

Veterinary Medical School Academic Preparation

*Required/recommended coursework varies by veterinary medical school. The following is not a definitive list but an overview of the majority of schools' requirements. Be sure to check the requirements for each veterinary medical school to which you intend to apply.

One year General Chemistry with Labs

CHEM 200 General Chemistry

Prerequisites: Knowledge of introductory chemistry as demonstrated by completion of CHEM 100 with a grade of C or better, or satisfaction of the Entry-Level Mathematics requirement and qualification on the Chemistry Department Placement Examination

CHEM 201 General Chemistry

Prerequisite: CHEM 200 or 202 with grade of C or better

One year of General Biology with Labs

Biol 203/203L Principles of Cell & Molecular Biology

Prerequisite: CHEM 200 and satisfaction of the English placement test requirement

Biol 204/204L Principles of Organismal Biology

Prerequisite: Satisfaction of the English placement test requirement. Recommended completion of BIOL 203/203L

One semester required for most schools (two semesters recommended to meet requirements for all veterinary schools) of Organic Chemistry with Labs

CHEM 232/232L Organic Chemistry

Prerequisite: CHEM 201 with grade of C or better and credit or concurrent enrollment in CHEM 232L

CHEM 432/432L Organic Chemistry

Prerequisite: CHEM 232 with a grade of C or better and credit or concurrent enrollment in CHEM 432L

One semester of Biochemistry

Chem 365 Biochem, Cell & Molecular Biology

Prerequisites: BIOL 203, 203L and CHEM 232, 232L

One year of Physics with Labs

Phys 180A/182A Fundamentals of Physics I/Lab

Prerequisite: Satisfaction of the Entry-level Mathematics requirement. Recommended concurrent registration in PHYS 182A

Phys 180B/182B Fundamentals of Physics II/Lab

Prerequisite: Satisfaction of the Entry-level Mathematics requirement, PHYS 180A. Recommended concurrent registration in PHYS 182B

One year of Math

Math 124 Calculus for Life Sciences

Prerequisite: Satisfaction of the Entry-level Mathematics requirement

Stats 250 Statistical Principles and Practices

Prerequisite: Satisfaction of the Entry-level Mathematics requirement

One Semester of Statistics

Biol 215 Biostatistics

Prerequisite: None

At least one semester of English

RWS 100 College Composition

Prerequisite: Satisfaction of the SDSU writing competency requirement

RWS 200 Intermediate Composition

Prerequisite: Satisfaction of the SDSU writing competency requirement, RWS 100

Humanities/Social Sciences - 6-12 units generally required

Comm 103 - Oral communication

Prerequisite: None

Psychology 101 - Intro Psychology (recommended)

Prerequisite: None

Phil 330 - Medical Ethics

Prerequisite: Completion of the General Education requirement in Foundations of Learning II.C., Humanities

Upper Division courses required/recommended

Biol 350 General Microbiology (required by most)

Prerequisites: Organismal Biology Course

Biol 352 Genetics and Evolution (required by most)

Prerequisites: Completion of Bio 203 and 203L, Bio 204 and 204L, and Bio 215

Biol 523 Herpetology

Prerequisite: Bio 203, 203L, 204, 204L. Recommended Biology 352.

Biol 524 Ornithology

Prerequisite: Bio 203, 203L, 204, 204L. Recommended: Completion of 3-6 upper division units in the major.

Biol 525 Mammalogy

Prerequisite: Bio 203, 203L, 204, 204L. Recommended: Completion of 3-6 upper division units in the major.

Biol 526 Terrestrial Arthropod Biology

Prerequisite: Bio 203, 203L, 204, 204L. Recommended: Biology 352 and completion of 3-6 upper division units in the major.

Biol 527 Animal Behavior

Prerequisite: Bio 203, 203L, 204, 204L, 215. Recommended: Biology 352 and completion of 3-6 upper division units in the major.

Biol 590 Human Physiology

Prerequisite: Biology 366, Chemistry 365, Physics 180B, 182B.

Biol 560 Animal Physiology (offered during summer sessions only)

Prerequisite: Biology 203, 203L, 204, 204L; Chemistry 365; Physics 180B, 182A, and 182B.

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