



2009-10

**Pre-Veterinary
Medicine Education
at the
University of Oregon**

Prepared by:

**The Office of Academic Advising
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Pre-Veterinary Medicine Education

The University of Oregon offers course work that prepares students for admission to the Oregon State University (OSU) and for most United States schools of veterinary medicine. Academic requirements for the OSU program are listed below.

In addition, students may consult the Veterinary Medicine School Admission Requirements in the United States and Canada, Google “VMSAR” for ordering information.

The websites of the Association of American Veterinary Medical Colleges (<http://aavmc.org/>) and The College of Veterinary Medicine at Oregon State University (<http://www.oregonstate.edu/vetmed/>) have sections on preparation for veterinary school as well as other topics of interest.

In addition to academic requirements, scores from the Graduate Record Examination are required by most schools. Veterinary medical exposure and animal experience are a must. OSU recommends that applicants complete over 300 hours of experience working for several employers in vet-related fields. Students are urged to study all requirements early to allow time to complete them prior to admission.

Minimum Requirements for Admission

Admission is competitive. In 2006 the average GPA for students admitted to OSU was 3.60.

The following is a list of requirements for the program at OSU and a list of the UO courses that will fulfill these requirements.

Chemistry: one-year sequence of inorganic with laboratory (CH 221, 222, 223 and laboratories 227, 228, 229 or CH 224, 225, 226 and laboratories 237, 238, 239). Organic chemistry sufficient to meet requirements for upper division biochemistry courses (CH 331, 335, 336, or CH 331, 332 and BI 251). Organic laboratories are recommended (337, 338).

Mathematics: sufficient mathematics to meet the prerequisites for inorganic chemistry and physics (MATH 111, 112). Calculus (MATH 251 or 246) is required by OSU. Statistics is required by OSU and Math 243 will meet this requirement.

Physics: Three quarters of college level physics for Science majors (PHYS 201, 202, and 203). Note: Many veterinary schools require more physics and laboratories.

Zoology or Biology: one-year sequence (BI 211-214 or BI 251-253).

Genetics: one semester or one quarter which can be met by taking BI 320.

Animal Physiology: Four quarter credits which can be met by BI 356.

Upper Division Biology: a minimum of six additional quarter credits of upper division courses with at least one laboratory (physiology, cell biology, microbiology or additional biochemistry).

Biochemistry: CH 461, 462, and 463.

Animal nutrition is required. OSU Course ANS 311, offered online, satisfies this requirement. Please check the OSU veterinary medicine web site for a course description. (<http://oregonstate.edu/vetmed/>)

General Education and Electives: Will vary by veterinary program.

If students wish to enter vet school prior to earning a bachelor's degree and transfer professional credit to the University of Oregon for completion of the degree, they must: 1. Have completed 132 credits on the UO campus and transfer up to 48 credits from the professional school, finishing all general and major requirements. 2. Meet the UO residency requirement of 45 of the last 60 credits on the UO campus. Students must work closely with major advisors to guarantee that vet school work is acceptable in the major.

Non-Academic Requirements

Oregon State University provides a pamphlet which explains in detail the nature of the non-academic requirements and the screening system used to select students. Included in the pamphlet is information on the GRE, letters of recommendation, interviews, and veterinary medical exposure and animal experience. You may request the pamphlet from The Office of the Dean, College of Veterinary Medicine, 200 Magruder Hall, Oregon State University, Corvallis, Oregon 97331-4801, through e-mail at vetmed@oregonstate.edu or call them at (541) 737-2098. Information may also be obtained from their website:

www.oregonstate.edu/vetmed/

GRE: Arrangements can be made in the Testing Office, 2nd floor, Student Health Center to take the GRE, which is available via computer.

Applicants are urged to take the GRE no later than September 1 for the following year's admission. GRE scores must be received by the OSU College of Veterinary Medicine by the application deadline, October 2.

Pre-Veterinary Model Program

The model on the opposite page represents a four-year program. The model suggests only one way of completing the requirements and other programs may be possible, especially through the use of intensive summer courses.

Application for Admission

For most schools, students must complete a Veterinary Medical College Application Service (VMCAS) application form. All materials are sent to the VMCAS office in Washington, D.C.

VMCAS application packets are available online from the Association of American Veterinary Medical Colleges starting in June each year at www.aavmc.org. You may also write to them at VMCAS Request, AAVMC, 1101 Vermont Avenue NW, Suite 301, Washington DC 20005 or e-mail them at: vmcas@aavmc.org. Completed forms must be submitted to VMCAS no later than October 1 for OSU admittance the following year. Many schools require applications submitted by October 1.

WICHE Applications: Students with residency in Arizona, Hawaii, Montana, Nevada, New Mexico, North Dakota, Utah, or Wyoming must file applications to their home state for certification to be considered for the Western Interstate Commission for Higher Education (WICHE) exchange program in veterinary medicine. WICHE students must also complete the VMCAS application. Contact OSU to obtain information about who to contact in your home state to request WICHE certification. You can also contact WICHE directly at:

3035 Center Green Drive, Suite 200
Boulder, CO 80301-2204
OR
303-541-0200

The Pre-Veterinary Curriculum:

Fall Term	Winter Term	Spring Term
Freshman Year		
CH 221 ¹ + 227 lab	CH 222 + 228 lab	CH 223 + 229 lab
-or-	-or-	-or-
CH 224 ² + 237 lab	CH 225 + 238 lab	CH 226 + 239 lab
Consider:	<ul style="list-style-type: none"> • Begin Veterinarian-Related Experience • English Composition • Arts & Letters, Social Science or Multicultural classes • Major requirements (<i>if a major has been chosen</i>) 	
Sophomore Year		
BI 251 ⁴	BI 252	BI 253
CH 331 + 337 lab	CH 335 + 338 lab	CH 336
(math continuation)		MATH 243
Consider:	<ul style="list-style-type: none"> • English Composition • Arts & Letters, Social Science or Multicultural classes • Major requirements (<i>if a major has been chosen</i>) 	
Junior Year		
PHYS 201	PHYS 201	PHYS 201
CH 461 ⁵	CH 462	CH 463
BI 356		BI 320 ⁶
Consider:	<ul style="list-style-type: none"> • Arts & Letters, Social Science or Multicultural classes • Major requirements 	
Senior Year		
<p>Completion of all University and department requirements. Apply to veterinary school during the summer prior to senior year.</p>		

Comments:

1. General Chemistry (CH221) requires prior experience in high school chemistry. MATH 111 is a required pre- or co- requisite.
2. Honors General Chemistry (CH224-226 with 237-239 labs) requires a strong background in chemistry and math. Corequisite: calculus sequence.
3. There are 3 calculus sequences appropriate for science majors: MATH 246-247 Calculus I & II for Biological Sciences, MATH 251-253 Calculus I, II, & III, and MATH 261-263 Honors Calculus I, II, III. Consult with your major advisor for the appropriate sequence.
4. BI 251-253 requires prerequisite CH 223
5. Two quarters of upper division biochemistry are required by OSU. Three quarters (CH 461, 462, 463) are strongly recommended.
6. Upper division genetics courses are highly recommended. OSU requires one course in genetics. General Biology (BI 211-214) or Foundation Biology (BI 251-253) from the U of O may meet one of those requirements, but additional courses are recommended.

To Declare a pre-vet objective, email Arwen Spicer at arwens@uoregon.edu, please include your student ID number.

Notes:

**Office of Academic Advising
364 Oregon Hall, 541-346-3211
pre-vet advisors:**

**Arwen Spicer
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AND

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