

EXERCISE SCIENCE – BS – CLINICAL EXERCISE SCIENCE EMPHASISTHIS 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: None	4	¹BMS 208 – Human Anatomy Prerequisite: BIO 120	3
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	PSY 101 – Introductory Psychology (Gen Ed) Prerequisite: None	3
<i>Total</i>	<i>15</i>	<i>Total</i>	<i>14</i>
Year Two			
¹BMS 290 + BMS 291 – Human Physiology (with lab) Prerequisite: BMS 208 and two semesters of chemistry	4	¹MOV 304 – Introduction to Exercise Physiology Prerequisite: BMS 202 or BMS 290 or BMS 251	3
CHM 232 – Biological Chemistry Prerequisite: CHM 231 or CHM 242 or CHM 247	4	PHY 200 – Physics for the Life Sciences Prerequisite: MTH 110 or MTH 122 or MTH 201	4
STA 215 – Introductory Applied Statistics (Gen Ed) Prerequisite: MTH 110 or equivalent	3	BMS 105 – Basic Nutrition Prerequisite: None	3
Gen Ed Course Prerequisite:	3	MOV 217 + MOV 218 – Principles of Athletic Training (with lab) Prerequisite: None	3
		MOV 309 – Measurement and Evaluation Prerequisite: None	2
<i>Total</i>	<i>14</i>	<i>Total</i>	<i>15</i>
Year Three			
¹MOV 320 + MOV 321 – Exercise Testing and Prescription (with lab) Prerequisite: MOV 304; MOV 320 and 321 are co-requisites	4	¹MOV 420 – Laboratory Practicum in Exercise Science Prerequisite: MOV 320 and MOV 321	2
⁵BMS 306 – Advanced Human Nutrition (or sub) Prerequisites: BMS 290 or MOV 304 and CHM 232 or CHM 461	3	⁵BMS 415 – Nutrition and Physical Performance (or sub) Prerequisite: BMS 305 or BMS 306	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
MOV 365 – Clinical Exercise Physiology Prerequisite: BMS 290 and MOV 304	3	MOV 102 – First Aid, CPR and AED Prerequisite: None	2
Gen Ed Course Prerequisite:	3	Gen Ed Course Prerequisite:	3
		Issue Course Prerequisite:	3
<i>Total</i>	<i>16</i>	<i>Total</i>	<i>16</i>
Year Four			
¹MOV 475 – Fieldwork in Exercise Science Prerequisite: STA 215 and MOV 420	2	¹MOV 490 – Internship in Exercise Science⁴ Prerequisite: Completion of MOV 475 and permission of instructor	6-12
MOV 470 – Exercise for Special Populations Prerequisite: MOV 320 and MOV 321	3	Gen Ed Course Prerequisite:	3
³MOV 495 – Professionalism in Exercise Science (SWS) Prerequisite: MOV 420 and WRT 150	3	Gen Ed Course Prerequisite:	3
Gen Ed Course Prerequisite:	3	² Elective Prerequisite:	4
Issue Course Prerequisite:	3		
<i>Total</i>	<i>14</i>	<i>Total</i>	<i>16</i>

*The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15.

Notes:¹ Courses that are bolded have to be taken in the sequence that they are displayed on this guide. (see prerequisite sequence on back)² *Elective* refers to courses that help earn credits toward the 120 credits required for graduation.³ Students must complete two courses with an SWS attribute.⁴ MOV 490 – Internship in Exercise Science can be taken for 6, 9 or 12 credits.⁵ Students can substitute courses for BMS 306 and BMS 415 with approval from their Exercise Science Faculty Advisor.

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

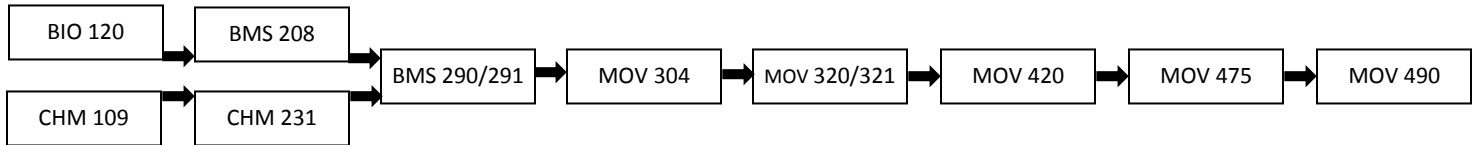
The CLAS Academic Advising Center is located in C-1-140 MAK, 616-331-8585.

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"

Prerequisite Sequences in the Major



General Education Overlap

General Education Categories fulfilled by the Major:	
Life Sciences with Lab: BIO 120*	Physical Sciences with Lab: CHM 109*
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.

List of Required Courses

Exercise Science Major B.S. Degree Requirements

- [BMS 208 – Human Anatomy](#)
- [MOV 304 – Introduction to Exercise Physiology](#) Credits: 3
- [STA 215 - Introductory Applied Statistics](#) Credits: 3

Exercise Science Major Courses

- [BMS 105 - Basic Nutrition](#) Credits: 3
- [MOV 101 - Foundations of Human Movement Science](#) Credits: 3
- [MOV 102 - First Aid, CPR and AED](#) Credits: 2
- [MOV 217 - Modern Principles of Athletic Training](#) Credits: 2
- [MOV 218 - Modern Principle of Athletic Training Lab](#) Credits: 1
- [MOV 300 - Kinesiology](#) Credits: 3
- [MOV 309 - Measurement and Evaluation](#) Credits: 2
- [MOV 320 - Exercise Testing and Prescription](#) Credits: 3
- [MOV 321 - Exercise Testing Lab](#) Credits: 1
- [MOV 420 - Laboratory Practicum in Exercise Science](#) Credits: 2
- [MOV 470 - Exercise for Special Populations](#) Credits: 3
- [MOV 475 - Fieldwork in Exercise Science](#) Credits: 2
- [MOV 490 - Internship in Exercise Science](#) Credits: 6 to 12
- [MOV 495 - Professionalism in Exercise Science](#) Credits: 3 (SWS)

Clinical Exercise Science Emphasis

- [BMS 290 - Human Physiology](#) Credits: 3
- [BMS 291 - Laboratory in Human Physiology](#) Credits: 1
- [BMS 306 - Advanced Human Nutrition](#) Credits: 3
- [BMS 415 - Nutrition and Physical Performance](#) Credits: 3
- [CHM 231 - Introductory Organic Chemistry](#) Credits: 4
- [CHM 232 - Biological Chemistry](#) Credits: 4
- [MOV 365 - Clinical Exercise Physiology](#) Credits: 3
- [PHY 200 - Physics for the Life Sciences](#) Credits: 4
- [PSY 310 - Behavior Modification](#) Credits: 3