

**Bachelor of Science in  
Biomedical Science  
with  
Physical Therapy Prerequisites <sup>1</sup>**

Fall Semester – Year One	credits	Winter Semester- Year One	credits
BIO 120: General Biology I ( <i>Gen Ed</i> )	4	CHM 115: Principles of Chem I ( <i>Gen Ed</i> )	5
MTH 110: Algebra	4	WRT 150: Strategies in Writing	4
Gen Ed.*	3	MTH 122: College Algebra ( <i>Gen Ed</i> )	3
Gen Ed.	3	Gen Ed.	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
BMS 208: Human Anatomy	3	CHM 241: Organic Chm. for Life Sci. I	4
CHM 116: Principles of Chemistry II	5	PSY 364: Life Span Developmental Psych.	3
MTH 123: Trigonometry	3	STA 215: Introductory Applied Statistics	3
PSY 101: Intro. Psychology ( <i>Gen Ed</i> )	3	Gen Ed.	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
CHM 242: Organic Chm. for Life Sci. II	4	CHM 232: Biological Chemistry	4
PHY 220: General Physics I	5	BMS 290/291: Human Physiology w/lab	4
Gen Ed. or Theme	3	PHY 221: General Physics II	5
Gen Ed. or Theme	3	Gen Ed., Theme, or WRT 305 <sup>2</sup>	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>
Fall Semester – Year Four	credits	Winter Semester – Year Four	Credits
BIO 355: Human Genetics	3	BMS 495: Concepts in Wellness (Capstone)	3
BMS 212/213: Intro. to Microbiology	4	BMS 309: Human Anatomy Lab	1
MOV 304: Physiology of Activity	3	BMS Major Elective <sup>3</sup>	3
BMS 301: Introduction to Research	3	Gen Ed. or Theme	3
BMS Major Elective <sup>3</sup>	3	Gen Ed. or Theme	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

**Notes:**

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

<sup>1</sup> 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.

<sup>2</sup> Students who pass the WRT 305 exam have room to take a Gen Ed, Theme, or elective course in this semester.

<sup>3</sup> Six hours of BMS upper-division (300 level and higher) courses which may include BIO 405, 406, 422 or CHM 461.

**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 Biomedical Science are encouraged to meet with an advisor in the CLAS Academic Advising Center (616-331-8585) for 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)

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### Application Criteria ~

- ✓ Application deadline is: **October 15<sup>th</sup>**
- ✓ 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 are included in the Biomedical Science curriculum guide on reverse side**

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