

## **Being a Pre-vet Zoology Student**

Zoology is very compatible with being a pre-vet student. Below are some examples of how complementary the two are. The information used here is from the Center for Pre-Health Advising. These are general prerequisites, but we'd advise that you check with each school because requirements may vary. [Center for Pre-Health Advising](#)

### General Chemistry

Choose *one* of the following sequences:

- Chemistry 103-104
- Chemistry 109

**Either option would count towards a requirement for the zoology major.**

### General Biology

Choose *one* of the following sequences:

- Zoology 101-102 + Additional bio-science course
  - Options include: Genetics, Microbiology, Cell Biology, Immunology, Physiology, Anatomy
  - Note: you may need to do an additional bio-science course with lab
- Biology 151-152
- Biocore: Students must apply to enroll in Biocore. For more information, visit their [website](#).

**Either option would count towards a requirement for the zoology major.**

### Physics

Choose *one* of the following sequences:

- Physics 103-104 (without calculus)
- Physics 201-202 (calculus-based; recommended for Engineering majors)
- Physics 207-208 (calculus-based; recommended for Life Science majors)

**Either option would count towards a requirement for the zoology major.**

### Genetics

Choose *one* of the following courses:

- Genetics 160
- Genetics 466

**Genetics 466 is a zoology elective course for the major\***

### Microbiology

Many veterinary schools require a course in microbiology. Choose *one* of the following courses:

- Microbiology 101
- Microbiology 303

**Microbio 303 is an elective for the major\***

### Biochemistry

Choose *one* of the following sequences:

- Biochemistry 501
- Biochemistry 507-508

**Biochem 501 and 507 count as elective credits towards the zoology major\***

### Organic Chemistry

- Chem 343 Introductory Organic Chemistry
- Chem 345 Intermediate Organic Chemistry
- Chem 344 Introductory Organic Chemistry Lab

**This would count as an intermediate/advanced level credits for the degree**

### Mathematics

Most veterinary schools require math and/or statistics. We recommend that you take at least one math course and one course in statistics. For Statistics, we recommend Statistics 301, Statistics 371, or an introductory statistics course in your major department.

NOTE: Math 112 is a prerequisite for Chem 103 and Physics 103. In addition, Math 217 or 221 are prerequisites for Physics 201 and 207. The statistics course can be taken in your major department.

**Stats 301 and 371 are common courses that Zoology BS students take to complete their BS requirement. Zoology has several different options of College level Math courses that you can complete for the major.**

## Common Zoology Electives for Pre-vet students

If you took 10 credits in introductory biology, Microbio 303, Genetics 466, and Biochem 501. You have already completed 19 out of 30 needed Zoology elective credits. With only 11 credits needed left here are a few common course choices:

ZOOLOGY 300 — INVERTEBRATE BIOLOGY AND EVOLUTION 3 credits  
ZOOLOGY 301 — INVERTEBRATE BIOLOGY AND EVOLUTION LAB 2 credits  
ZOOLOGY 303 — AQUATIC INVERTEBRATE BIOLOGY 3 credits  
ZOOLOGY 335 — HUMAN/ANIMAL RELATIONSHIPS: BIOLOGICAL AND PHILOSOPHICAL ISSUES 3 credits  
ZOOLOGY/ENTOM/M M & I/PATH-BIO 350 — PARASITOLOGY 3 credits  
ZOOLOGY/ANTHRO/BOTANY 410 — EVOLUTIONARY BIOLOGY 3 credits  
ZOOLOGY 430 — COMPARATIVE ANATOMY OF VERTEBRATES 5 credits  
ZOOLOGY 470 — INTRODUCTION TO ANIMAL DEVELOPMENT 3 credits  
ZOOLOGY/ENVIR ST 510 — ECOLOGY OF FISHES 3 credits  
ZOOLOGY/ENVIR ST 511 — ECOLOGY OF FISHES LAB 2 credits  
ZOOLOGY/AN SCI/F&W ECOL 520 — ORNITHOLOGY 3 credits  
ZOOLOGY/AN SCI/F&W ECOL 521 — BIRDS OF SOUTHERN WISCONSIN 3 credits  
ZOOLOGY 555 — LABORATORY IN DEVELOPMENTAL BIOLOGY 3 credits  
ZOOLOGY 570 — CELL BIOLOGY 3 credits  
ZOOLOGY 603 — ENDOCRINOLOGY 3 credits  
ZOOLOGY 611 — COMPARATIVE AND EVOLUTIONARY PHYSIOLOGY 3 credits  
ZOOLOGY 612 — COMPARATIVE PHYSIOLOGY LABORATORY 2 credits  
ZOOLOGY/NTP 620 — NEUROETHOLOGY SEMINAR 2 credits  
ZOOLOGY/NEURODPT/PSYCH 674 — BEHAVIORAL NEUROENDOCRINOLOGY SEMINAR 2 credits

When planning to be a pre-vet student we still recommend you contact the Center or Pre-health advising for any specific Vet school questions. Please contact the Zoology advisor if you have any questions regarding the major or managing being a zoo major and pre-vet.

For more information on these courses check out course search enroll app. Also, many of the zoology courses have sample syllabi, while they may not be super recent it should give you a better idea of what the course may be like. <https://integrativebiology.wisc.edu/courses/>

Please, check prerequisites before attempting to enroll in any course.

\*Biochemistry and Microbiology are non-Zoology courses that can count towards the major. We allow a total of 6 credits to count towards the major.

\*Genetics 466 counts like a regular zoology course and does not effect the 6 credit max of non-zoo credits for the major.