



UNIVERSITY OF ARIZONA
COLLEGE OF MEDICINE, Department of Physiology
PHYSIOLOGY & MEDICAL SCIENCES MAJOR
Bachelor of Science in Health Sciences with a major in Physiology & Medical Sciences

Plan #2B – **Sample Program of Study
for students entering in 2019-2020 academic year

PLAN #2B

The following study program is recommended for students with at least a 50 score on ALEKS PPL Assessment or 590 SAT or 24 ACT permitting enrollment in MATH 112 and CHEM 151.

FRESHMAN YEAR

(Student Enrolls in the College of Medicine as a Physiology Major)

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
ENGL 101 - First-Year Composition 1	3	ENGL 102 - First-Year Composition 2	3
MATH 112 – College Algebra	3	MATH 120R – Calculus Preparation	4
CHEM 151 - General Chemistry 1 Lecture/Lab	4	CHEM 152 - General Chemistry 2 Lecture/Lab	4
*General Education Tier 1 (150# or 160#)	3	*General Education Tier 1 (150# or 160#)	3
*General Education Tier 1 (150# or 160#)	3		
Total	16 (0)	Total	14 (0)

SOPHOMORE YEAR

(Student applies for Physiology Advanced Standing status upon enrolling in PSIO202)

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
MATH 122A/122B	1/4	2 nd MATH (MATH129, MATH263 or BIOS376)	3
CHEM 241a - Organic Chemistry 1 Lecture	3	CHEM 241b - Organic Chemistry 2 Lecture	3
CHEM 243a - Organic Chemistry 1 Lab	1	CHEM 243b - Organic Chemistry 2 Lab	1
PSIO 201 - Human Anatomy & Physiology 1	4	PSIO 202 - Human Anatomy & Physiology 2	4
*General Education Tier 1 (150# or 160#)	3	*General Education Tier 2	3
Total	16 (0)	*General Education Tier 2 (or PSIO295H for honors)	3
		Total	17 (0)

JUNIOR YEAR

(Student has applied for Admission to the Physiology Major) (Honors students start prospectus search)

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
PHYS 102 - Introductory Physics 1 Lecture	3	PHYS 103 - Introductory Physics 2 Lecture	3
PHYS 181 - Introductory Physics 1 Lab	1	PHYS 182 - Introductory Physics 2 Lab	1
MCB 181R - Introductory Biology 1 Lecture	3	ECOL 182R - Introductory Biology 2 Lecture	3
MCB 181L - Introductory Biology 1 lab	1	ECOL 182L - Introductory Biology 2 Lab	1
PSIO 303 – Integrative Cellular Physiology	3 (3)	PSIO 305 – Integrative Systems Physiology	3 (3)
PSIO Major Elective (List A)	3 (3)	PSIO Major Elective (List A)	3 (3)
Total	14 (6)	General Education Tier 2	3
		Total	17 (6)

SENIOR YEAR

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
BIOC384 or BIOC385 - Biochemistry	3 (3)	PSIO Major Elective (List A)	3 (3)
PSIO Major Elective (List A)	3 (3)	PSIO Major Elective (List A/B/C)	3 (3)
PSIO Major Elective (List A/B/C)	3 (3)	PSIO Major Elective (List A/B/C)	3 (3)
PSIO Major Elective (List A)	3 (3)	General Elective (approved by advisor)	3 (3)
General Elective (approved by advisor)	3 (3)	General Elective (approved by advisor)	3 (3)
Total	15 (15)	Total	15 (15)

***General Education Courses:**

Tier One: Two courses from the **Traditions and Cultures** (160 category) and two courses from the **Individuals and Societies** (150 category).

Tier Two: 3 units in **Arts**, one course in **Humanities**, and one course in **Individuals and Societies**.

Diversity: One general elective course must focus either on a non-western culture, race, gender, class, or ethnicity.

TOTAL UNITS REQUIRED FOR DEGREE = 120

A minimum of 42 upper-division (UD) units (300 & 400 level) are required for graduation.

****Honors Students:** Recommend PSIO295H to be taken sophomore year. And PSIO495H and 1st semester Honors Thesis (PSIO498H) to be taken concurrently. Please plan accordingly.

****Note:** This *Sample* schedule is only suggestive. Transfer credit and prerequisites could alter actual course schedules.