



UNIVERSITY OF ARIZONA  
COLLEGE OF MEDICINE, Department of Physiology

**PHYSIOLOGY UNDERGRADUATE MAJOR**  
*Bachelor of Science in Health Sciences degree with a major in Physiology*

**Plan #3B – \*\*Sample Program of Study**  
for students entering in 2017-2018 academic year

**PLAN #3B**

The following study program is recommended for students whose performance on the ALEKS math placement test is at least 40 - 44% on Prep for Calculus, permitting them to enroll in MATH 112 and ECOL182R & ECOL182L but not MCB 181R & MCB 181L.

**FRESHMAN YEAR**

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

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
ENGL 101 - First-Year Composition I	3	ENGL 102 - First-Year Composition II	3
MATH 112 – College Algebra	3	MATH120R – Calculus Preparation	4
ECOL 182R - General Biology II Lecture	3	CHEM151 – General Chemistry I Lecture/Lab	4
ECOL 182L - Introductory Biology II Lab	1	MCB 181R - Introductory Biology I Lecture	3
*General Education Tier I (150# or 160#)	3	MCB181L – Introductory Biology I Lab	1
*General Education Tier I (150# or 160#)	3		
<b>Total</b>	<b>16 (0)</b>	<b>Total</b>	<b>15 (0)</b>

**SOPHOMORE YEAR**

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

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
MATH 122A/122B – Calculus I	1/4	2 <sup>nd</sup> MATH (MATH129, MATH263 or BIOS376)	3
CHEM 152 - General Chemistry II Lecture/Lab	4	PSIO 202 – Human Anatomy & Physiology II	4
PSIO 201 - Human Anatomy & Physiology I	4	*General Education Tier I (150# or 160#)	3
*General Education Tier I (150# or 160#)	3	*General Education Tier II	3
		*General Education Tier II (or PSIO295H)	3
<b>Total</b>	<b>16 (0)</b>	<b>Total</b>	<b>16 (0)</b>

**JUNIOR YEAR**

*(Student has applied for Admission to the Physiology Major)*

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
PSIO 303 – Integrated Cellular Physiology	3 (3)	PSIO 305 – Integrated Systems Physiology	3 (3)
PHYS 102 - Introductory Physics I Lecture	3	PHYS 103 - Introductory Physics II Lecture	3
PHYS 181 - Introductory Physics I Laboratory	1	PHYS 182 - Introductory Physics II Laboratory	1
CHEM 241a – Organic Chemistry I Lecture	3	CHEM 241b - Organic Chemistry II Lecture	3
CHEM 243a - Organic Chemistry I Laboratory	1	CHEM 243b - Organic Chemistry II Laboratory	1
*General Education Tier II	3 (3)	PSIO or General Elective (approved by advisor)	3 (3)
<b>Total</b>	<b>14 (6)</b>	<b>Total</b>	<b>14 (6)</b>

**SENIOR YEAR**

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
BIOC 384 or 385 – Biochemistry	3 (3)	PSIO Elective (or PSIO498H for honors)	3 (3)
PSIO Elective (or PSIO495H for honors)	3 (3)	PSIO Elective	3 (3)
PSIO Elective (or PSIO498H for honors)	3 (3)	PSIO Elective	3 (3)
PSIO or General Elective (approved by advisor)	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 in Traditions and Cultures (160 category) and two courses in Individuals and Societies (150 category).

**Tier Two:** One course in Arts, one 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.

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