EXERCISE SCIENCE – BS – EXERCISE SCIENCE IN HEALTH CARE EMPHASIS

2023-2024

THIS IS A GENERAL CURRICULUM GUIDE AND IS NOT APPLICABLE TO EVERY STUDENT. IT IS IMPORTANT TO MEET WITH YOUR ADVISOR.

¹ MTH 110 - Algebra 4 BMS 105 - Basic Nutrition 3 ¹ MTH 110 - Algebra 3 3 Prerequisite: MTH 097 or GVSU placement test 3 3 EXS 195 - Introduction to Exercise Science 3 3 7 total 15 7 total 14 Total 15 Total 14 Vear Two Total 14 Vear Two Total 14 Prerequisite: BMS 250 3 Prerequisite: BMS 250 3 Prerequisite: CHM 109 3 SX 200 - Exercise Instruction & Leadership 3 Prerequisite: IMS 250 3 Gen Ed – Social & Behavioral Science #2 3 Starts introductory Applied Statistics (Gen Ed - Mathematical Science #1 3 Starts introductory Applied Statistics (Gen Ed - Mathematical Science #1 16 Total 15 Starts introductory Applied Statistics (Gen Ed - Mathematical Science #1 3 16 Prerequisite: STA 215 3					
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	Gen Ed – Philosophy & Literature	3			
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The block tuition rate is for 12-15 credits. You will pay additional tuition for more than 15 credits.

¹Students who place into preparatory levels of Math or Writing will take a two-semester version of this requirement | MTH 108 & MTH 109 | WRT 120 & 130 ²Courses **bolded** are required to be taken in the sequence as they have been listed in this guide and each course requires the previous to be completed ³Options for Major Electives: See list on back

Graduation Requirements

- Earn 120 credit hours at minimum of 2.0 GPA 58 credit hours at 4-yr institution and last 30 credit hours at GVSU
- Complete all components of the General Education program, including two Issues courses
- Complete two supplemental writing skills (SWS) courses after WRT 150 with minimum C grade
- For more information, visit the CLAS Academic Advising Center MAK C-1-140 (http://www.gvsu.edu/clasadvising

This emphasis provides a logical gateway for graduate health profession-seeking students (athletic training, physical therapy, occupational therapy, and physician assistant) by broadening their basic biological and physical science background. This emphasis is intentionally diverse in electives to accommodate the wide range of graduate health profession pre-requisite coursework not already offered within the Exercise Science core curriculum.

Emphasis Elective Choices – Must choose 12 credits

ATH 210: Directed Observation in AT (1 credit)	ATH 218: Modern Principles of Athletic Training Lab (1 credit)
BIO 355: Human Genetics (3 credits)	BMS 212: Introductory Microbiology (3 credits)
BMS 213: Laboratory in Microbiology (1 credit)	BMS 305: Clinical Nutrition (3 credits)
BMS 309: Laboratory in Human Anatomy (1 credit)	BMS 310: Basic Pathophysiology (3 credits)
BMS 355: Anatomy of Joints (2 credits)	BMS 427: Neuroanatomy (1 credit)
CHM 231: Introductory Organic Chemistry (4 credits)	CHM 232: Biological Chemistry (4 credits)
EXS 360: Strength & Conditioning for Athl Performance (3 credits)	EXS 400: Biomechanics (3 credits)
EXS 440: Environmental Exercise Physiology (3 credits)	MOV 102: First Aid, CPR, and AED (2 credits)
MOV 310: Motor Skill Development (3 credits)	PHY 216: Physics of Sport (4 credits)
PHY 220: General Physics I (5 credits)	PHY 221: General Physics II (5 credits)
PSY 303: Psychopathology (3 credits)	PSY 330: Foundations of Behavioral Neuroscience (3 credits)
PSY 364: Life Span Developmental Psychology (3 credits)	PSY 431: Introduction to Neuropsychology (3 credits)

*Suggested emphasis electives to meet Physical Therapy admission requirements: Would still need to select 3 additional emphasis elective credits

- PHY 220 (sub for PHY 200) (+1 cr)
- PHY 221 (5 cr)
- PSY 364 (3 cr)

*Suggested emphasis electives to meet MAT admission requirements/recommendations: Would still need to select 2 additional emphasis elective credits • ATH 210 (1 cr)

- ATH 210 (1 C)
 ATH 218 (1 c)
- MOV 102 (2 cr)
- MOV 102 (2 cr)
 MOV 310 (3 cr)
- BMS 310 (3 cr)

*Suggested emphasis electives to meet Physician Assistant admission requirements: Would still need to select 1 additional emphasis elective credit

- CHM 231 (sub for CHM 230)
- CHM 232 (4 cr)
- BMS 212 (3 cr)
- BMS 213 (1 cr)
- BIO 355 (3 cr)

Declaring the Exercise Science Major with Health Professions Preparation 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 Health Professions Prep"
- 5. Click "Submit" and then "Change to New Program"

General Education Overlap

General Education Categories fulfilled by the Major:	
Mathematical Sciences: STA 215	Social and Behavioral Sciences: PSY 101
Life Sciences: BIO 120	Physical Sciences: CHM 109