

Bachelor of Science
Biology ~ General
 with
 Physical Therapy Prerequisites ¹

Fall Semester – Year One	credits	Winter Semester- Year One	credits
BIO 120: General Biology I (<i>Gen Ed</i>)	4	BIO 121: General Biology II	4
MTH 110: College Algebra	4	CHM 115: Principles of Chemistry I	5
PSY 101: Intro. Psychology (<i>Gen Ed</i>)	3	MTH 122: College Algebra (<i>Gen Ed</i>)	3
WRT 150: Strategies in Writing	4	Gen Ed.*	3
Total	15	Total	15
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
BIO 215: General Ecology	4	BMS 208: Human Anatomy	3
CHM 116: Principles of Chemistry II	5	CHM 231: Introductory Organic Chemistry	4
MTH 123: Trigonometry	3	STA 215: Introductory Applied Statistics	3
Gen Ed.	3	Gen Ed.	3
Total	15	Total	16
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
BMS 290/291: Human Physiology w/lab	4	BIO 375/376: Genetics/ Genetics Lab	4
CHM 232: Biological Chemistry	4	PHY 221: General Physics II	5
PHY 220: General Physics I	5	Gen Ed., Theme, or WRT 305 ²	3
Gen Ed. or Theme	3	PSY 364: Life Span Developmental Psych	3
Total	16	Total	15
Fall Semester – Year Four	credits	Winter Semester – Year Four	Credits
BIO 405/406: Cell/Molecular Biology	6	BIO Elective ⁴	3
BIO Plant Elective ³	3-4	BIO 495: Evolutionary Biology (Capstone)	3
Gen Ed. or Theme	3	BMS 309: Human Anatomy Lab	1
Gen Ed. or Theme	3	MOV 304: Physiology of Activity	3
Total	15-16	Gen Ed. or Theme	3
		Gen Ed. or Theme	3
		Total	16

Notes:

* The Physical Therapy program requires students to take one of the following courses: SOC 201, SOC 280, OR ANT 204. All three courses are part of the general education.

¹ The Physical Therapy program at GVSU is a Clinical Doctorate degree which requires the completion of a nationally accredited bachelor’s degree prior to the start of the program. No specific major is required

² Students who pass the WRT 305 exam have room to take a GenEd, Theme, or elective course in this semester.

³ Students are required to take one course in plant biology. Available course options include: BIO 303, 323, 333, 403, 413, 423, **OR** 573 (with permission).

⁴ Students take one biology elective at the 209 level or above except for BIO 355.

Special Notes:

- A. This is a **general** curriculum guide and will not work for everyone, especially those students who have AP or CLEP credit.
- B. Courses that have (*Gen Ed*) written after them are classes that are required in the major and also fulfill a section of the general education program.
- C. Remember to fulfill your 2 SWS requirements; 1 can be taken in the general education program and 1 in your major.
- D. Some classes are in multiple sections within the general education. If you take a course that can be counted in two categories, you can open up 1-2 more spots for major electives.
- E. You must have a minimum of **120 credits** to graduate from Grand Valley State University.

Students majoring in Biology are encouraged to meet with an advisor in the Biology department (616-331-2470) for advising in their undergraduate program while also meeting with an advisor in the College of Health Professions (616-331-3356) to discuss the admission requirements for the Physical Therapy program.

Clinical Doctorate of Physical Therapy (DPT)

Application Criteria ~

- ✓ Application deadline is: **October 15th**
- ✓ Substantial completion of prerequisite coursework (outlined below). Students in process of completing this requirement must submit a written plan of completion (include course name, number, semester, credit hours, and university) with application
- ✓ Minimum cumulative GPA of 3.0 overall & 3.0 average in prerequisite courses
- ✓ The Graduate Record Exam (GRE) score
- ✓ Official transcripts from all colleges and universities attended
- ✓ Minimum of 50 hours of volunteer, work, and/or observational experiences in PT documented on abbreviated resume form. Additional education, professional, leadership, scholarly, and volunteer activities are valued and should be documented on this form as well (abbreviated resume form available on PT website)
- ✓ Two recommendations; one from a physical therapist both must be on university forms
- ✓ 1-2 page essay describing goals, aspirations, and reasons for pursuing a PT career
- ✓ On-site interview and essay writing (invitation only)
- ✓ Must meet all technical standards as indicated on PT website

The following courses have been included in the Biology curriculum guide on the reverse side

Prerequisite Courses	Status	Course/School	Year	Grade	Credits
BIO 120 General Biology I (prerequisites: CHM 109 or 115)					
BMS 208 Human Anatomy (prerequisites: BIO 120 or BMS 202)					
BMS 309 Human Anatomy Lab (B- or better in BMS 208)					
BMS 290/291 Human Physiology & Lab (BMS 208 & 2 semesters of CHM)					
MOV 304 Physiology of Activity (BMS 202 or BMS 290/291)					
MTH 122 & 123 or MTH 201 College algebra and trigonometry or calculus					
PHY 220/221 Sequential Physics Courses w/ Lab (MTH 122 & 123)					
PSY 101 Introduction to Psychology					
PSY 364 Life Span Developmental Psychology (PSY 101)					
SOC 201 or SOC 280 or ANT 204 Introductory sociology, social problems or cultural anthropology					
STA 215 Introductory Applied Statistics (MTH 110)					

For more information about the Physical Therapy program please call the College of Health Professions at 616-331-3356 to schedule an appointment to meet with an advisor.