

# B.S. in Biological Science: Human Biology Emphasis Pre-Dentistry Advising Track



## Warner Pacific University 4-Year Degree and Advising Plan

This sample curriculum is designed to show you how a program may be constructed to complete the major in 4 years. Various factors can influence your personal degree plan, including transfer coursework. You should work with your academic advisor to design a personalized program of studies. This plan includes the courses required to apply and be accepted for most Doctor of Dentistry Medicine programs for students who are in the pre-professional track for pre-dentistry. This program includes multiple courses that are offered every 2 years on a rotating basis. Course offerings will vary depending on the date of your entry into the program.

### Plan for Entry in an Odd Year (Fall 2023, Fall 2025, etc.)

| FIRST YEAR- Fall Semester                   | 14 Credits | FIRST YEAR- Spring Semester                          | 15 Credits |
|---|------------|--|------------|
| + ~ BIO 211 General Biology I (with lab)    | 4*         | + BIO 212 General Biology II (with lab)              | 4*         |
| ~ URB 160 FLYC Topics Course                | 3          | ^ ~ MA 115 Precalculus                               | 4*         |
| ^ ~ EN 111 Composition & Rsrch I (with lab) | 4          | ~ EN 112 Composition & Rsrch II (with lab)           | 4          |
| ~ Appreciation of Diversity (SOC, SRM, HE)  | 3          | ~ Critical Thinking & Strategic Action (Comm course) | 3          |

| SECOND YEAR- Fall Semester                        | 15 Credits | SECOND YEAR- Spring Semester                     | 15 Credits |
|---|------------|--|------------|
| + CHEM 211 General Chemistry I (with lab)         | 4*         | + CHEM 212 General Chemistry II (with lab)       | 4*         |
| + BIO 221 Human Anatomy & Physiology I (with lab) | 4*         | BIO 222 Human Anatomy & Physiology II (with lab) | 4*         |
| + BIO 245 Evolution                               | 3          | + ~ MA 242 Introduction to Statistics            | 3          |
| ~ BI 151 Bible as Sacred Story                    | 3          | ~ Health Course + PE Course                      | 2 + 1      |
| Elective  | 1          | Elective   | 1          |

| THIRD YEAR- Fall Semester                 | 16 Credits | THIRD YEAR- Spring Semester              | 15 Credits |
|---|------------|--|------------|
| + CHEM 301 Organic Chemistry I (with lab) | 4*         | CHEM 302 Organic Chemistry II (with lab) | 4*         |
| + BIO 250 Genetics (with lab)             | 4          | + BIO 370 Microbiology (with lab)        | 4          |
| + BIO 420 Mammalian Physiology            | 4          | ~ ILR 300 Adv Info Literacy & Research   | 3          |
| PHY 221 General Physics I (with lab)      | 4*         | PHY 222 General Physics II (with lab)    | 4*         |

| FOURTH YEAR- Fall Semester                      | 15 Credits | FOURTH YEAR- Spring Semester              | 15 Credits |
|---|------------|---|------------|
| + BIO 490 Senior Seminar                        | 1          | + CHEM 412 Biochemistry (with lab)        | 4*         |
| ~ Ethics (HUM, PHIL, SRM)                       | 3          | + BIO 380 Invertebrate Zoology (with lab) | 4          |
| ~ Historical & Cultural Knowledge & Practice    | 2          | ~ HUM 310 Exploring the Human Condition   | 3          |
| ~ Exploration of Spiritual Journey (REL course) | 3          | 300+ Elective Course                      | 4          |
| 300+ Elective Course                            | 6          |   |            |

Key: ~ General Education Core Requirement  
+ Major Requirement

^ Major Prerequisite Requirement  
\* Pre-Professional Program Requirement

### WPU Baccalaureate Degree Requirements

In order to earn a baccalaureate degree at WPU, you need to complete the following:

- All major and GE core requirements with grades of at least C- in each course
- A total of 120 semester credits, including at least 40 upper-division credits (300-level and 400-level courses),
- A cumulative GPA of at least 2.0.

Please refer to the catalog for specific options in each GE Core area and for additional information regarding degree requirements.

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### Plan for Entry in an Even Year (Fall 2024, Fall 2026, etc.)

| FIRST YEAR- Fall Semester                   | 14 Credits | FIRST YEAR- Spring Semester                | 15 Credits |
|---|------------|--|------------|
| + ~ BIO 211 General Biology I (with lab)    | 4*         | + BIO 212 General Biology II (with lab)    | 4*         |
| ~ URB 160 FLYC Topics Course                | 3          | ^ ~ MA 115 Precalculus                     | 4*         |
| ^ ~ EN 111 Composition & Rsrch I (with lab) | 4          | ~ EN 112 Composition & Rsrch II (with lab) | 4          |
| ~ Health Course + PE Course                 | 2 + 1      | ~ BI 151 Bible as Sacred Story             | 3          |

| SECOND YEAR- Fall Semester                        | 15 Credits | SECOND YEAR- Spring Semester                         | 15 Credits |
|---|------------|--|------------|
| + CHEM 211 General Chemistry I (with lab)         | 4*         | + CHEM 212 General Chemistry II (with lab)           | 4*         |
| + BIO 221 Human Anatomy & Physiology I (with lab) | 4*         | BIO 222 Human Anatomy & Physiology II (with lab)     | 4*         |
| + BIO 250 Genetics (with lab)                     | 4          | ~ Critical Thinking & Strategic Action (Comm course) | 3          |
| ~ Ethics (HUM, PHIL, SRM)                         | 3          | ~ Exploration of Spiritual Journey (REL course)      | 3          |
|   |            | Elective   | 1          |

| THIRD YEAR- Fall Semester                    | 16 Credits | THIRD YEAR- Spring Semester               | 15 Credits |
|--|------------|---|------------|
| + CHEM 301 Organic Chemistry I (with lab)    | 4*         | CHEM 302 Organic Chemistry II (with lab)  | 4*         |
| + BIO 245 Evolution                          | 3          | + CHEM 412 Biochemistry (with lab)        | 4*         |
| ~ ILR 300 Adv Info Literacy & Research       | 3          | + BIO 380 Invertebrate Zoology (with lab) | 4          |
| ~ Historical & Cultural Knowledge & Practice | 3          | + ~ MA 242 Introduction to Statistics     | 3          |
| 300+ Elective Course                         | 3          |   |            |

| FOURTH YEAR- Fall Semester                 | 15 Credits | FOURTH YEAR- Spring Semester            | 15 Credits |
|--|------------|---|------------|
| + BIO 490 Senior Seminar                   | 1          | + BIO 370 Microbiology (with lab)       | 4          |
| PHY 221 General Physics I (with lab)       | 4*         | PHY 222 General Physics II (with lab)   | 4*         |
| + BIO 420 Mammalian Physiology             | 4          | ~ HUM 310 Exploring the Human Condition | 3          |
| ~ Appreciation of Diversity (SOC, SRM, HE) | 3          | 300+ Elective Course                    | 4          |
| 300+ Elective Course                       | 3          |   |            |

Key: ~ General Education Core Requirement  
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\* Pre-Professional Program Requirement

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In order to earn a baccalaureate degree at WPU, you need to complete the following:

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## **Specific General Education Recommendations for all Biological Sciences Majors**

Students must complete all general education requirements. In four of the requirement areas, the Biological Science faculty specifically recommend certain course choices to augment the student's Biological Science curriculum. This list represents those recommendations.

### **Health Course- Recommend one of the following**

- HE 150 Personal Health and Fitness (2 credits) (fall/spring)
- HE 210 Stress Management (2 credits) (fall even)

### **Ethics Course- Recommend one of the following**

- HUM 200 Ethics in Practice (3 credits) (fall)
- PHIL 300 Ethics (3 credits) (as needed)
- SRM 250 Sports Ethics (3 credits) (fall)

### **Appreciation of Diversity- Recommend one of the following**

- HE 340 Current Health Issues (3 credits) (fall odd)
- SOC 340 Race & Ethnic Relations (3 credits) (fall/spring)
- SRM 260 Sociology in Sport (3 credits) (fall odd)

### **Critical Thinking and Strategic Action- Recommend one of the following**

- COMM 200 Interpersonal Communication (2 credits) (fall/spring)
- COMM 220 Public Speaking (3 credits) (spring, yearly)