

Advisor: Dr. Paul Spruell

Required Biology Core Courses: 28 credits

BIOL 171 Biology I	(5)
BIOL 172 Biology II	(5)
BIOL 173 Biology III	(5)
BIOL 270 Biological Investigation	(3)
BIOL 310 Fundamentals of Genetics	(5)
BIOL 490 Department Senior Capstone	(5)

Select one of the following courses: 5 credits

BIOL 301 Microbiology	(5)
BIOL 302 Botany	(5)
BIOL 303 Invertebrate Zoology	(5)
BIOL 304 Vertebrate Zoology	(5)

[Note: For admittance into a veterinary program, BIOL 301 is essential and 304 is recommended; one will count towards elective credit for Biology BS (see below)]

Select one of the following courses: 4-5 credits

BIOL 423 Evolution	(5)
BIOL 440 Ecology	(4)

Select one of the following courses: 5 credits

BIOL 436 Cell Biology - Recommended	(5)
BIOL438 Molecular Biology	(5)

Select one of the following courses (4–5 credits)

BIOL 334 Human Anatomy and Physiology III for Biology Majors	(5)
BIOL 351 Principles of Animal Physiology	(4)
BIOL 352 Principles of Plant Physiology	(4)
BIOL 353 Principles of Microbial Physiology	(4)

Required Supporting Courses: 20 credits

CHEM 171 General Chemistry	(4)
CHEM 171L General Chemistry Lab	(1)
CHEM 172 General Chemistry	(4)
CHEM 172L General Chemistry	(1)
CHEM 173 General Chemistry	(4)
CHEM 173L General Chemistry	(1)

MATH 161 Calculus I (5), **and/or**

MATH 380 Elementary Probability and Statistics
or BIOL 380 Data Analysis for Biologists (5)

NOTE: Some veterinary schools require statistics

ELECTIVE COURSES: 36-37 credits (21 must be Biology electives) of upper division (300- or 400-level) courses **with advisor's consent**. Courses recommended for fisheries biologist include:

BIOL 411 Field Botany	(5)
BIOL 405 Limnology (alternate years)	(5)
BIOL 441 Ecology lab	(2)
BIOL 442 Conservation Biology (alternate years)	(4)
BIOL 462 Ichthyology	(5)
BIOL 463 Fisheries Management (alternate years)	(4)
BIOL 481 Freshwater Invertebrate Zoology	(5)
BIOL 446 Riparian Ecology	(5)
GEOG 323 GIS for Environmental Science	(3)
PLAN 430 Environmental Planning	(5)
PLAN 431 Environmental Impact Statements	(3)

Biology ETS Field Exam required for graduation.

See University catalog for additional requirements.

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