

### Biology/DPT

12 credits in the major and 9 credits in the minor must be completed at Alvernia University

When pursuing a double major, you must have 12 distinct credits between the two majors.

Semester 1	Credits	Semester 2	Credits
<b>Diversity graduation requirement cannot be fulfilled through major courses; students should fulfill this with a Gen Ed class.</b>			
SRH 101: Search Sem-Enduring Questions <b>or</b> HNR 160: Honor Search-Enduring Questions	3	BIO 104: Principles of Biology II w/lab	4
BIO 103: Principles of Biology w/lab	4	CHE 105: General Chemistry II	3
CHE 104: General Chemistry I	3	CHE 111: General Chemistry Lab II	1
CHE 110: General Chemistry Lab I	1	MAT 230: Calculus I	4
CHE 107: Laboratory Safety	1	THE 105 or PHI 105	<u>3</u>
MAT 131 or Gen Ed	<u>3</u>		
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15</b>
Semester 3	Credits	Semester 4	Credits
<b>Students should expect to take additional coursework (3-6 credits of Gen Ed) over the summer or at Winterim in order to complete this Program.</b> A BS in BIOLOGY is awarded at the end of the 4 <sup>th</sup> year. The remainder of the DPT curriculum will result in the earning of the DPT			
CHE 201: Organic Chemistry I	3	BIO 108/118: Human A&P II and Lab BIO 221: General Microbiology	4
CHE 210: Organic Chemistry Lab I	1	w/lab CHE 202: Organic Chemistry II	4
BIO 107/117: Human A&P I and Lab	4	CHE 211: Organic Chemistry Lab II	3
THE 105 or PHI 105	3	Gen Ed	1
Gen Ed	3	Gen Ed	3
Gen Ed	<u>3</u>	Gen Ed	<u>3</u>
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>18</b>
Semester 5	Credits	Semester 6	Credits
<b>By January 15 of Junior Year: Must meet DPT Progression Requirements: GPA: overall 3.5; Science 3.5</b>			
BIO 303: Genetics	3	BIO 304: Cell Biology	3
BIO 309: Molecular Genetics Lab	1	BIO 311: Cell Physiology Lab	1
PHY 200: Physics I w/lab	4	PHY 201: Physics II w/lab	4
MAT 209: Probability and Statistics	3	PSY 101: Introductory Psychology	3
MAT 220: Math/Stats Computer Lab	1	Gen Ed	3
Gen Ed	3	Gen Ed	<u>3</u>
Gen Ed	<u>3</u>		
<b>TOTAL</b>	<b>18</b>	<b>TOTAL</b>	<b>17</b>
Semester 7	Credits	Semester 8	Credits
DPT 500 Gross Anatomy & Histology	5	DPT 502 Kinesiology	4
DPT 503 Applied Physiology for PT Practice	5	DPT 516 Musculoskeletal Practice I	3
DPT 504 Practice Management I	3	DPT 520 Neuromuscular PT Practice	3
DPT 508 PT Procedures I	4	DPT 509 Found Clin Exam & Eval	4
DPT 512 Critical Inquiry I	1	DPT 528 Cardiopulmonary PT Practice I	3
DPT 522 Foundations of Clinical Practice	<u>1</u>	DPT 523 Clinical Practice I	<u>1</u>
<b>TOTAL</b>	<b>19</b>	<b>TOTAL</b>	<b>18</b>

**Academic Policy on Eligibility for Participation of May Commencement Ceremony**

*The academic policy, which the Registrar follows, is: A student who has 6 or less credits remaining to complete the degree may participate in the May Commencement Ceremony. The Graduation Application is available online in myAlvernia on the 'Academics' tab. Seniors must submit the Graduation Application to the Registrar's Office as follows: October 1 for May Graduation; December 1 for August graduation; and March 1 for December graduation.*

*If you have any questions, please call the Registrar's Office (610.796.8201)*

## Curriculum Sheets, EAB Navigate, and AUAdvise

The information on this page and the Curriculum Sheet is provided in AUAdvise - EAB Navigate as a static tool for discussion purposes when meeting with students to schedule courses. [Degree Audit uAchieve](#) remains the official source for each student's curriculum audit. Degree Audit uAchieve must be used together with the Curriculum Sheet to determine whether the information noted during scheduling meetings on the curriculum sheet remains accurate.

### General Notes

- A minimum of 123 credits are required for graduation.
- Where appropriate, courses required for the major can be used to satisfy General Education requirements. However, the credits earned for these courses are applied to either Gen Ed requirements or the major, not both.
- Paths of Knowledge coursework may count towards major or minor requirements but may not fulfill a second Mid-Level Liberal Arts Exploration requirement.
- Students are expected to follow the catalog requirements for General Education, the major, and additional requirements.
- A minor or second major within the areas listed under Paths of Knowledge automatically fulfills that area of the Gen Ed requirements.
- Students must complete 45 of their last 60 credits at Alvernia University
- Students must complete community service hours as part of the General Education Program

### Major Notes

The DPT program is offered in a 4+3 year and 3+3 year curricular format. Prospective students with an earned bachelor's degree from Alvernia or another four-year accredited institution are welcome to apply to the 4+3 year format. The 3+3 year format enables Alvernia students who are admitted into 1 of 4 majors to follow a curricular plan in that major with the intention to be admitted to the DPT program in their senior year, upon completion of all requirements. Interested students should contact Dr. Christopher Wise, Physical Therapy Department Chair at [christopher.wise@alvernia.edu](mailto:christopher.wise@alvernia.edu) All prerequisite courses must be completed within 10 years of application to the DPT Program.\*\*Admission Requirements subject to change\*\*

**The following Prerequisites courses must be completed with a final grade of “C” or better:**

- Human Anatomy and Physiology I and II - 4 credits each with lab • Biology – 3-4 credits
- Chemistry I and II - 4 credits each with lab
- Physics I and II - 4 credits each with lab
- Social Sciences – 6-9 credits (psychology, sociology/anthropology, humanities)
- Statistics - 3 credits
- English Composition/Writing - 3 credits

**In order to enter the DPT program within the Alvernia accelerated (3+3) format, students must complete the following pre-admission criteria:**

- Achieve a cumulative GPA of 3.25, Science GPA of 3.0, Prerequisites GPA of 3.0
- Achieve a minimum grade of “C” in all Prerequisites courses
- All DPT prerequisite courses (listed below) must be taken at a four- year accredited institution. If taken at another institution, only courses in which the student achieved a grade of "B", or higher, will be transferred.
- All 3+3 students must follow the guidelines for applying to the program and submit all required documents through the Physical Therapy Centralized Application Service (PTCAS), which can be accessed through the DPT Program homepage. All decisions are contingent upon the applicant’s maintaining admission criteria throughout the final semester.
- A minimum of 100 hours of observation, which shall include experiences in a broad range of settings that include both outpatient and inpatient physical therapy settings. Recommended settings include skilled nursing facilities, assisted living facilities, pediatric intervention settings, home health settings, acute or sub-acute inpatient rehabilitation settings, acute hospital settings, sports and orthopedic settings, and/or private practices.
- Three letters of reference that shall include one each from a: licensed PT, professor, and other non-family member. Applicants should ensure that their chosen references have knowledge of and can speak to the qualities/attributes required of a doctorally prepared health professional and to their readiness to handle the academic rigor of doctoral study.

- Advanced Placement (AP) courses taken in high school, if accepted by undergraduate admissions upon entrance into the university, will be accepted as fulfilling the Prerequisites for entrance into the DPT Program. These courses must appear on the undergraduate transcript.
- Non-science Prerequisites (statistics, social science, psychology) may be completed online. For science Prerequisites (biology, chemistry, physics, anatomy, and physiology), the lecture portion of each course may be taken online, but the laboratory portion of each course must be taken in a traditional laboratory setting.

# Degree/Major: BS BIOLOGY - DPT

Name: \_\_\_\_\_ Id: \_\_\_\_\_

2<sup>nd</sup> Major: \_\_\_\_\_ 3<sup>rd</sup> Major: \_\_\_\_\_ Minor: \_\_\_\_\_ 2<sup>nd</sup> Minor: \_\_\_\_\_

Matriculation Year 2024-2025 - Term: \_\_\_\_\_

## GENERAL EDUCATION

### GradeNotes:

### Enduring Questions (12 cr)

- SEARCH Sem. Enduring Questions (3) \_\_\_\_\_
- THE 105 Foundations of Theology (3) \_\_\_\_\_
- PHI 105 Introduction to Philosophy (3) \_\_\_\_\_
- COM 101 Composition & Research (3) \_\_\_\_\_  
(C grade or better)

### Exploring the Natural World (6-8)

- MAT \_\_\_\_\_ Met with MAT 209 (x) \_\_\_\_\_  
(not MAT 100)
- \_\_\_\_\_ Met with BIO 107/117 (x) \_\_\_\_\_  
(Science with Lab)

### Culture & Language (9 cr)

- COM 103 or 213 (3) \_\_\_\_\_  
(not COM 100 or 101)

World Language – 2 courses in sequence

- \_\_\_\_\_ (3) \_\_\_\_\_
- \_\_\_\_\_ (3) \_\_\_\_\_

### Individuals & Communities (6 cr)

- HIS or POS \_\_\_\_\_ (3) \_\_\_\_\_
- Met with PSY 101 \_\_\_\_\_ (3) \_\_\_\_\_  
(PSY, HIS, POS, SOC, SSC, or ECON)

### Creative Expressions (6 cr)

- LIT \_\_\_\_\_ (3) \_\_\_\_\_
- \_\_\_\_\_ (3) \_\_\_\_\_  
(Art, Music, or Theatre)

### Ethical Leaders & Followers (6 cr)

- THE/PHI \_\_\_\_\_ (3) \_\_\_\_\_  
(200-400 level)
- THE/PHI \_\_\_\_\_ (3) \_\_\_\_\_  
(ethics/morality @ 200 level)

### Paths of Knowledge (9 cr @ 200-400 level in ONE path)

- Met in Related Requirements (x) \_\_\_\_\_
- Met in Related Requirements (x) \_\_\_\_\_
- Met in Related Requirements (x) \_\_\_\_\_

Human Diversity: \_\_\_\_\_

Senior Capstone: \_\_\_\_\_

Writing Enhanced Course: will be met with CHE 211

Community Service Hours: Required \_\_\_\_\_ Met: \_\_\_\_\_

Overall GPA >= 3.25

Science GPA >= 3.0

Pre-Requisite GPA >= 3.0

### Residency Requirements:

- 45 of last 60 credits
- Min 12 Alvernia credits in major
- Min 9 Alvernia credits in minor (if applicable)
- Min 123 non-remedial credits earned

## BIOLOGY (101-104 cr)

### GradeNotes:

### Major (20 cr)

- BIO 103 Principles of Biology I (4) \_\_\_\_\_
- BIO 104 Principles of Biology II (4) \_\_\_\_\_
- BIO 221 General Microbiology (4) \_\_\_\_\_
- BIO 303 Genetics (3) \_\_\_\_\_
- BIO 304 Cell Biology (3) \_\_\_\_\_
- BIO 309 Genetics Lab (1) \_\_\_\_\_
- BIO 311 Cell Biology Lab (1) \_\_\_\_\_
- SCI 402 *DPT 522&528 (see below)* (x) \_\_\_\_\_

Select:

- SCI 480 Biology Internship (x) \_\_\_\_\_

OR

- SCI 406 Research I (x) \_\_\_\_\_

- SCI 407 Research II (x) \_\_\_\_\_

*DPT 508 & 509 (see below)*

### Major Electives (8 cr)

- BIO 107 Human A&P I (3) \_\_\_\_\_
- BIO 117 Human A&P I Lab (1) \_\_\_\_\_
- BIO 108 Human A&P II (3) \_\_\_\_\_
- BIO 118 Human A&P II Lab (1) \_\_\_\_\_
- DPT 500 (see below)* (x) \_\_\_\_\_
- DPT 502 (see below)* (x) \_\_\_\_\_
- DPT 504 (see below)* (x) \_\_\_\_\_
- DPT 516 (see below)* (x) \_\_\_\_\_

### Related Requirements (36 cr)

- CHE 104 General Chemistry I (3) \_\_\_\_\_
- CHE 105 General Chemistry II (3) \_\_\_\_\_
- CHE 107 Laboratory Safety (1) \_\_\_\_\_
- CHE 110 General Chemistry Lab I (1) \_\_\_\_\_
- CHE 111 General Chemistry Lab II (1) \_\_\_\_\_
- CHE 201 Organic Chemistry I (3) \_\_\_\_\_
- CHE 202 Organic Chemistry II (3) \_\_\_\_\_
- CHE 210 Organic Chemistry Lab I (1) \_\_\_\_\_
- CHE 211 Organic Chemistry Lab II (1) \_\_\_\_\_
- MAT 209 Probability & Statistics (3) \_\_\_\_\_
- MAT 220 Mat Comp/Statistics Lab (1) \_\_\_\_\_
- MAT 230 Calculus I (4) \_\_\_\_\_
- PSY 101 Introductory Psychology (3) \_\_\_\_\_
- PHY 200 Physics I w/Lab (4) \_\_\_\_\_
- PHY 201 Physics II w/Lab (4) \_\_\_\_\_

### Recommended (3 cr):

- MAT 131 Pre-Calculus (3) \_\_\_\_\_

### Doctor of Physical Therapy (37 cr.)

- DPT 500 Gross Anatomy & Histology (5) \_\_\_\_\_
- DPT 502 Kinesiology (4) \_\_\_\_\_
- DPT 503 Physiology PT (5) \_\_\_\_\_
- DPT 504 Practice Mgmt I (3) \_\_\_\_\_
- DPT 508 PT Procedures I (4) \_\_\_\_\_
- DPT 509 Found Clinical Exam & Eval (4) \_\_\_\_\_
- DPT 512 Critical Inquiry I (1) \_\_\_\_\_
- DPT 516 Musculoskeletal PT Prac I (3) \_\_\_\_\_
- DPT 520 Neuromuscular PT Practice (3) \_\_\_\_\_
- DPT 522 Found. Clinical Practice (1) \_\_\_\_\_
- DPT 523 Clinical Practice I (1) \_\_\_\_\_
- DPT 528 Cardio Practice I (3) \_\_\_\_\_