

BIOLOGY MAJOR— Pre-Veterinary Medicine Option 2021-2022

Biology majors may obtain an option in Pre-Veterinary Medicine by satisfying the requirements below with a 3.0 GPA. Courses used to satisfy these requirements also satisfy the Organismal Biology, Physiology, Writing Intensive Course (WIC), Physics or Computer Science and Quantitative Applications, and Experiential Learning or Integrative Biology Elective requirements in the Biology major. Students completing the requirements listed below will meet the prerequisites for most AAVMC accredited veterinary schools in the U.S. and abroad. Other coursework taken abroad or at Hatfield may be approved by the IB lead advisor. Students should always consult the requirements of all schools to which they plan to apply, and many schools will not accept online prerequisite courses (particularly those with online labs) or prerequisite courses taken during study abroad. **Previous versions of this option are different and are tracked in MyDegrees. All courses and prerequisites are subject to change, and the listing of term is based on projected Corvallis campus offerings.**

Course Coursework			
Course	Pre(Co)requisites	Term	Credits
VMB 110 Pre-Veterinary Medicine		F	1
PHL 205 Ethics OR PHL/REL 444 Biomedical Ethics	Sophomore standing PHL/REL 444;	F, W, Sp	4
BI 319 Critical Thinking & Communication in the Life Sciences	BI 211, 212, 213; ST 351	F, W, Sp	3
PH 201, 202, 203 General Physics	MTH 112 (C-)	F, W, SP, SU	5,5,5
Z 350 Animal Behavior	BI 211, 212, 213 (C-)	W	3
Z 422 Comparative Vertebrate Anatomy	BI 211, 212, 213	F	5
Z 431 Vertebrate Physiology I	BI 211, 212, 213; CH 332	W	4
Z 432 Vertebrate Physiology II AND Z 442 Laboratory	Z 431 (C-)	SP	3+2
Experiential Learning or Science Elective Course (select both tracks or two courses from track II)			
Track I Experiential Learning Credits (complete any combination of three credits below)			
BI 309 Teaching Practicum or BI 409 Advanced Teaching Practicum	Departmental Approval	F,W,SP	1-3
BI 401 Research and Scholarship	Departmental Approval	F,W,SP,SU	1-3
Track II Science Elective (select two courses from the following, or one in combination with three credits from track I):			
ANS 311 Animal Nutrition	BI 211, 212	F	3
BHS/VMB 415 One Health in Practice	BI 211, 212, 213 (C-)	W	3
BI 485 Monster Biology	BI 311, BI 370 (maybe concurrent)	W	3
BI 495 Disease Ecology	BI 370	Alternate W	3
FW 427 Principles of Wildlife Diseases	BI 211, 212, 213 (C-)	Ecampus only?	4
MB 480 General Parasitology	BI 211, 212, 213 (C-)	W	3
TOX 411 Fundamentals of Toxicology	BB 450	F	3
Z 371 Vertebrate Biology (Z 372, laboratory recommended)	BI 211, 212, 213 (C-)	F	3 (+2 lab)
Z 425 Embryology and Development	BI 311, BB 314, Junior Standing	F	5
Z 438 Behavioral Neurobiology	BI 211, 212, 213 (C-); CH 233/263	SP	3
Z 473 Herpetology	BI 211, 212, 213 (C-)	SP (Ecampus)	4

Veterinary/Animal Experience

Animal care and clinical veterinary shadowing experiences are essential in preparing for veterinary school. Applicants must have experiences in both large and small animal settings. Samples of opportunities are outlined on the back of this document.

Shadowing is a good way to begin getting experience and to decide if veterinary medicine is for you. Contact offices and clinics either in Corvallis or at home to see what opportunities are available.

Volunteer Experiences are an exceptional way to obtain the skills and competencies necessary to be competitive for more formalized experiences in veterinary medicine. See <http://ib.oregonstate.edu/professional/internship-research/intern-volunteer-list> along with international opportunities at <http://ib.oregonstate.edu/professional/international>.

OSU Pre-Veterinary Medicine Resources and Information

Applying To Veterinary School

AAVMC Accredited DVM Programs (U.S. and International)

Visit <https://applytovetschool.org/> to learn more about prerequisites and admission requirements for accredited programs.

Applying to Veterinary Colleges

View guidelines at the Association of American Veterinary Medical Colleges (AAVMC).

<http://www.aavmc.org/>

Veterinary Medical College Application Service and Webinar

<http://www.aavmc.org/vmcas/vmcas.htm>

<https://www.aavmc.org/becoming-a-veterinarian/webinars-events/>

OSU DVM Program Application

Visit the OSU Pre-Veterinary website for application information
<https://vetmed.oregonstate.edu/students/future/dvm>

Admissions Test

The Graduate Record Exam is required for some AVMA accredited DVM programs (select schools may require the MCAT). On the AAVMC school directory you can see which schools require this exam.

<https://applytovetschool.org/>

www.ets.org/gre/

References

At least one DVM and one academic (professor) reference is required for the majority of AAVMC accredited DVM programs. Applicants should select references who can speak to specific skills, abilities, and leadership in a professional and/or academic setting.

Leadership

Leadership Experiences are valued by veterinary schools as a way to develop interpersonal skills and working as part of teams. There are a variety of ways to incorporate leadership experiences as an undergraduate, including club officer roles, coordinator for an organization (public, private or non-profit), peer mentoring or ambassador work. Students may also consider leadership courses or the leadership minor.

https://agsci.oregonstate.edu/leadership_minor

Campus Resources

Pre-Veterinary Medical Association (PVMA) and Listserv

Pre-Vet students are encouraged to participate in PVMA. Join the PVMA listserv to learn about opportunities for pre-vet students. Visit the PVMA website for information on membership and club-sponsored events.

<http://pvmaatosu.zohosites.com/>

Pre-Vet Advising

Make an advising appointment:

<http://ib.oregonstate.edu/advising/appointments>

OSU College of Veterinary Medicine Information

Tess Collins, Admissions Coordinator
tess.collins@oregonstate.edu, (541) 737-6985.

Biology Careers Page - Veterinary Medicine

<http://ib.oregonstate.edu/professional/careers>

Research Opportunities

Research, while not required, provides the opportunity to develop analytical and communication skills, as well as an understanding of research methods and the scientific process. Undergraduate research experiences can be a key element of a well-rounded application for veterinary school. See:

<http://ib.oregonstate.edu/professional/research-internships>

Study Abroad Coursework

Although specific professional courses should not be done abroad, study abroad is a great and very feasible opportunity for pre-veterinary medicine students. Work with your advisor to create a schedule that allows you to study abroad and apply courses to your degree.

International Opportunities

International programs in pre-veterinary medicine are available through OSU. These programs can be integrated in to a 4-year degree with the Pre-Veterinary Medicine Option and include diverse study abroad and internship choices. See <http://ib.oregonstate.edu/professional/international>