	CHEM 311/L or Elective Organic Chemistry II or Science Elective + Lab		4
MATH 212	Calculus and Analytical Geometry I	5	MATH 221/L	Probability and Statistics + Lab	4
PHIL 210	Logic & Critical Thinking	3	HIS 102W	World Civilization II	3
		16			15

JUNIOR YEAR FIRST SEMESTER		Credits	SECOND SEMESTER		Credits
BIOL 318W/L	Genetics + Lab	4	BIOL 330/L	Molecular and Cell Biology + Lab	4
BIOL 322/L	Microbiology+ Lab	4	Upper-Division Organismal Biology + Lab		4
CHEM 410W/L	Biochemistry I + Lab	4	FINE ARTS GUCR		3
PHYS 101/L or 211/L General Physics I (Algebra or Calculus) + Lab		4	PHYS 102/L or 212L General Physics II (Algebra or Calculus) + Lab		4
		16			15

SENIOR YEAR FIRST SEMESTER		Credits	SECOND SEMESTER		Credits
Upper-Division Science Elective + Lab		4	BIOL 490	Capstone Elective	2
Upper-Division Science Elective		3	General Elective		3
Social Science GUCR		3	World Language GUCR		4
Humanities GUCR		3	Technology GUCR		3
		13			12

TOTAL: 120 CREDITS