



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 #2A - \*\*Sample Program of Study**  
for students entering in 2019-2020 academic year

**PLAN #2A**

The following study program is recommended for students with **at least a 60 score on ALEKS PPL Assessment or 640 SAT or 26 ACT** permitting enrollment in **MATH 120R & 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 120R – Calculus Preparation	4	MATH 122A/122B – Calculus 1	1/4
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
Freshman Colloquium	1		
<b>Total</b>	<b>15 (0)</b>	<b>Total</b>	<b>15 (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>
2 <sup>nd</sup> MATH (MATH 129, MATH263 or BIOS376)	3	CHEM 241b - Organic Chemistry 2 Lecture	3
CHEM 241a - Organic Chemistry 1 Lecture	3	CHEM 243b - Organic Chemistry 2 Lab	1
CHEM 243a - Organic Chemistry 1 Lab	1	PSIO 202 - Human Anatomy & Physiology 2	4
PSIO 201 - Human Anatomy & Physiology 1	4	*General Education Tier 1 (150# or 160#)	3
*General Education Tier 1 (150# or 160#)	3	*General Education Tier 2	3
<b>Total</b>	<b>14 (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)*

<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)
*General Education Tier 2	3	PSIO Major Elective (List A)	3 (3)
PSIO Major Elective (List A)	3 (3)	PSIO Major Elective (List A)	3
<b>Total</b>	<b>17 (6)</b>	<b>Total</b>	<b>17 (6)</b>

**SENIOR YEAR**

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
BIOC 384 or BIOC 385 - 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)	General Elective (300 or 400 level)	3 (3)
PSIO Major Elective (List A/B/C)	3 (3)	General Elective (300 or 400 level)	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 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 Thesis Preparation course and 1<sup>st</sup> 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.