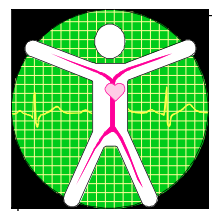


**MATH100 & ECOL182R/L**

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

**PLAN #4**

The following study program is recommended for students whose performance on the ALEKS math placement test is at least 30% on **Prep for College Algebra** or 20% on **Prep for Calculus** permitting them to enroll in a MATH 100.

**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>
MATH 100	3	MATH112	3
ENGL 101 - First-Year Composition 1	3	ENGL 102 - First-Year Composition 2	3
ECOL182R/L – General Biology II Lecture/Lab	3/1	MCB181R General Biology 1 Lecture	3
Second Language	4	MCB181L General Biology I Lab	1
Freshman Colloquium	1	*General Education Tier I (150# or 160#)	3
		*General Education Tier I (150# or 160#)	3
<b>Total</b>	<b>15 [0]</b>	<b>Total</b>	<b>16 [0]</b>

**SOPHOMORE YEAR**

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
MATH 120R – Calculus Preparation	4	MATH 122A/122B – Calculus 1	1/4
PSIO 201 - Human Anatomy & Physiology 1	4	PSIO 202 - Human Anatomy & Physiology 2	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 2 (300 or 400 level)	3 [3]
*General Education Tier 1 (150# or 160#)	3	PSIO295H (Honors Students)	(2)
<b>Total</b>	<b>18 [0]</b>	<b>Total</b>	<b>16-18 [3]</b>

**JUNIOR YEAR**

*(Student Applies 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>
2 <sup>nd</sup> MATH (MATH129, MATH263 or BIOS376)	3	CHEM 241b – Organic Chemistry 2 Lecture	3
CHEM 241a – Organic Chemistry 1 Lecture	3	CHEM 243b – Organic Chemistry 2 Laboratory	1
CHEM 243a – Organic Chemistry 1 Laboratory	1	PHYS 102 - Introductory Physics 1 Lecture	3
*General Education Tier 2	3	PHYS 181 - Introductory Physics 1 Laboratory	1
General Elective (approved by advisor)	3 [3]	PSIO 305 – Integrated Systems Physiology	3 [3]
General Elective (approved by advisor)	3 [3]	*General Education Tier 2	3 [3]
<b>Total</b>	<b>16 [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>
PHYS 103 - Introductory Physics 2 lecture	3	PSIO Major Elective ( <i>or PSIO498 for honors</i> )	3 [3]
PHYS 182 - Introductory Physics 2 Laboratory	1	PSIO Major Elective	3 [3]
PSIO 303 - Integrated Cellular Physiology	3 [3]	PSIO Major Elective	3 [3]
PSIO Major Elective ( <i>or PSIO495H for honors</i> )	3 [3]	BIOC 384 or BIOC 385 - Biochemistry	3 [3]
PSIO Major Elective ( <i>or PSIO498H for honors</i> )	3 [3]	General Elective (approved by advisor)	3 [3]
PSIO Major Elective	3 [3]	<b>Total</b>	<b>15 [15]</b>
<b>Total</b>	<b>16 [12]</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 course must focus either on a non-western culture, race, gender, class, or ethnicity. Some Tier 1 & 2 courses apply.

**TOTAL UNITS REQUIRED FOR DEGREE = 120**

A **minimum** of 42 upper-division [UD] units (300 & 400 level courses) 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.