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)
- BIOL 438 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 151 General Chemistry (5)
- CHEM 152 General Chemistry (5)
- CHEM 153 General Chemistry (5)
- 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)

See University catalog for additional requirements.

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2014-2015