



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

PLAN #3A

The following study program is recommended for students whose performance on the ALEKS math placement test is at least 55% on Prep for College Algebra and 45% on Prep for Calculus, permitting them to enroll in MATH 112 and MCB 181R and 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	MATH 120R – Calculus Preparation	4
MCB 181R - Introductory Biology I Lecture	3	CHEM151 – General chemistry I Lecture/Lab	4
MCB 181L - Introductory Biology I Lab	1	*General Education Tier I (150# or 160#)	3
*General Education Tier I (150# or 160#)	3	*General Education Tier I (150# or 160#)	3
Freshman Colloquium	1		
Total	14 (0)	Total	17 (0)

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 nd MATH (MATH129, MATH263 or BIOS376)	3
CHEM 152 - General Chemistry II Lecture/Lab	4	ECOL182R/L – General Biology II Lecture/Lab	3/1
PSIO 201 - Human Anatomy & Physiology I	4	PSIO 202 – Human Anatomy & Physiology II	4
*General Education Tier I (150# or 160#)	3	*General Education Tier II	3
Total	16 (0)	*General Education Tier II (or PSIO295H)	3
		Total	17 (0)

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)	BIOC384 or 385 - Biochemistry	3 (3)
Total	14 (6)	Total	14 (6)

SENIOR YEAR

<u>First Semester</u>	<u>Units /UD</u>	<u>Second Semester</u>	<u>Units /UD</u>
PSIO or General Elective (approved by advisor)	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)
Total	15 (15)	Total	15 (15)

***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.