



## Cornell DVM Admissions

### Prerequisite Courses

#### *Generic Course Descriptions*

#### **English Composition/Writing Intensive Courses**

Courses in humanities/social sciences, literature. If your college does not teach English composition, you may fulfill this requirement with any course in which 50% or more of your grade assesses your ability to write in proper style, as documented by a course description, syllabus, or an instructor's letter attached to the Prerequisite Substitution Form. Many colleges offer writing intensive courses in lieu of English composition. If your college transcript notes that your course is writing-intensive, that note is automatically acceptable and this form would not be required. Other automatically accepted course titles on official transcripts Writing, Technical Writing, Thesis, and Dissertation. AP, foreign language, or communications credits are not acceptable. A GRE verbal score of 650/163 will also satisfy the requirement. (Two semesters or three quarters; Minimum credits: 6 semester credits or 9 quarter credits)

#### **Biological Science with lab**

A full-year of general biology or zoology with laboratory will fulfill this requirement. If you have received Advanced Placement (AP) credit for general biology, you should enroll in two higher-level biology courses with laboratory. The Admissions Committee will note in judging the quality of your academic program that you have fulfilled the biology requirement at a level higher than the minimum requirement. (Two semesters or three quarters; Minimum credits: 6 semester credits or 9 quarter credits)

#### **General (Inorganic) Chemistry with lab**

The expected course is a full year of general chemistry course with laboratory (usually for science majors). AP credits, with a grade of 4 or higher, are accepted. If a higher level chemistry is taken due to AP credit, it will be noted on quality of academic program. (Two semesters or three quarters; Minimum credits: 6 semester credits or 9 quarter credits)

#### **Organic Chemistry**

One semester; Lab recommended. (One Semester; Minimum credits: 3 semester credits; 4.5 quarter credits).

#### **Advanced Life Science Course**

Suggested courses include microbiology (e.g. general or bacteriology); immunology (e.g. basic immunology); physiology (animal/comparative physiology, bacterial physiology, neurophysiology, cell physiology/histology, cell biology, endocrinology, developmental biology); and genetics (genetics, molecular genetics, developmental genetics, bacterial genetics, or genomics). 300-400 level course (junior or senior level). (One Semester Minimum credits: 3 semester credits; 4.5 quarter credits). **An exception will be Microbiology at a level of 200 or above.**

#### **Biochemistry, lab is preferred but not required**

This course (which can also be offered under the title of physiological chemistry or biological chemistry) should be taken at the upper-division level with the prerequisite of organic chemistry. Major topics usually covered in a course in biochemistry are: proteins (amino acids and protein analysis), enzymes (kinetics, mechanism of action, and coenzymes), nucleic acids (nucleosides, nucleotides, and polynucleotides), carbohydrates, lipids, and metabolism (glycolysis, citric acid cycle, oxidative phosphorylation, urea cycle, etc.), and biosynthesis. A laboratory is not required with this lecture course. Most colleges teach a complete course in biochemistry in one semester. If you attend a college where biochemistry is offered as a full-year course, you should take the complete course, and your extra credits will be noted for the bonus for quality of academic program. Full academic year *preferred*. (One Semester; Minimum credits: 4 semester credits; 6 quarter credits).

#### **Physics with lab**

This should be a full-year course in college physics with laboratory, not necessarily requiring calculus as a prerequisite. The Admissions Committee will accept Advanced Placement credits with a grade of 4 or higher in lieu of this requirement. (Two semesters or three quarters; Minimum credits: 6 semester credits or 9 quarter credits)