

## BACHELOR OF SCIENCE IN HEALTH SCIENCES – PHYSIOLOGY AND MEDICAL SCIENCES

### For students starting in the 2026-2027 academic year

#### UNIVERSITY REQUIREMENTS

<b>University Composition Requirement</b>	<b>(3-6 units)</b>
WRIT 101 First-Year Composition and	3 _____
WRIT 102 First-Year Composition	3 _____
OR WRIT 109H First-Year Composition Honors	3 _____

#### Second Language (0-8 units)

Complete one of the following:

A) Complete courses through 2<sup>nd</sup> semester level

B) Pass a language proficiency exam at 2<sup>nd</sup> semester level

#### General Education

##### Exploring Perspectives (12 units)

Artist	3 _____
Humanist	3 _____
Social Scientist	3 _____
Natural Scientist	3-4 _____
<u>MCB 181R OR CHEM 151</u>	3-4 _____

##### Building Connections (6 units)

_____	3 _____
_____	3 _____

##### Civic Institutions (3 units)

_____	3 _____
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UNIV 101 – Intro to Gen Ed Experience 1 \_\_\_\_\_

UNIV 301 – Gen Ed Portfolio 1 \_\_\_\_\_

Writing Emphasis Course 300/400-LEVEL COURSE 3 \_\_\_\_\_

#### SCIENCE REQUIREMENTS (35 units)

CHEM 151 General Chemistry I	4 _____
CHEM 152 General Chemistry II	4 _____
CHEM 241a Organic Chemistry I Lecture	3 _____
CHEM 243a Organic Chemistry I Lab	1 _____
CHEM 241b Organic Chemistry II Lecture	3 _____
CHEM 243b Organic Chemistry II Lab	1 _____
MCB 181R Introductory Biology I Lecture	3 _____
MCB 181L Introductory Biology I Lab	1 _____
ECOL 182R Introductory Biology II Lecture	3 _____
ECOL 182L Introductory Biology II Lab	1 _____
PHYS 110 Introductory Studio Physics I	4 _____
PHYS 111 Introductory Studio Physics II	4 _____
BIOC 384 Foundations in Biochemistry	3 _____
OR BIOC 385 Metabolic Biochemistry	3 _____
OR ACBS 445 Nutritional PSIO + Metabolic BIOC	3 _____

#### MATHEMATICS REQUIREMENTS (6-8 units)

##### 1) Calculus I or Mathematics of the Biological Systems

MATH 122a and MATH 122b	1/4 _____
OR MATH 125	3 _____
OR MATH 119a	4 _____

##### 2) Calculus II or Biostatistics

MATH 129	3 _____
OR MATH 263 OR BIOS 376 OR ECOL 379	3 _____

#### PHYSIOLOGY AND MEDICAL SCIENCES MAJOR (36 units)

##### Required Courses (14 units)

PSIO 201 Human Anatomy & Physio I (F, SP, SSI)	4 _____
PSIO 202 Human Anatomy & Physio II (F, SP, SSI)	4 _____
PSIO 303 Integrative Cellular Physio (F only)	3 _____
PSIO 305 Integrative System Physio (SP only)	3 _____

**\*Students must complete both PSIO 201 and PSIO 202 before being eligible to enroll in any 300/400-level PSIO courses**

##### Medical Sciences (22 units)

###### Emphasis Requirements

##### I. Choose two of the following courses (6 units)

PSIO 101 Tackling Physiological Topics in Today's Society	3 _____
PSIO 411 Scientific Methods and Professional Ethics	3 _____
PSIO 420 Exercise Physiology	3 _____
PSIO 427 Metabolism and Disease	3 _____
PSIO 429 Muscle Physiology	3 _____
PSIO 431 Physiology of the Immune System	3 _____
PSIO 441 Musculoskeletal Kinesiology	3 _____
PSIO 442 Biomechanics of Human Movement	3 _____
PSIO 450 Respiratory Physiology	3 _____
PSIO 452 Digestive Physiology	3 _____
PSIO 465 Neurophysiology	3 _____
PSIO 467 Endocrine Physiology	3 _____
PSIO 469 Reproductive Physiology	3 _____
PSIO 485 Cardiovascular Physiology	3 _____
PSIO 487 Physiology of Aging	3 _____
PSIO 489 Current Topics in Physiology	3 _____

##### II. Choose two of the following courses (6 units)

CMM 401 Gross Anatomy	3 _____
CMM 410 Human Histology: An Intro to Pathology	3 _____
CMM 465A Fundamentals of Light Microscopy	3 _____
IMB 401 Medical Microbiology and Immunology	3 _____
PCOL 434 Pharmacology of Sex	3 _____
PHCL 412 Introduction to Pharmacology	3 _____
PHCL 422 Introduction to Toxicology	3 _____
PHCL 430 Pain Neuropharmacology	2 _____
PHCL 442 Human Performance Pharmacology	3 _____

##### III. Additional Required Major Electives (10 units)

###### Lectures (complete at least 6 units from [approved list](#))

Elective Course _____	1-4 _____
Elective Course _____	1-4 _____
Elective Course _____	1-4 _____

###### Any major elective (complete at least 4 units from [approved list](#))

Elective Course _____	1-4 _____
Elective Course _____	1-4 _____
Elective Course _____	1-4 _____

<b>Graduation Requirements</b>	
120 units _____	42 UD units _____
2.0+ cumulative GPA _____	2.0 major GPA _____
Most students will need additional electives to complete their total units for graduation. Talk with your advisor to plan for what you need!	