PRE-VETERINARY MEDICINE OPTION

This option is offered within the following major(s):


The Biology major Pre-Veterinary Medicine option is designed to meet OSU College of Veterinary Medicine prerequisites and other U.S. veterinary schools, but students should consult the requirements for specific schools before they apply because requirements can change. The Pre-Veterinary Medicine option couples the strong biological sciences background of the Biology major with core animal anatomy and physiology laboratories and animal-focused science electives. Dedicated professional advisors work with Pre-Veterinary Medicine option students to integrate animal handling and other essential professional experiences during their time at OSU.

Options in the Biology major require fifteen or fewer additional credits (one term) beyond the basic Biology major, and most students can complete the additional Pre-Veterinary Medicine option course work in four years. Completion of the Pre-Veterinary Medicine option requires a 3.0 cumulative GPA in major and option course work. Courses used to satisfy the Pre-Veterinary Medicine option requirements also satisfy the Physics/Computer Science and Quantitative Applications, Organismal Biology, Physiology, Writing Intensive Course and Upper-division Science Elective requirements in the Biology major. Several courses may also be used to satisfy areas of the baccalaureate core.

Science Elective

Select two of the following:

- BI 319/Z 319 *CRITICAL THINKING AND COMMUNICATION IN THE LIFE SCIENCES
- HSTS 437 *HISTORY OF ANIMALS IN SCIENCE

Writing Intensive Course

Select one of the following: 3-4

- BI 319/Z 319
- HSTS 437

Additional Upper-division Elective

Select one of the following tracks: 3

Track I Experiential Learning Credits

Complete any combination of 3 credits of the following:

- BI 309 TEACHING PRACTICUM (by approval)
- BI 401 RESEARCH AND SCHOLARSHIP (by approval)
- BI 409 ADVANCED TEACHING PRACTICUM (by approval)

Track II Science Elective Course

Select 3 plus credits 2

Total Hours 43-46

For further information, see MyDegrees or the Integrative Biology website at http://ib.oregonstate.edu.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>VMB 110</td>
<td>PREVETERINARY MEDICINE</td>
<td>1</td>
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<tr>
<td>PH 201</td>
<td>*GENERAL PHYSICS</td>
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<tr>
<td>PH 202</td>
<td>*GENERAL PHYSICS</td>
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<tr>
<td>PH 203</td>
<td>*GENERAL PHYSICS</td>
<td>5</td>
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<tr>
<td>PHL 205</td>
<td>*ETHICS or PHL 444/REL 444</td>
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<tr>
<td>Z 431</td>
<td>VERTEBRATE PHYSIOLOGY I</td>
<td>4</td>
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<tr>
<td>Z 432</td>
<td>VERTEBRATE PHYSIOLOGY II and VERTEBRATE PHYSIOLOGY LABORATORY</td>
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<tr>
<td>Z 422</td>
<td>COMPARATIVE/FUNCTIONAL VERTEBRATE ANATOMY</td>
<td>5</td>
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1 Z 372 VERTEBRATE BIOLOGY LABORATORY recommended.
2 One 3+ credit, 300–400 level course from the College of Science (BB, BHS, BI, BOT, CH, MB, MTH, PH, ST, and Z) may be used to meet this requirement with the exception of the courses listed below as excluded. Other science courses outside of COS and courses or internships taken internationally may be used by Integrative Biology Lead Advisor approval. Courses from other majors, minors or baccalaureate core requirements not used to meet requirements above may also be used.

**EXCLUDED COURSES:** 401–410 credits (except as outlined above or by approval), BB 350 ELEMENTARY BIOCHEMISTRY, BB 490 BIOCHEMISTRY 1: STRUCTURE AND FUNCTION—BB 492 BIOCHEMISTRY 3: GENETIC BIOCHEMISTRY, BI 331 ADVANCED HUMAN ANATOMY AND PHYSIOLOGY—BI 333 ADVANCED HUMAN ANATOMY AND PHYSIOLOGY, BI 341 ADVANCED HUMAN ANATOMY AND PHYSIOLOGY LABORATORY—BI 343 ADVANCED HUMAN ANATOMY AND PHYSIOLOGY LABORATORY, CH 334 ORGANIC CHEMISTRY, CH 335 ORGANIC CHEMISTRY, CH 336 ORGANIC CHEMISTRY, ST 314 INTRODUCTION TO STATISTICS FOR ENGINEERS, Z 361 INVERTEBRATE BIOLOGY/Z 362 INVERTEBRATE BIOLOGY LABORATORY, Z 461 MARINE AND ESTUARINE INVERTEBRATE ZOOLOGY and any 399 or 499 courses not specifically approved.

* Baccalaureate Core Course (BCC)
^ Writing Intensive Course (WIC)

Option Code: S84