

PRE-VETERINARY MEDICINE EMPHASIS

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The pre-veterinary medicine option is offered to those students interested in eventually applying for admission to a college of veterinary medicine. It is a set of requirements recommended for admission to veterinary school rather than a major. That is, students must fulfill additional requirements to receive a B.A./B.S.

Students are urged to select a major that will complement Pre-Vet course requirements. Suggested majors at CSU-Pueblo include chemistry and biology, (depending mainly on alternate career plans, should an applicant not be accepted into a professional veterinary medical program). Many students elect a Biology Major with a Chemistry Minor. Requirement information sheets for the B.S. in biology may be obtained from the biology department office.

CSU Pre-Veterinary Course Requirements

The CSU-Pueblo Pre-Vet Program is aligned with the Pre-Vet Program at CSU-Ft. Collins. Minimum requirements for admission to the professional program at CSU include GRE scores and the following courses:

Biological Sciences - 3 hours in Genetics, plus 1 lab in any biological science

Chemistry - 3 hours in biochemistry, plus 1 lab in any chemistry course

English - 3 hours

Statistics or **Biostatistics** - 3 hours

Physics - 4 hours with lab

Arts, Humanities, Behavioral and Social Sciences - 12 hours.

These credits may be applied toward a Bachelor of Science degree in many major areas.

Courses from which the student has been exempted or courses satisfied by examination cannot be included in the total.

See the CSU-Ft. Collins website for further information: <http://www.cvmbs.colostate.edu/cvmbs/pvmpro.htm>

PRE-VETERINARY MEDICINE CURRICULUM

REQUIRED COURSES (and Prerequisites) with semester hours

BIOL 191/L	College Biology I-Botany/ Lab	5 credits
BIOL 192/L	College Biology II-Zoology/ Lab	5 credits
BIOL 350	Mendelian and Population Genetics	2 credits

BIOL 351	Molecular Biology and Genetics	2 credits
BIOL 494 ■	Field Experience	1-4 credits
CHEM 121/L	General Chemistry I /Lab	5 credits
CHEM122/L	General Chemistry II /Lab	5 credits
CHEM301/301L	Organic Chemistry I /Lab	5 credits
CHEM302/302L	Organic Chemistry II /Lab	5 credits
CHEM 411	Biochemistry I	3 credits
MATH 156	Introduction to Statistics	3 credits
ENG 101/102	Composition I and II	6 credits
General Education	See Catalog	12 credits

■ It is highly recommended that students gain clinical veterinary experience. Students interested in other veterinary medicine programs are encouraged to check the Association of American Veterinary Medicine Colleges website: <http://www.aavmc.org>

Recommended (*) & Suggested Science Courses and semester hours

BIOL 112	Nutrition	3 credits
BIOL 212/L	Intro to Cellular Biology/Lab	3 credits
BIOL 220	Medical Terminology *	2 credits
BIOL 301/L	General Microbiology/Lab*	5 credits
BIOL 302/L	Medical Microbiology/Lab*	4 credits
BIOL 321/L	Comparative Vertebrate Anatomy/Lab*	5 credits
BIOL 341/L	Vertebrate Physiology/Lab*	4 credits
BIOL 352	Evolutionary Biology and Ecology	3 credits
BIOL 402	Immunology*	3 credits
BIOL 412/L	Cellular Biology/Lab*	4 credits
BIOL 421/L	Histology/Lab*	4 credits
BIOL 432/L	Developmental Biology/Lab*	4 credits
BIOL 479/L	Ichthyology/Lab	3 credits
BIOL 483/L	Mammology/Lab	3 credits
BIOL 484/L	Ornithology/Lab	3 credits
CHEM 412/L	Biochemistry II/Lab	5 credits
PHYS 221/L & 222/L	Physics I & II /Lab	10credits
PHYS 201/L & 202/L	Principles of Physics I & II/Lab	8 credits
PSYCH 222	Understanding Animal Behavior *	3 credits

The Veterinary Medical College Application Service (VMCAS) information and forms can be accessed at:
<http://www.aavmc.org/vmcas/vmcas.htm>

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