

GLOBAL DISEASE ECOLOGY

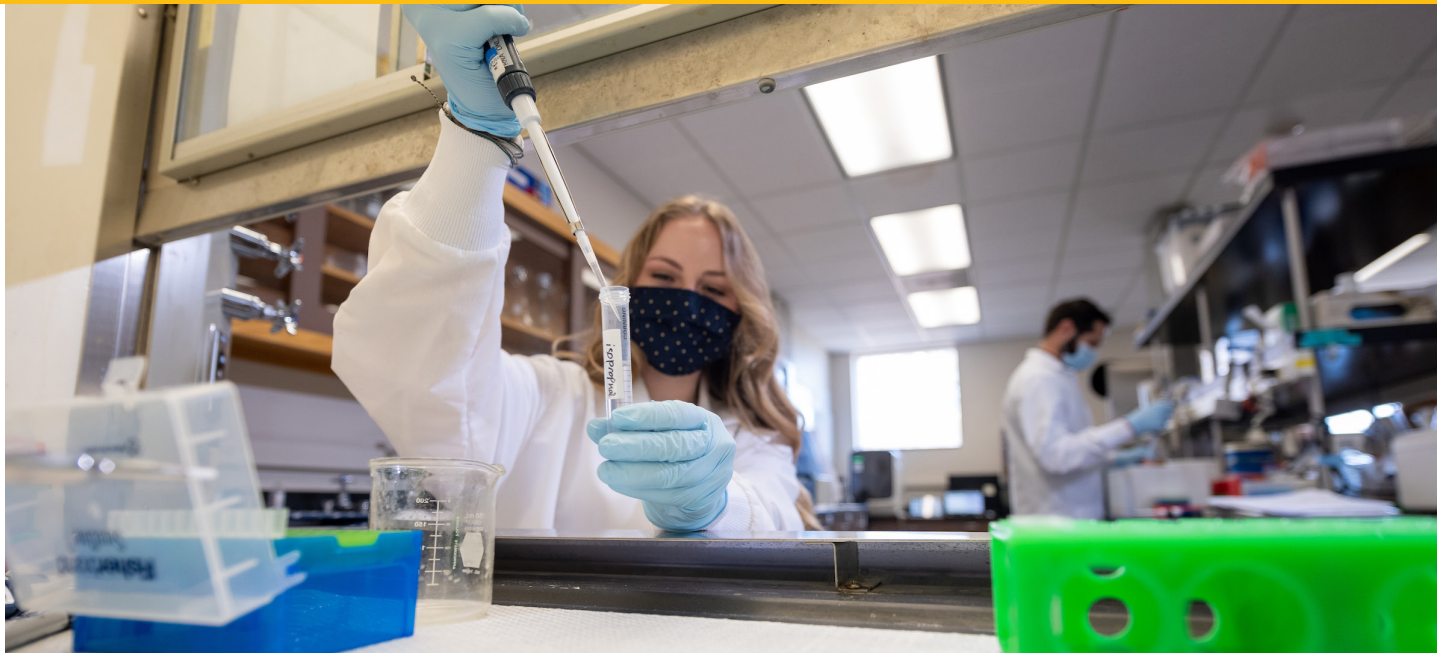
2024/2025 Four-Year Plan

This document is for planning purposes only. For official degree information, refer to Degree Audit and speak with your advisor.

YEAR 1 • FALL	AVS 109 (F) The Science of Animals That Serve Humanity	4	YEAR 1 • SPRING	BIO 114 Organisms and Environments	4
	PHIL 103 Introduction to Ethics	3		SOC 101 Introduction to Sociology	3
	ELECTIVE General Education or Entomology	3		ENGL 102 College Writing & Rhetoric (Test Scores/ENGL 101)	3
	MATH 143, 160 or 170 Math Core (Test Scores/MATH 108)	3		COMM 101 OR AGED 101 Fund. of Oral Comm. or Verbal Comm. in Agriculture, Food and Natural Resources	3
	ENGL 101 Introduction to College Writing (Test Scores, ENGL 109)	3		EPPN 110 Introduction to Global Disease Ecology	2
	EPPN 100 Epidemics: Drivers of Society	1			
	TOTAL CREDITS	17		TOTAL CREDITS	15
YEAR 2 • FALL	CHEM 111/111L Principles of Chemistry I (Test Scores/CHEM 101/MATH 143)	4	YEAR 2 • SPRING	STAT 251 Statistical Methods (MATH 108, 143, 160, or 170)	3
	PLSC 102 Science of Plants in Agriculture	3		CHEM 112/112L Principles of Chemistry II (CHEM 111)	5
	MATH 160 Survey of Calculus (Test Scores/MATH 143)	4		BIOL 115/115L Cells and the Evolution of Life (CHEM 101 or 111)	4
	ECON 201 or 202 Principles of Macro or Microeconomics	3		EPPN 154/155 Microbiology & the World Around Us/Lab	4
	EPPN 220 Global Disease Ecology Seminar	2			
	TOTAL CREDITS	16		TOTAL CREDITS	16
YEAR 3 • FALL	BIOL 310 Genetics (BIOL 115/L or 250)	3	YEAR 3 • SPRING	CHEM 275 Carbon Compounds (CHEM 101/L or 111/L) OR CHEM 277 Organic Chemistry (CHEM 112)	3
	AVS 371 (F) Anatomy & Physiology	3		EPPN 440 Research Practicum	2
	PLSC 207 (F Alt Years) Introduction to Biotechnology	3		BIOL 314 (S) Ecology and Population Biology (STAT 251, MATH 160 or 170, BIOL 114 & 115/L)	3
	ENT 322 General and Applied Entomology	4		SOIL 205/206 The Soil Ecosystem (CHEM 111)	3
	ELECTIVE BIOL 426 (F Alt Years) or ENG	3		BIOL 312 (S) Molecular and Cellular Biology (BIOL 115/L)	3
	TOTAL CREDITS	16		ELECTIVE Humanities	3
				TOTAL CREDITS	17
YEAR 4 • FALL	ELECTIVE International	3	YEAR 4 • SPRING	BIOL 447 (F Alt Years) Virology (BIOL 312)	3
	BIOL 444 Genomics	3		ELECTIVE Biotechnology	3
	ENT 441 (F Alt Years) Insect Ecology (ENT 322)	3		ENT 438 (S) Pesticides in the Environment	3
	BIOL 300 (F) or 380 (F) Survey of Biochemistry or Biochemistry	3		ELECTIVE AGED 406 or 407 Recommended	3
	AVS 268 Companion Animal Diseases	2		ELECTIVE Entomology 411 or 476	3
	TOTAL CREDITS	14		TOTAL CREDITS	15

COURSE # Course Name (Prerequisites, Co-Requisites)

F = FALL, S = SPRING



GLOBAL DISEASE ECOLOGY

Advance your understanding of the diseases that impact plants, animals, and humans. You will expand your understanding of our interconnections with other organisms in diverse ecosystems from agricultural landscapes to global megacities to managed natural areas.

Career Options

- Soil and Plant Scientist
- Water Resource Specialist
- Biologist or Microbiologist
- Epidemiologist
- Environmental Scientist
- Community Health Worker
- Pathologist
- Veterinarian
- Medical & Clinical Laboratory Technician



Fast Facts

- This degree is the first of its kind in the Pacific Northwest.
- Learn how to get your research published and apply for research funding.
- Work with a faculty mentor to develop a curriculum that supports your research & career interests.
- Develop and conduct your own research project.
- Get involved with the Aldrich Entomology Club, Plant & Soil Science Club, Environmental Science Club, Pre-Med/PA Club or the Pre-Vet Club to network with peers and potential employers.