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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