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

**Pre-Vet Adviser:
Karen Cooper
364 Oregon Hall
E-mail: karenc@uoregon.edu**

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**Prepared by:
The Office of Academic Advising
364 Oregon Hall • 346-3211**

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*, available in Academic Advising, 364 Oregon Hall, for requirements to other schools.

The websites of the Association of American Veterinary Medical Colleges (<http://aavmc.org/>) and The College of Veterinary Medicine at OSU (<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 students have completed 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

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 recommended.

Physics: one semester or two quarters of college level physics for Science majors (PHYS 201, 202). 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 214 or BI 252. Additionally, we recommend a student take an upper division genetics course (BI 320).

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

Biochemistry: CH 461, 462 and 463

General Education and Electives: 40 quarter credits of General Education if student applies without a bachelor's degree.

Nutrition- one course in animal nutrition (not offered by the UO). Must be taken by end of second year of vet 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 advisers 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. Copies of this pamphlet are available from Academic Advising or you may request one from The Office of the Dean, College of Veterinary Medicine, 200 Magruder Hall, Oregon State University, Corvallis, Oregon 97331-4801, through e-mail at vetmedw@ccmail.orst.edu or call them at (541) 737-2098. Information may also be obtained from their website: <http://www.oregonstate.edu/vetmed/>.

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

Applicants are urged to take the GRE no later than September 1 for the following year's admission.

Pre-Veterinary Model Program

The model on the opposite page represents a four-year program. The model only suggests 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 July each year at www.aavmc.org. Also, you may write to them at VMCAS Request, AAVMC, 1101 Vermont Avenue NW, Suite 411, 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 and mark OSU in item 42. Contact OSU to obtain information about who to contact in your home State to request WICHE certification. You can also contact WICHE directly at P.O. Box 9752, Boulder, CO 80301-9752 or call 302/541-0214 or email info-sep@wiche.edu.

The Pre-Veterinary Curriculum:

Freshman Year:		
Fall Term	Winter Term	Spring Term
CH 221 ¹ + 227 lab -or- CH 224 ² + 237 lab MATH 111	CH 222 + 228 lab -or- CH 225 + 238 lab MATH 112	CH 223 + 229 lab -or- CH 226 + 239 lab MATH 246, 251 or 261 ³ (if needed for major)
Consider: <ul style="list-style-type: none"> • Begin Veterinarian-Related Experience • English Composition • Arts & Letters, Social Science or Multicultural classes • Major requirements (if a major has been chosen) 		
Sophomore Year:		
BI 251 ⁴ CH 331 + 337 lab (math continuation)	BI 252 CH 335 + 338 lab	BI 253 CH 336 + 339 lab* (*optional lab)
Consider: <ul style="list-style-type: none"> • English Composition • Arts & Letters, Social Science or Multicultural classes • Major requirements (if a major has been chosen) 		
Junior Year:		
PHYS 201 + 204 CH461 ⁵	PHYS 202 + 205 CH 462	PHYS 203 + 206 CH 463 BI 320 ⁶
Consider: <ul style="list-style-type: none"> • Arts & Letters, Social Science or Multicultural classes • Major requirements 		
Senior Year:		
Completion of all University and department requirements. Apply to veterinary school during the summer prior to senior year.		

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 adviser for the appropriate sequence.
4. BI 251-253 requires prerequisite or concurrent enrollment in organic chemistry, CH 331, 335, 336.
5. Students need to take CH 461-463 to meet the biochemistry requirements at OSU.
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.