

COLLEGE OF VETERINARY MEDICINE

WASHINGTON STATE UNIVERSITY

Washington State University is located in southeastern Washington in the town of Pullman. The College of Veterinary Medicine (CVM) was founded in 1899 and is one of the five oldest veterinary medical schools in the country. A new \$38 million Veterinary Medical Teaching Hospital opened in September of 1996.

CURRICULUM: The curriculum consists of three years of lecture/laboratory courses, which incorporate case-based and traditional learning techniques. In the fourth (clinical) year, students may design an individual curriculum with one of several areas of emphasis including small animal, production animal, mixed animal, equine, non-traditional species, and research. For a full description of special programs and a tour of our facilities, please visit our web site at www.vetmed.wsu.edu.

ADMISSION PROCESS: Applicants may apply through VMCAS www.aavmc.org 1-877-862-2740 or a web-based application available at the CVM web site: www.vetmed.wsu.edu WSU CVM's application will be on line starting June 1st to October 1st, 2007. Completed applications are reviewed by an admissions committee. Interviews are a required part of the process and will be conducted in February-March. (WICHE applicants are not required to interview.) If you apply through VMCAS, WSU CVM does not require a supplemental application.

DEADLINE DATE: The VMCAS or the CVM application must be **received** no later than October 1st. Transcripts, GRE test scores, and letters of recommendation must also be received no later than October 1st. These items may be sent anytime after June 15th. Please remember if you are applying through VMCAS, you must send your letters of recommendation to VMCAS. Fall transcripts are due January 15th.

SIZE OF ENTERING CLASS: 95 (see Entrance Requirements).

CLASSES BEGIN: late August

SUPPLEMENTAL PROCESSING FEE: For students who choose to use the VMCAS application, a \$40 supplemental fee, which must be remitted to the WSU CVM Office of Student Services, will be assessed. This fee will be in addition to the VMCAS fee. You will be contacted by the CVM about fee payment after VMCAS has sent us your application. Those who opt to use the CVM application will be assessed a \$60 application/processing fee.

TUITION AND FEES: 2006 - 2007 = \$15,004 residents and contract state residents; \$37,052 non-resident (subject to change)

WSU College of Veterinary Medicine Entrance Requirements

The WSU CVM provides enrollment access to Washington and Idaho resident students and has a long history of serving Arizona, Hawaii, Montana, Nevada, New Mexico, North Dakota, Utah, and Wyoming through the Western Interstate Commission for Higher Education (WICHE) Compact. The program also accepts students from all over the nation and the world.

In general, first preference is given to qualified applicants who are residents of Washington or Idaho, as well as qualified applicants certified by WICHE contract states. Second preference is given to qualified applicants from non-service area states and non-certified applicants from WICHE states.

PRE-REQUISITE COURSES: *An equivalent of the following courses must be taken at other institutions.*

Biological Science: (8 semester hours w/laboratory) The biology of organisms; plants, animals ecology, and evolution, including cellular and molecular biology and genetics. **(WSU Biol 106 & 107)**

Inorganic Chemistry: (8 semester hours, w/laboratory) Stoichiometry, structure, gases, liquids, solids, solutions, thermodynamics, kinetics, equilibrium, volumetric and gravimetric analysis. Acid-base, ionic, molecular, solubility, oxidation/reduction equilibria, kinetics, electro-chemistry, systematic chemistry of the elements, coordination compounds. **(WSU Chem 105 & 106)**

Organic Chemistry: (4-5 semester hours w/laboratory) Structure and function in organic chemistry; reaction mechanisms, molecular orbital theory, alkanes, alkenes, alkynes, and radicals; biological applications. **(WSU Chem 345)**

Biochemistry: (3 semester hours) Proteins (amino acids, protein structure, enzyme kinetics and mechanisms); Metabolism (carbohydrate structure, glycolysis, TCA cycle, oxidative phosphorylation, glycogen metabolism, and metabolic integration); Molecular genetics (Central dogma, DNA structure, packaging, replication, repair, RNA transcription, translation, genetic code, protein targeting, gene expression, DNA technology) **(WSU MBioS 303).**

Mathematics: (3 semester hours) Elementary functions; graphs, properties, and applications of polynomial, rational, exponential, logarithmic, and trigonometric functions. **(WSU Math 107 or equivalent*)**

Physics: (4 semester or 2 qtr hours) Algebra/trigonometry-based physics; topics in mechanics, wave phenomena, temperature, and heat. **(WSU Phys 101)**

Genetics: (4 semester hours) Basic Mendelian genetics, meiosis, mitosis, chromosome rearrangement, DNA structure and replication, mutations, bacterial and phage genetics, gene regulation, transcription, translation, plasmids, transposons, cloning, population genetics, evolution. **(WSU MBioS 301)**

Statistics: (3 semester hours) Graphical methods, descriptive statistics, measures of central tendency, probability distributions, variables, estimates and sample sizes, hypothesis testing, inferences, experimental design, and randomization. **(WSU Stat 212, 412 or Psych 311)**

ADDRESS CORRESPONDENCE TO:

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Web site: www.vetmed.wsu.edu

Pre-professional course work in the physical and biological sciences, outlined as prerequisites, pertains to all students. Ensuring that all physical and biological science prerequisites have been completed **by no later than spring semester** of the application year *is solely the responsibility of the applicant.*

An additional 27-30 semester credits of General Education courses are required for those entering the program without a BS/BA degree. Please refer to the WSU website (www.vetmed.wsu.edu) for details.