

# B.S. in Biological Science: Human Biology Emphasis Pre-Physician Assistant 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 Physician Assistant masters programs for students who are in the pre-professional track for pre-physician assistant. 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 245 Evolution	3	+ ~ MA 242 Introduction to Statistics	3*
+ BIO 221 Human Anatomy & Physiology I (with lab)	4*	BIO 222 Human Anatomy & Physiology II (with lab)	4*
~ Health Course + PE Course	2 + 1	~ BI 151 Bible as Sacred Story	3
Elective	1	Elective	1

THIRD YEAR- Fall Semester	15 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
~ Historical & Cultural Knowledge & Practice	3	PSY 140 General Psychology	3*
		Elective	1

FOURTH YEAR- Fall Semester	16 Credits	FOURTH YEAR- Spring Semester	15 Credits
+ BIO 490 Senior Seminar	1	+ CHEM 412 Biochemistry (with lab)	4*
~ HUM 310 Exploring the Human Condition	3	+ BIO 380 Invertebrate Zoology (with lab)	4
~ Ethics (HUM, PHIL, SRM)	3	~ Exploration of Spiritual Journey (REL course)	3
Elective	9	Elective	4

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
+ ~ MA 242 Introduction to Statistics	3*	PSY 140 General Psychology	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
~ Appreciation of Diversity (SOC, SRM, HE)	3	~ Ethics (HUM, PHIL, SRM)	3
Elective	3		

FOURTH YEAR- Fall Semester	15 Credits	FOURTH YEAR- Spring Semester	15 Credits
+ BIO 490 Senior Seminar	1	+ BIO 370 Microbiology (with lab)	4*
+ BIO 420 Mammalian Physiology	4	~ Exploration of Spiritual Journey (REL course)	3
~ HUM 310 Exploring the Human Condition	3	~ Historical & Cultural Knowledge & Practice	3
Electives	7	Electives	5

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

## **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)