

EXERCISE SCIENCE – BS – CLINICAL EXERCISE SCIENCE EMPHASIS**--GVSU PHYSICAL THERAPY PREREQUISITES INCLUDED--**THIS IS A GENERAL CURRICULUM GUIDE AND IS NOT APPLICABLE TO EVERY STUDENT. IT IS IMPORTANT TO MEET WITH YOUR ADVISOR.**Sample Four-Year Plan**

Year One			
¹BIO 120 – General Biology I (Gen Ed) Prerequisite: High school chemistry, CHM109 or CHM115 strongly Recommended (CHM 109 or 115 may be taken concurrently)	4	¹BMS 250 – Anatomy and Physiology I Prerequisite: BIO 120	4
¹CHM 109 – Introductory Chemistry (Gen Ed) Prerequisite: None	4	¹CHM 231 – Introductory Organic Chemistry Prerequisite: CHM 109 or CHM 116	4
MTH 110 – Algebra Prerequisite: MTH 097 or GVSU placement test	4	WRT 150 – Strategies in Writing (Gen Ed) Prerequisite: None	4
MOV 101 – Foundations of Human Movement Science Prerequisite: None	3	MTH 122 – College Algebra (Math Gen Ed) Prerequisite: MTH 110 or GVSU placement test	3
<i>Total</i>	15	<i>Total</i>	15
Year Two			
¹BMS 251 - Anatomy and Physiology II Prerequisite: BMS 250	4	¹MOV 304 – Introduction to Exercise Physiology Prerequisite: BMS 202 or BMS 290 or BMS 251	3
STA 215 – Introductory Applied Statistics (Gen Ed) Prerequisite: MTH 110 or equivalent	3	CHM 232 – Biological Chemistry Prerequisite: CHM 231 or CHM 242 or CHM 247	4
PSY 101 – Introductory Psychology (Gen Ed) Prerequisite: None	3	BMS 105 – Basic Nutrition Prerequisite: None	3
MTH 123 – Trigonometry Prerequisite: MTH 122 or GVSU placement test	3	ATH 217 – Principles of Athletic Training Prerequisite: None	2
SOC 101 (SBS) or SOC 105 (SBS/US) or ANT 204 (SBS/GP) (Gen Ed) Prerequisite: None	3	EXS 209 – Research Methods in Exercise and Health Sciences Prerequisite: STA 215	3
<i>Total</i>	16	<i>Total</i>	15
Spring/Summer			
PHY 220 – General Physics I Prerequisite: MTH 122 and MTH 123	5	PHY 221 – General Physics II Prerequisite: PHY 220	5
Year Three			
¹EXS 320 + EXS 321 – Exercise Testing and Prescription (with lab) Prerequisite: MOV 304; EXS 320 and EXS 321 are co-requisites	4	¹EXS 390 – Fieldwork in Exercise Science Prerequisite: EXS 320 and EXS 321 both with a B- or better CPR/First Aid Certified	2
²PSY 364 – Lifespan Developmental Psychology (Major elective) Prerequisite: PSY 101 or HNR 234	3	²Major Elective (see list below) Prerequisite:	3
MOV 300 – Kinesiology Prerequisite: BMS 202 or BMS 208 or BMS 250	3	PSY 310 – Behavior Modification Prerequisite: PSY 101 or HNR 234	3
Gen Ed Course Prerequisite:	3	EXS 465 – Cardiopulmonary Rehabilitation Prerequisite: EXS 320 and EXS 321	3
Gen Ed Course Prerequisite:	3	Issue Course Prerequisite: Junior standing	3
<i>Total</i>	16	<i>Total</i>	14
Year Four			
¹EXS 420 – Laboratory Practicum in Exercise Science Prerequisite: EXS 390 or both EXS 320 and EXS 321	3	^{1, 4}EXS 490 – Internship in Exercise Science Prerequisite: EXS 420 with a minimum grade of B-	6-12
EXS 470 – Exercise for Special Populations Prerequisite: EXS 320 and EXS 321	3	⁴EXS 495 – Professionalism in Exercise Science (SWS) Prerequisite: EXS 390 and WRT 150	3
²Major Elective (see list below) Prerequisite:	3	Gen Ed Course Prerequisite:	3
Issue Course Prerequisite: Junior standing	3	Gen Ed Course Prerequisite:	3
Gen Ed Course Prerequisite:	3		
<i>Total</i>	15	<i>Total</i>	15

Notes:¹ Courses that are bolded have to be taken in the sequence that they are displayed on this guide (see information on back)² Options for major electives: BIO 328, BIO 355, BMS 375, EXS 460, MOV 310, MOV 350, MOV 480, PSY 364, STA 345. PSY 364 is a prerequisite course for GVSU's PT program.³ Students must complete two courses with an SWS attribute.⁴ EXS 490 – Internship in Exercise Science can be taken for 6, 9, or 12 credits.⁵ Students must have a minimum of 120 credits to graduate with 58 of the 120 credits being from a senior level institution and the final 30 of the 120 credits completed at GVSU.⁶ The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15.

It is imperative to meet with your faculty advisor and an advisor in the CLAS Academic Advising Center regularly.

The CLAS Academic Advising Center is located in C-1-120 and C-1-140 MAK, 616-331-8585.

Online at: <http://www.gvsu.edu/clasadvising>

Declaring the Exercise Science Major with Clinical Exercise Science emphasis:

1. Log into myBanner from the GVSU homepage
2. Once logged in select "Student," "Student Records," and then "Change Major"
3. Click on the "Change Major 1/Program" box
4. Click on the down arrow in the box next to "New Major 1/Program," from here scroll down and choose "Exercise Science-BS Clinical Exercise Science"
5. Click "Submit" and then click "Change to New Program"

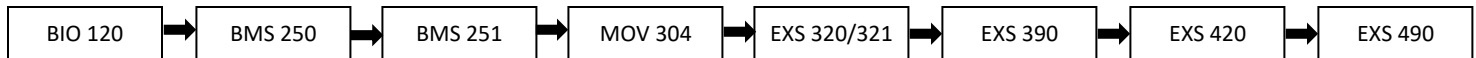
General Education Overlap

General Education Categories fulfilled by the Major:	
Life Sciences with Lab: BIO 120*	Physical Sciences with Lab: CHM 109* or PHY 220
Mathematical Sciences: STA 215	Social and Behavioral Sciences: PSY 101*

*BIO 120, CHM 109 and PSY 101 are prerequisites to courses that are required in the major.

NOTE: The GVSU Physical Therapy program requires students to take either SOC 101, SOC 105 or ANT 204. Each of these courses is a general education course in Social and Behavioral Sciences. Additionally, SOC 105 fulfills US Diversity and ANT 204 fulfills Global Perspectives.

Prerequisite Sequences in the Major



List of Required Courses

Exercise Science Major B.S. Degree Requirements

- BMS 251 – Anatomy and Physiology II Credits: 4
- MOV 304 – Introduction to Exercise Physiology Credits: 3
- STA 215 - Introductory Applied Statistics Credits: 3

Exercise Science Major Courses

- BIO 120 – General Biology Credits: 4
- BMS 105 - Basic Nutrition Credits: 3
- MOV 101 - Foundations of Human Movement Science Credits: 3
- ATH 217 - Modern Principles of Athletic Training Credits: 2
- MOV 300 - Kinesiology Credits: 3
- EXS 209 – Research Methods in Exercise and Health Sciences Credits: 3
- EXS 320 - Exercise Testing and Prescription Credits: 3
- EXS 321 - Exercise Testing Lab Credits: 1
- EXS 390 – Fieldwork in Exercise Science Credits: 2
- EXS 420 – Laboratory Practicum in Exercise Science Credits: 3
- EXS 470 - Exercise for Special Populations Credits: 3
- EXS 490 - Internship in Exercise Science Credits: 6, 9, or 12
- EXS 495 - Professionalism in Exercise Science Credits: 3 (SWS)
- PSY 310 – Behavior Modification Credits: 3
- STA 215 - Introductory Applied Statistics Credits: 3

Clinical Exercise Science Emphasis

- CHM 109 – Introductory Chemistry Credits: 4
- CHM 231 - Introductory Organic Chemistry Credits: 4
- CHM 232 - Biological Chemistry Credits: 4
- BMS 250 – Anatomy and Physiology I Credits: 4
- BMS 251 – Anatomy and Physiology II Credits: 4
- EXS 465 – Cardiopulmonary Rehabilitation for the Clinical Exercise Physiologist Credits: 3
- PHY 200 - Physics for the Life Sciences Credits: 4*
 - Pre-PT Students should take PHY 220 – General Physics I (5) and PHY 221 – General Physics II (5). PHY 220 will replace PHY 200 in the major.
- Major Elective Credits: 3*
 - Pre-PT Students should include PSY 364 as one of their major electives.
- Major Elective Credits: 3
- Major Elective Credits: 3

2022 Application Year PT Prerequisites at GVSU

Prerequisite Courses...Students are responsible for completion of prerequisites & bachelor's degree before the start of the program.	School	Course title / Code	Grade
BIO 120 General Biology I (GV prerequisites: High school chemistry, CHM 109 or 115 strongly recommended)			
Complete option A or B: Option A: BMS 208 Human Anatomy (GV prerequisite BIO 120) and BMS 290 & 391 Human Physiology with lab (GV prerequisite BMS 208 & 2 semesters of chemistry) and BMS 309 Laboratory in Human Anatomy (GV Preq: "B" or better in BMS 208 or BMS 251) <u>or</u> Option B: BMS 250 Anatomy and Physiology I (GV prerequisite BIO 120) and BMS 251 Anatomy and Physiology II (GV prerequisite BMS 250)			
MOV 304 Introduction to Exercise Physiology (GV prerequisites: BMS 202 or 251 or 290)			
MTH 122 or 123 or MTH 201 (GV prereq. MTH 110) College Algebra and Trigonometry or Calculus			
PHY 220 and PHY 221 General Physics I & II w/ lab (GV prerequisites: MTH 122 & 123)			
PSY 101 Introduction to Psychology			
PSY 364 Life Span Developmental Psychology (GV prerequisite: PSY 101)			
SOC 101 or SOC 105 or ANT 204 Intro Sociology or Social Problems or Cultural Anthropology			
STA 215 Introductory Applied Statistics (GV prerequisite: MTH 110)			
*Chemistry: Two courses, each with a lab			

Prerequisite Notes...

- Students are responsible for the completion of prerequisites & bachelor's degree before the start of the program. All prerequisites must be taken for letter grades (AP/IB credit is acceptable). Credit/No Credit courses will not be accepted. A grade of "C" or higher is required.
- Students are expected to complete corresponding labs for prerequisite science courses as indicated above.

Admissions Process

Grand Valley State University's (GVSU) Clinical Doctorate of Physical Therapy (DPT) program utilizes the Physical Therapist Centralized Application System (PTCAS) for the application process.

There is a non-refundable \$500.00 deposit required to hold a position in an incoming class, once a student is admitted to the DPT Program.

If a student is admitted and agrees to attend, the deposit will be applied to the first semester tuition in the DPT Program. Application and all supporting documents for PTCAS and GVSU have a receipt deadline of October 15. It is strongly recommended that applicants submit application materials 4-6 weeks prior to October 15 to allow for PTCAS processing time.

Program Eligibility

- Completion of Bachelor's degree.
- Completion of Prerequisite courses. All prerequisites must be taken for letter grades. For each course, a grade of C or higher is required. The prerequisites and undergraduate degree must be completed by the first day of classes of the professional program.
- Effective communication and interpersonal skills.
- Ability to perform all Essential Functions of the physical therapy program.
- Submission of the following materials:
 - Physical Therapy Centralized Application Service (PTCAS @ www.ptcas.org)
 - PTCAS online application and fees
 - Official transcripts from ALL colleges and universities attended; minimum 3.20 cumulative & prerequisite GPA required
 - Two recommendation Forms - submit the names and email addresses of two references on the PTCAS electronic application. References complete and return the electronic form to PTCAS. A licensed physical therapist with whom you have worked / job shadowed / volunteered must complete 1 of the 2 recommendations.
 - Documentation of volunteer / work / job shadow PT hours on the PTCAS application– minimum of 50 hours required; the 'PTCAS Verification Form' is not required by/for GVSU admissions
 - Official results from the GRE (Graduate Record Exam) general and written test. Use PTCAS GRE Code 0282. Go to www.ets.org for more information about the GRE test.
 - GVSU Admission Materials & Requirements
 - GVSU Physical Therapy Supplemental Application Form - the link to this form is ONLY available at the PTCAS website
 - \$30 application fee (unless previously paid to GVSU)
 - Students admitted to the GVSU DPT program must submit final transcripts demonstrating completion of all prerequisite coursework and bachelor's degree prior to the start of the program
 - •Students must meet all Essential Functions of the physical therapy program

International Students (in addition to the above requirements)

- Original or certified original transcripts with official credentialed evaluations (e.g., WES, ECE)
- Official TOEFL test score (minimum 610 (paper-based) or 253 (computer-based) or 102 (internet-based) score required)
- Statement of financial support (refer to GVSU Supplemental Form)
- Test scores and documents must be sent directly to GVSU's Admissions Office at 1 Campus Drive, Allendale, MI 49401-9403

The Doctorate of Physical Therapy program resides in the College of Health Professions (CHP)
For more information or to meet with a CHP Student Services Academic Advisor please call (616) 331-5900
Visit our website at www.gvsu.edu/chpss

College of Health Professions | Physical Therapy Graduate Office
Cook DeVos Center for Health Sciences,
301 Michigan NE, Suite 200, Grand Rapids, MI 49503
Call us at 616-331-5900 or online at www.gvsu.edu/pt