

Matrix Planned Biology Courses For 2025 - 2026 (Subject to Change)

Category	Autumn 2025	Winter 2026	Spring 2026
Foundation Courses	BIOL 350 (4) - Foundations in Physiology BIOL 354 (4) - Foundations in Evol & Systematics BIOL 355 (4) - Foundations in Molec Cell Biology BIOL 356L (4) - Foundations in Ecology	BIOL 350 (4) - Foundations in Physiology BIOL 354 (4) - Foundations in Evol & Systematics BIOL 355 (4) - Foundations in Molec Cell Biology BIOL 356L (4) - Foundations in Ecology	BIOL 350 (4) - Foundations in Physiology BIOL 355 (4) - Foundations in Molec Cell Biology BIOL 354 (4) - Foundations in Evolution BIOL 356L (4) - Foundations in Ecology
Natural History / Biodiversity Course *	BIOL 311L (5) - Biology of Fishes BIOL 439L (5) - Functional Morphology * BIOL 441L (5) - Trends in Land Plant Evolution BIOL 443L (5) - Evolution of Mammals & Ancestors	BIOL 434L (5) - Invertebrate Zoology BIOL 447L (5) - Greening the Earth * BIOL 450L (5) - Vertebrate Paleontology BIOL 451L (5) - Invertebrate Paleontology	BIOL 331 (3) - Landscape Plant Recognition BIOL 434L (5) - Invertebrate Zoology BIOL 446L (5) - Plant ID & Classification BIOL 452L (5) - Vertebrate Zoology *
Molecular Cell Developmental Biology Courses	BIOL 302L (4) - Lab Techniques in Cell& Molec Bio BIOL 401 (4) - Current Topics in MCD BIOL 416 (3) - Molecular Genetics of Plant Dev. BIOL 466 (3) - Pathobiology of Emerging Diseases	BIOL 302L (4) - Lab Techniques in Cell& Molec Bio BIOL 401 (4) - Current Topics in MCD BIOL 403 (4) - Knowledge Synthesis in Cell Biology BIOL 407 (4) - Molecular Biology of STEM Cells BIOL 458 (4) - Behavioral Genetics BIOL 464 (2) - Molecular Mechanisms of Cancer Seminar BIOL 485 (2) - Senior Seminars in MCD	BIOL 400L (4) - Experiments in Molecular Bio. BIOL 402L (4) - Functional Genomics BIOL 411 (4) - Developmental Biology BIOL 412 (4) - Developmental Lab BIOL 442 (3) - Genetics of Plant Innovations BIOL 457 (3) - Chemical Communication BIOL 485 (2) - Senior Seminars in MCD (2 sections)
Physiology Courses *	BIOL 413L (5) -Survey of Human Anatomy BIOL 417 (4) - Reproductive Physiology BIOL 439L (5) - Functional Morphology * BIOL 462 (3) - Advanced Animal Physiology BIOL 463L (3) - Advanced Animal Physiology Lab BIOL 467 (3) - Comparative Animal Physiology	BIOL 421L (5) - Ecol and Evo Phys of Animals BIOL/ESRM 424/478L (5) - Plant Eco-Physiology BIOL 425L (5) - Adv Plant Physiology and Development BIOL 427L (5) - Biomechanics BIOL 454 (3) - Molecular Mech. of Somatosensation BIOL 465 (3) - Comparative Endocrinology	BIOL 404 (3) - Animal Physiology - Cellular Aspects BIOL 413L (5) -Survey of Human Anatomy BIOL 418 (4) - Biological Clocks and Rhythms BIOL 426 (3) - Comparative Immunology BIOL 428L (5) - Sensory Neurophys & Ecology Lab BIOL 452L (5) - Vertebrate Zoology * BIOL 465 (3) - Comparative Endocrinology BIOL 488 (2) - Senior Seminars in Physio
Ecology, Evolution, Systematics, and Conservation Courses*	BIOL 315 (3) - Biol. Impacts of Climate Change	BIOL 406 (3) - Conservation of Large Vertebrates BIOL 447L (5) - Greening the Earth * BIOL 478 (3) - Topics in Sustainable Fisheries	BIOL 469 (3) - Evolution and Medicine BIOL 475 (3) - Paleo Field Methods BIOL 480 (4) - Field Biology BIOL 484 (2) - Sr Seminars in Evo BIOL 486 (2) - Sr Seminars in Ecology
	BIOL 385 (3) - Evolutionary Medicine BIOL/FISH 473 (3/2) - Limnology and Lab BIOL 481L (5) - Experimental Evolutionary Ecology		
Counts for all degrees		BIOL 359 (3) - Quantitative Biology BIOL 492 (3) - Teaching Biology Inclusively	BIOL 305 (3) - Video Storytelling BIOL 359 (3) - Quantitative Biology
Special Topics listserv for how classes will apply	BIOL 497 (2) -Introduction to Systems Biology BIOL 497 (2) -Wildlife Forensic Science	BIOL 497 (2) - Biology by the Numbers	BIOL 497 (3) -Data Driven Methods in Comp Neusci BIOL 497 (2) - Citizen Science

13-Oct-25

L indicate a lab class

* may count for only one area requirement in specific options - Natural history or adv electives

Selected Additional Courses For 2025 - 2026¹ (Subject to change)

13-Oct-25

Category	Autumn 2025	Winter 2026	Spring 2026
Genetics	FISH/BIOL 340 (5) - Genetics & Molecular Ecol GENOME 361 (3) - Fundamentals of Genetics GENOME 371 (5) - Intro Genetics	GENOME 361 (3) - Fundamentals of Genetics	GENOME 361 (3) - Fundamentals of Genetics
Math and Stats	BIOST 310 (4) - Biostats for Health Professionals Q SCI 291 (5) - Calculus for Biologists I Q SCI 482 (5) - Stat Infer in Appl Research	BIOST 310 (4) - Biostats for Health Professionals Q SCI 291 (5) - Calculus for Biologists Q SCI 292 (5) - Calculus for Biologists II Q SCI 482 (5) - Stat Infer in Appl Research	BIOST 310 (4) - Biostats for Health Professionals Q SCI 292 (5) - Calculus for Biologists II
Natural History / Biodiversity Course	ESRM 452L (3) - Field Ornithology FISH 450 (4) - Salmonid Beh & Life Hist		ESRM 435 (3) - Insect Ecology ENVIR 280 (5) - Natural History of the Puget Sound
General Biology Electives	BH 402 (5) - Ethical Theory FISH 552/553 (2/2) - Intro to R Program/Adv R Program MICROM 301/302L (3/2) - Intro to Microbio/Lab PSYCH 300 (5) - Animal Behavior	BH 444 (3) - Ethical Implications of Emerging Biotech BH 488 (3) - Global Bioethics PSYCH 300 (5) - Animal Behavior	BH 311 (3) -Ethical Issues in Modern Medicine BH 421 (5) -History of Eugenics GWSS/ PSYCH 357 (5) - Psychobiology of Women MICROM 301/302L (3/2) - Intro to Microbio/Lab
Molecular Cell Developmental Biology Courses	BIOC 405 (3) - Survey in Biochemistry BIOC 440 (4) - Biochemistry BIOC 446L (4) - Biochemistry Lab GENOME 372 (5) - Genomics and Proteomics IMMUNO 441 (4) - Intro to Immunology MICROM 402L (3) - Fund of Gen Micro Lab MICROM 410 (3) - Fund of Gen Micro	BIOC 405 (3) - Survey in Biochemistry BIOC 406 (3) - Survey in Biochemistry BIOC 441 (4) - Biochemistry GENOME 465 (4) - Adv Human Genetics GENOME 466 (4) - Cancer Genetics MICROM 411L (4) - Bacterial Genetics MICROM 431L (3) - Prok. Recomb DNA Tech MICROM 442 (3) - Medical Bacteriology MICROM 450 (3) - Molec. Biol of Viruses	BIOC 406 (3) - Survey in Biochemistry BIOC 442 (4) - Biochemistry BIOC 446L (4) - Biochemistry Lab GENOME 373 (5) - Genome Informatics GENOME 475 (3) - Debates in Genetics MICROM 402L (3) - Fund of Gen Micro Lab MICROM 412 (3) - Prokaryotic Diversity MICROM 445 (3) - Medical Virology MICROM 460 (3) - Med. Mycology & Parasitology
Physiology Courses	NURS 301 (4) - General Anatomy NUTR 405 (3) - Phys Activity in Health and Disease NUTR 406 (3) - Sports Nutrition P BIO 375 (4) - Human Phys in Health and Disease	NURS 301 (4) - General Anatomy P BIO 376 (4) - Human Phys in Health and Disease	NURS 301 (4) - General Anatomy
Ecology, Evolution, Systematics, and Conservation Courses	ESRM 250 (5) - Intro to GIS ESRM/ENVIR 362 (5) - Intro to Rest Ecol ESRM 430 (5) - Remote Sensing ESRM 441 (5) - Landscape Ecology ESRM 465 (3) - Econ of Conservation ESRM 470 (5) - Natural Res Policy & Planning FISH 406 (5) - Parasite Ecology FISH 423 (4) - Aquatic Invasion Ecology PSYCH 300 (5) - Animal Behavior	ESRM 250 (5) - Intro to GIS ESRM 400 (3) - Natural Resource Conflict Mgmt ESRM 432 (4) - Adv. Remote Sensing ESRM 450 (5) - Wildlife Ecol and Conserbation ESRM 458 (5) - Mgmt of Thrt, Endgd, Sens Sp	ESRM 250 (5) - Intro to GIS ESRM 459 (3) -Wildlife Cons. in NW Ecosystems FISH 330 (5) - Climate Change Imp. on Marine Systems FISH 444 (5) -Conservation Genetics GEOG 360 (5) - Principles of GIS Mapping
Plant Biology	ESRM 325 (3) - Environmental Appl. Of Plants ESRM 415 (5) - Terrestrial Invasion Ecology	ESRM 422B (2) - Plant Microbio Seminar	ESRM 411 (3) - Plant Propagation: Princ. & Practice ESRM 412 (3) - Native Plant Production

¹ **CAUTION** - Not all courses here have been approved for all specific degree options. It is the student's responsibility to determine if a course has been approved, if not then a petition must be submitted. Please refer to an advisor for further clarification.

Many Departments will restrict their classes to their majors during Period 1, nonmajors may have to wait to Registration Period 2- found in the notes of the class