**PRE-DENTISTRY/BIOLOGY OPTION**

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


The Pre-Dentistry/Biology option is designed to meet the requirements for most dental schools in the U.S., but students should consult the requirements for specific schools before they apply because requirements can change. The option couples the comprehensive biological sciences background of the Biology major with human physiology laboratory experiences and important social science requirements. Dedicated health profession advisors work with Pre-Dentistry/Biology option students to integrate 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-Dentistry/Biology option course work in four years. Students may not complete any combination of the Pre-Medical, Pre-Dental option or Physiology and Behavior options. Completion of the Pre-Dental option requires a 3.0 cumulative GPA in major and option course work. Courses used to satisfy the Pre-Dentistry/Biology option requirements also satisfy the Organismal Biology, Physiology, Writing Intensive Course and Upper-division Science Electives requirements in the Biology major. Several courses may also be used to satisfy areas of the baccalaureate core.

Students may pursue either the Pre-Dentistry, Pre-Veterinary Medicine, Pre-Medicine or Physiology and Behavior options within the Biology major —no combinations of these options are permitted.

Students interested in private practice should also consider taking BA 215 FUNDAMENTALS OF ACCOUNTING or BA 260 INTRODUCTION TO ENTREPRENEURSHIP.

It is recommended that Pre-Dentistry/Biology option students take COMM 218 *INTERPERSONAL COMMUNICATION to complete the Biology major baccalaureate core communications requirement.

The option sections and courses within them are arranged in the order they are generally completed.

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

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>BHS 107</td>
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**Writing Intensive Course (WIC)**

Select one of the following: 3-4

- BB 317  *SCIENTIFIC THEORY AND PRACTICE
- or BI 317  *SCIENTIFIC THEORY AND PRACTICE
- BI 319  *CRITICAL THINKING AND COMMUNICATION IN THE LIFE SCIENCES
- or Z 319  *CRITICAL THINKING AND COMMUNICATIONS IN THE LIFE SCIENCES
- HSTS 417  **HISTORY OF MEDICINE

**Physiology Elective**

Select one of the following: 3-5

- BI 451  FUNCTIONAL ANATOMY OF THE HUMAN MUSCULAR SYSTEM (By application only - limited summer enrollment)
- PSY 432  PHYSIOLOGICAL PSYCHOLOGY
- Z 425  EMBRYOLOGY AND DEVELOPMENT
- Z 438  BEHAVIORAL NEUROBIOLOGY

**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 one course

| Total Hours | 35-38 |
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 Biology chief 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: 713