



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 #3B – \*\*Sample Program of Study**  
for students entering in 2019-2020 academic year

**PLAN #3B**

The following study program is recommended for students with **at least a 40 score on ALEKS PPL Assessment or 5560 SAT or 23 ACT permitting enrollment in MATH 112 and ECOL182R & ECOL182L but not MCB 181R & MCB 181L.**

**FRESHMAN YEAR**

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

| <b><u>First Semester</u></b>             | <b><u>Units /UD</u></b> | <b><u>Second Semester</u></b>             | <b><u>Units /UD</u></b> |
|--|-------------------------|---|-------------------------|
| ENGL 101 - First-Year Composition 1      | 3                       | ENGL 102 - First-Year Composition 2       | 3                       |
| MATH 112 – College Algebra               | 3                       | MATH120R – Calculus Preparation           | 4                       |
| ECOL 182R - General Biology 2 Lecture    | 3                       | CHEM151 – General Chemistry 1 Lecture/Lab | 4                       |
| ECOL 182L - Introductory Biology 2 Lab   | 1                       | MCB 181R - Introductory Biology 1 Lecture | 3                       |
| *General Education Tier 1 (150# or 160#) | 3                       | MCB181L – Introductory Biology 1 Lab      | 1                       |
| *General Education Tier 1 (150# or 160#) | 3                       |   |                         |
| <b>Total</b>                             | <b>16 (0)</b>           | <b>Total</b>                              | <b>15 (0)</b>           |

**SOPHOMORE YEAR**

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

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

**JUNIOR YEAR**

*(Student has applied for Advanced standing status)*

*(Honors students start prospectus search)*

| <b><u>First Semester</u></b>                     | <b><u>Units /UD</u></b> | <b><u>Second Semester</u></b>                   | <b><u>Units /UD</u></b> |
|--|-------------------------|---|-------------------------|
| <b>PSIO 303</b> – Integrated Cellular Physiology | 3 (3)                   | <b>PSIO 305</b> – Integrated Systems Physiology | 3 (3)                   |
| PHYS 102 - Introductory Physics 1 Lecture        | 3                       | PHYS 103 - Introductory Physics 2 Lecture       | 3                       |
| PHYS 181 - Introductory Physics 1 Laboratory     | 1                       | PHYS 182 - Introductory Physics 2 Laboratory    | 1                       |
| CHEM 241a – Organic Chemistry 1 Lecture          | 3                       | CHEM 241b - Organic Chemistry 2 Lecture         | 3                       |
| CHEM 243a - Organic Chemistry 1 Laboratory       | 1                       | CHEM 243b - Organic Chemistry 2 Laboratory      | 1                       |
| *General Education Tier 2 (300 level)            | 3 (3)                   | <b>PSIO Major Elective (List A)</b>             | 3 (3)                   |
| <b>Total</b>                                     | <b>14 (6)</b>           | <b>Total</b>                                    | <b>14 (6)</b>           |

**SENIOR YEAR**

| <b><u>First Semester</u></b>            | <b><u>Units /UD</u></b> | <b><u>Second Semester</u></b>           | <b><u>Units /UD</u></b> |
|---|-------------------------|---|-------------------------|
| BIOC 384 or 385 – Biochemistry          | 3 (3)                   | <b>PSIO Major Elective (List A)</b>     | 3 (3)                   |
| <b>PSIO Major Elective (List A)</b>     | 3 (3)                   | <b>PSIO Major Elective (List A/B/C)</b> | 3 (3)                   |
| <b>PSIO Major Elective (List A)</b>     | 3 (3)                   | <b>PSIO Major Elective (List A/B/C)</b> | 3 (3)                   |
| <b>PSIO Major Elective (List A/B/C)</b> | 3 (3)                   | <b>PSIO Major Elective (List A)</b>     | 3 (3)                   |
| General Elective (300 or 400 level)     | 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:** Three units in **Arts**, one course 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.

**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.