

Bachelor of Science in
Exercise Science
Clinical Exercise Emphasis
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 | BMS 208: Human Anatomy | 3 |
| CHM 109: Introductory Chemistry (<i>Gen Ed</i>) | 5 | CHM 231: Introduction to Organic Chem. | 4 |
| MOV 101: Foundations of Physical Edu. | 3 | MTH 122: College Algebra (<i>Gen Ed</i>) | 3 |
| MTH 110: Algebra | 4 | MOV 102: First Aid | 2 |
| | | WRT 150: Strategies in Writing | 4 |
| <i>Total</i> | 16 | <i>Total</i> | 16 |
| Spring/Summer 1st Session | | Spring/Summer 2nd Session | |
| Gen. Ed. | 3 | Gen. Ed. | 3 |
| Fall Semester – Year Two | credits | Winter Semester – Year Two | credits |
| CHM 232: Biological Chemistry | 4 | BMS 105: Basic Nutrition | 3 |
| MTH 123: Trigonometry | 3 | BMS 290/291: Human Physiology/Lab | 4 |
| PED 217: Principles of Athletic Training | 3 | MOV 304: Physiology of Activity | 3 |
| PSY 101: Intro. Psychology (<i>Gen Ed</i>) | 3 | STA 215: Introductory Applied Statistics | 3 |
| Gen Ed.* | 3 | Gen Ed. or Theme | 3 |
| <i>Total</i> | 16 | <i>Total</i> | 16 |
| Spring/Summer 1st Session | | Spring/Summer 2nd Session | |
| PHY 220: General Physics I | 5 | PHY 221: General Physics II | 5 |
| Fall Semester – Year Three | credits | Winter Semester – Year Three | credits |
| BMS 306: Advanced Human Nutrition | 3 | BMS 415: Nutrition & Physical Perform. | 3 |
| MOV 300: Kinesiology | 3 | MOV 309: Measurement and Evaluation | 2 |
| MOV 320: Fitness Assess. And Exercise Rx. | 1 | MOV 420: Lab Practicum in MOV Science | 2 |
| MOV 321: Exercise Testing Lab | 3 | PSY 310: Behavior Modification | 3 |
| MOV 365: Clinical Exercise Science | 3 | Gen Ed., Theme, or WRT 305 ² | 3 |
| Gen Ed. or Theme | 3 | Gen Ed. or Theme | 3 |
| <i>Total</i> | 16 | <i>Total</i> | 16 |
| Spring/Summer 1st Session | | Spring/Summer 2nd Session | |
| BMS 309: Lab in Human Anatomy | 1 | PSY 364: Life Span Developmental Psych. | 3 |
| Gen Ed. or Theme | 3 | | |
| Fall Semester – Year Four | credits | Winter Semester – Year Four | Credits |
| MOV 470: Exercise for Special Populations | 3 | MOV 490: Internship in Movement Science | 6-12 |
| MOV 475: Fieldwork in Movement Science | 3 | Gen. Ed. or Theme | 3 |
| MOV 495: Professionalism in Exercise Sci. | 3 | Total | 9-15 |
| Gen Ed. or Theme | 3 | | |
| Gen Ed. or Theme | 3 | | |
| <i>Total</i> | 15 | | |

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 program.

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 Gen Ed, Theme, or elective course in this semester.

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 Exercise Science are encouraged to meet with an advisor in the Movement Science department (616-331-3515) 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)

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 are included in the Exercise Science 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.