

Ecology and Evolutionary Biology Track

Choose 12 credit hours from the following list of courses:

Courses	Prerequisites	Semesters offered
*BIO 380 (1-4) Special Topics in Biology (Intermediate Level)	Determined by Instructor.	TBD
BIO 300 (3) Entomology	One course in introductory biology.	Fall
BIO 337 (3) Mathematical Modeling in the Life Sciences	A grade of B or better in MA 114 (Calculus II) or MA 138 (Calculus II with Life Science Applications) or consent of department.	Spring
BIO 375 (3) Behavioral Ecology and Sociobiology	A year of introductory biology (BIO 148/152).	Fall
BIO 395 (1-3) Research in Biology (max 3 credit hours toward track)	BIO 148, BIO 152 and BIO 155 or equivalent. Completion of at least one of the Biology core courses (Cell Biology, Evolution, Genetics, Physiology, Ecology) is strongly recommended.	Fall/Summer/Spring
BIO 430G (4) Plant Physiology	BIO 148, BIO 152, BIO 155 or BIO 198 (or equivalent); CHE 230 and CHE 231 (or equivalent) or consent of Instructor.	Fall
BIO 445 (3) The Biology of Sex	Determined by Instructor.	Spring
BIO 461 (3) Population Genetics	ABT 360 (or equivalent) and one course in probability/statistics.	Spring
BIO 508 (3) Evolution	BIO 304 or ASC/AGR 360	
BIO 520 (3) Bioinformatics	BIO 315 or BIO 304 or BCH 304 or BCH 401 or instructor. BCH 501 or BCH 502 or BIO 510 or consent of instructor.	Fall
BIO 525 (3) Advanced Ecology	BIO 325 (Ecology) or equivalent.	
BIO 530 (3) Biogeography and Conservation	Two semesters of introductory biology or physical geography, or consent of the instructor.	Fall
BIO 555 (5) Vertebrate Zoology	BIO 148, BIO 152, BIO 155 or BIO 198, or consent of instructor.	
BIO 559 (4) Ornithology	BIO 148, BIO 152, BIO 155 or BIO 198, or consent of Instructor.	Sometimes Spring
BIO 568 (3) Insect Behavior	One year of biology	Every other Spring
BIO 325 (4) Ecology**	BIO 148 and BIO 152, or equivalent introductory biology sequence; and BIO 304 or equivalent genetics course; or consent of instructor.	Fall/Spring

***Subtitle must be approved by the Director of Undergraduate Studies**

****only for B.A. students who do not use the course to fulfill the 2nd Tier Core**

Courses from outside the Biology Department:

Courses	Prerequisites	Semesters offered
CHE 565 (3) Environmental Chemistry	Two semesters of general college chemistry are required. Courses in analytical and physical chemistry are recommended, but are not required.	Spring
EES 401G (3) Invertebrate Paleobiology and Evolution	EES 102/112	Sometimes Spring
FOR 340 (4) Forest Ecology	BIO 103 or BIO 150	Fall
PLS 450G (3) Biogeochemistry	CHE 105, 107, 111, 113	
PLS 502 (3) Ecology of Economic Plants	None listed.	Every other Fall
PGY 512 (3) Evolutionary Medicine	BIO 150-153 or equivalent introductory biology sequence, BIO 315 or equivalent, and an introductory physiology course (PGY 206, BIO 350, or PGY 412G).	Fall/Spring
FOR 370 (4) Wildlife Biology and Management	None listed.	Fall
FOR 435 (3) Conservation Biology	Introductory biology course or consent of instructor.	Fall
FOR 510 (4) Herpetology	All students enrolled in FOR 510 should have taken at least one college-level Biology course.	Spring
FOR 530 (3) Freshwater Ecology	Upper level course in biology, field ecology, wildlife management or consent of the instructor.	Fall

** Other courses can be accepted by the Director of Undergraduate Studies in Biology on a case by case basis.