



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

**Plan #1 – \*\*Sample Program of Study**  
**for students entering in 2019-2020 academic year**

**PLAN #1**  
 The following study program is recommended for students with **at least a 75 score on ALEKS PPL Assessment or 660 SAT or 28 ACT** permitting enrollment in **MATH 122A/122B (Calculus 1)**.

**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 122A/122B – Calculus 1	1/4	2 <sup>nd</sup> MATH (MATH 129, MATH263 or BIOS376)	3
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
<b>Total</b>	<b>15 (0)</b>	*General Education Tier 1 (150# or 160#)	3
		<b>Total</b>	<b>16 (0)</b>

**SOPHOMORE YEAR**

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

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
CHEM 241a - Organic Chemistry 1 Lecture	3	CHEM 241b - Organic Chemistry 2 Lecture	3
CHEM 243a - Organic Chemistry 1 Laboratory	1	CHEM 243b - Organic Chemistry 2 Laboratory	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
*General Education Tier 2	3	*General Education Tier 2	3
<b>Total</b>	<b>14 (0)</b>	**PSIO295H (Honors Students)	(2)
		<b>Total</b>	<b>14-16 (0)</b>

**JUNIOR YEAR**

*(Student has applied for Advanced Standing status) (Honors students start prospectus search)*

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
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)
PHYS 102 - Introductory Physics 1 Lecture	3	PHYS 103 - Introductory Physics 2 Lecture	3
PHYS 181 - Introductory Physics 1 Laboratory	1	PHYS 182 - Introductory Physics 2 Laboratory	1
MCB 181R - Introductory Biology 1 Lecture	3	ECOL182R - Introductory Biology 2 Lecture	3
MCB 181L - Introductory Biology 1 Laboratory	1	ECOL 182L - Introductory Biology 2 Lab	1
<b>Total</b>	<b>14 (6)</b>	PSIO Major Elective (List A)	3
		<b>Total</b>	<b>17 (6)</b>

**SENIOR YEAR**

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

\*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: Three units in **Arts**, one course in **Humanities**, and one course in **Individuals and Societies**.

Diversity: One 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 course to be taken sophomore year. And PSIO495H Thesis Preparation course and 1<sup>st</sup> semester Honors Thesis (PSIO498H) be taken concurrently. Please plan accordingly.

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