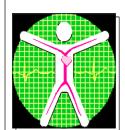
MATH120R & CHEM151



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 /</u>	<u>UD</u>	Second Semester	<u>Units</u>	<u>/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		Total	15	(0)
Total	15	(0)			

SOPHOMORE YEAR

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

<u>First Semester</u>	<u>Units</u>	<u>/UD</u>	Second Semester	<u>Units</u>	<u>/UD</u>
2 nd 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	
Total	14	(0)	*General Education Tier 2 (or PSIO295H)	3	
			Total	17	(0)

JUNIOR YEAR

(Student has applied for Advanced standing	ng status)	(Honors students start prospectus search)
First Semester	Units /UD	Second Semester
DUVE 102 Introductory Dhysics 1 Lacture	2	DHVC 102 Introductory Dhysics 2 Lacture

(a tribute tribute trip p tribute j a t a a a a a a a a a a a a a a a a a	0	(===::================================		
<u>First Semester</u>	Units /UD	Second Semester	<u>Units</u>	<u>/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)	<u>3</u> (3)	PSIO Major Elective (List A)	3_	
Total	17 (6)	Total	17	(6)

SENIOR YEAR

DETIGN TEXTS							
First Semester		Units /UD		Second Semester		<u>Units</u> / <u>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)
	Total	15	(15)		Total	15	(15)

^{*}General Education Courses:

Tier One: Two courses from the **Traditions and Cultures** (160 category) and two courses from the **Individuals and Societies** (150 category).

<u>Tier Two:</u> 3 units in **Arts**, one course in **Humanities**, and one course in **Individuals and Societies**.

<u>Diversity:</u> 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 1st semester Honors Thesis (PSIO498H) to be taken concurrently. Please plan accordingly.

**<u>Note</u>: This *Sample* schedule is only suggestive. Transfer credit and prerequisites could alter actual course schedules.

Plan #2A March 2019/jwl