THE UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE TUCSON
Physiology

BACHELOR OF SCIENCE IN HEALTH SCIENCES – PHYSIOLOGY AND MEDICAL SCIENCES
For students starting in the 2026-2027 academic year

UNIVERSITY REQUIREMENTS

University Composition Requirement **(3-6 units)**
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 2nd semester level
B) Pass a language proficiency exam at 2nd semester level

General Education
Exploring Perspectives **(12 units)**
Artist
_____ 3 _____
Humanist
_____ 3 _____
Social Scientist
_____ 3 _____
Natural Scientist
MCB 181R OR CHEM 151 _____ 3-4 _____

Building Connections **(6 units)**
_____ 3 _____
_____ 3 _____

Civic Institutions **(3 units)**
_____ 3 _____

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
OR BIOC 385 Metabolic Biochemistry 3 _____
OR ACBS 445 Nutritional PSIO + Metabolic BIOC

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, SSII) 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**

Physiological Research and Innovation (22 units)
Emphasis Requirements

I. Required Core – complete three courses (8-9 units)
PSIO 411 Sci Methods and Professional Ethics **and** 3_____
PSIO 295R **or** PSIO 496R **and** 2-3_____
Individual Studies 3_____

II. Emphasis Electives (3-4 units)
PSIO 399/399H Independent Study 3_____
PSIO 499/499H Independent Study 3_____
PSIO 492 Directed Research 3_____
PSIO 498H Honors Thesis 3_____
PSIO 411 Sci Methods and Professional Ethics 3_____
PSIO 496R Current Research in PSIO and Biomed Sci 3_____
BME 481A Innovation, Translation, and Entrepreneurship 3_____
PSIO 429 Muscle Physiology 3_____
PSIO 431 Physiology of the Immune System 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 472 Quantitative Modeling of Bio Systems 3_____
PSIO 484 Cardiovascular Muscle Bio Systems 3_____
PSIO 485 Cardiovascular Physiology 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_____

Graduation Requirements
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!