



**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 #3A – \*\*Sample Program of Study**  
**for students entering in 2019-2020 academic year**

**PLAN #3A**

**The following study program is recommended for students whose performance is at least a 40 score on ALEKS PPL Assessment or 550 SAT or 23 ACT permitting enrollment in MATH 112 and MCB 181R and MCB 181L.**

**FRESHMAN YEAR**

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

<b><u>First Semester</u></b>	<b><u>Units /UD</u></b>	<b><u>Second Semester</u></b>	<b><u>Units /UD</u></b>
ENGL 101 - First-Year Composition 1	3	ENGL 102 - First-Year Composition 2	3
MATH 112 – College Algebra	3	MATH 120R – Calculus Preparation	4
MCB 181R - Introductory Biology 1 Lecture	3	CHEM151 – General chemistry 1 Lecture/Lab	4
MCB 181L - Introductory Biology 1 Lab	1	*General Education Tier I (150# or 160#)	3
*General Education (150# or 160#)	3	*General Education Tier I (150# or 160#)	3
Freshman Colloquium	1	<b>Total</b>	<b>17 (0)</b>
<b>Total</b>	<b>14 (0)</b>		

**SOPHOMORE YEAR**

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

<b><u>First Semester</u></b>	<b><u>Units /UD</u></b>	<b><u>Second Semester</u></b>	<b><u>Units /UD</u></b>
MATH 122A/122B – Calculus 1	1/4	2 <sup>nd</sup> MATH (MATH129, MATH263 or BIOS376)	3
CHEM 152 - General Chemistry 2 Lecture/Lab	4	ECOL182R/L – General Biology 2 Lecture/Lab	3/1
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
<b>Total</b>	<b>16 (0)</b>	*General Education Tier 2 (or PSIO295H)	3
		<b>Total</b>	<b>17 (0)</b>

**JUNIOR YEAR**

*(Student has applied for Advanced Standing status)*

*(Honors students start prospectus search)*

<b><u>First Semester</u></b>	<b><u>Units /UD</u></b>	<b><u>Second Semester</u></b>	<b><u>Units /UD</u></b>
PSIO 303 – Integrated Cellular Physiology	3 (3)	PSIO 305 – Integrated Systems Physiology	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
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
*General Education Tier 2 (300 level)	3 (3)	PSIO Major Elective (List A)	3 (3)
<b>Total</b>	<b>14 (6)</b>	<b>Total</b>	<b>14 (6)</b>

**SENIOR YEAR**

<b><u>First Semester</u></b>	<b><u>Units /UD</u></b>	<b><u>Second Semester</u></b>	<b><u>Units /UD</u></b>
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)	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 (300 or 400 level)	3 (3)	General Elective (300 or 400 level)	3 (3)
<b>Total</b>	<b>15 (15)</b>	<b>Total</b>	<b>15 (15)</b>

**\*General Education Courses:**

**Tier One:** Two courses in **Traditions and Cultures** (160 category) and two courses in **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 be taken in sophomore year. And PSIO495H Senior Thesis Preparation course and 1st semester Honors Thesis (PSIO498H) to be taken concurrently in senior year. Please plan accordingly.

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