



PRE-VETERINARY MEDICINE EMPHASIS 2010-11 catalog

Biology Department Office, Life Sciences 210
2200 Bonforte Boulevard, Pueblo, CO 81001-4901

Phone: 719-549-2743, Fax: 719-549-2993
E-Mail: biology@colostate-pueblo.edu

Advisors:

Dr. Lee Anne Martinez
Office: Life Science 218
Phone: 549-2744
Fax: 549-2993
E-mail: leeanne.martinez@colostate-pueblo.edu

Dr. Jack Seliheimer
Office: Life Science 220
Phone: (719) 549-2106
Fax: 549-2993
E-mail: jack.seliheimer@colostate-pueblo.edu

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.cvmb.colostate.edu/cvmb/pvmpro.htm>

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

PRE-VETERINARY MEDICINE REQUIRED COURSES (and Prerequisites) with semester hours

BIOL 181/181L	College Biology I-Organismal/ Lab	4credits	
BIOL 182/182L	College Biology II-Cellular/ Lab	4 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 & 122/L	General Chemistry I & II with Labs	10 credits	
CHEM 301/L & 302/L	Organic Chemistry I & II with Labs	10 credits	
CHEM 411	Biochemistry I	3 credits	
PHYS 201/L or 202/L	Physics I or II/Lab	4 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 202/202L	Zoology/Lab*	4 credits	
BIOL 220	Medical Terminology *	2 credits	
BIOL 301/301L	General Microbiology/Lab*	5 credits	
BIOL 302/302L	Medical Microbiology/Lab*	4 credits	
BIOL 321/321L	Comparative Vertebrate Anatomy/Lab*	5 credits	
BIOL 414/414L	Vertebrate Physiology/Lab*	4 credits	
BIOL 352	Evolutionary Biology and Ecology	3 credits	
BIOL 402	Immunology*	3 credits	
BIOL 412/412L	Cellular Biology/Lab*	4 credits	
BIOL 421/421L	Histology/Lab*	4 credits	
BIOL 432/432L	Developmental Biology/Lab*	4 credits	
BIOL 479/479L	Ichthyology/Lab	3 credits	
BIOL 483/483L or 484/484L	Mammalogy or Ornithology/Lab	3 credits	
CHEM 412/412L	Biochemistry II/Lab	5 credits	
PHYS 221/L & 222/L	Physics I & II /Lab	10credits	
PSYCH 222	Understanding Animal Behavior *	3 credits	