



NAME \_\_\_\_\_ ID# \_\_\_\_\_ Date \_\_\_\_\_

## GENERAL EDUCATION REQUIREMENTS

### English Composition\*

ENGL 101 or 107 ..... 3 \_\_\_\_\_  
ENGL 102 or 108 ..... 3 \_\_\_\_\_

OR

ENGL 109H ..... 3 \_\_\_\_\_

### Second Language

2<sup>nd</sup> semester proficiency\*\* ..... \_\_\_\_\_

### Mathematics

MATH 113: Elements of Calculus ..... 3 \_\_\_\_\_  
*MATH 122A+B, 125, or 129 may also fulfill this requirement*

### Individuals & Societies (3 courses)\*\*\*

Tier One (150A, B or C) ..... 3 \_\_\_\_\_  
Tier One (150A, B or C) ..... 3 \_\_\_\_\_  
Tier Two Individuals & Societies ..... 3 \_\_\_\_\_

### Traditions & Cultures/Humanities (3 courses)\*\*\_

Tier One (160A, B, C or D) ..... 3 \_\_\_\_\_  
Tier One (160A, B, D or D) ..... 3 \_\_\_\_\_  
Tier Two Humanities ..... 3 \_\_\_\_\_

### Tier Two Art (3 units total)

\_\_\_\_\_ 3 \_\_\_\_\_

### Diversity Emphasis Course

One course required. May be double-dipped with approved Tier I or II courses \_\_\_\_\_

### Natural Sciences

Requirement satisfied by BSPS major coursework.

## BSPS FOUNDATION COURSES

### Chemistry (General & Organic, with labs)\*

CHEM 151 OR (161+163) OR (141+143) ..... 4 \_\_\_\_\_  
CHEM 152 OR (162+164) OR (142+144) ..... 4 \_\_\_\_\_  
CHEM 241A & 243A ..... 3 \_\_\_\_\_ 1 \_\_\_\_\_  
CHEM 241B & 243B ..... 3 \_\_\_\_\_ 1 \_\_\_\_\_

### Introductory Biology, with labs\*

MCB 181R & 181L ..... 3 \_\_\_\_\_ 1 \_\_\_\_\_  
~~ECOL 182R & 182L~~ ..... 3 \_\_\_\_\_ 1 \_\_\_\_\_

(ECOL requirement is being eliminated, effective in Fall 2020)

### Microbiology, with lab

MIC 205A & 205L ..... 3 \_\_\_\_\_ 1 \_\_\_\_\_

### Physics, with lab

PHYS 102 & 181 ..... 3 \_\_\_\_\_ 1 \_\_\_\_\_

### Physiology

PSIO 380 ..... 4 \_\_\_\_\_

OR

PSIO 201 ..... 4 \_\_\_\_\_

PSIO 202 ..... 4 \_\_\_\_\_

*PSIO 201 + 202 option is required for PharmD admission*

### Biochemistry

BIOC 384 ..... 3 \_\_\_\_\_

*BIOC 385 or 462B can also fulfill this requirement*

## PHARMACEUTICAL SCIENCES CORE

PCOL 305: Scientific Writing for Health Sciences..... 3 \_\_\_\_\_

PCOL 310: Drug Approval: The 3 Billion Dollar Bet..... 2 \_\_\_\_\_

PCOL 350: ADME: How the Body Changes Drugs..... 3 \_\_\_\_\_

PCOL 355: Drug Delivery Systems..... 3 \_\_\_\_\_

PCOL 390: Biomarkers: Analysis of Drug Effect/Tox... 3 \_\_\_\_\_

PCOL 406: Comprehensive Human Pharmacology..... 5 \_\_\_\_\_

PCOL 410: Integrated Medicinal Chemistry..... 5 \_\_\_\_\_

PCOL 440: Rigor & Reproducibility..... 2 \_\_\_\_\_

PCOL 473: Pharmacogenomics..... 3 \_\_\_\_\_

PHCL 460: Designing Drugs: From Chemistry to Cure.. 3 \_\_\_\_\_

### UNIVERSITY REQUIREMENTS:

2.00+ cumulative GPA \_\_\_\_\_ 2.00+ major GPA \_\_\_\_\_

120 total units \_\_\_\_\_ 42 upper division units \_\_\_\_\_

*\*Required courses for the BSPS do not add up to 120/42 units. All students need some upper division and general electives.*

MCWA complete \_\_\_\_\_ Final 18 of 30 units complete \_\_\_\_\_

30+ total UA units \_\_\_\_\_ 18+ PCOL units at UA \_\_\_\_\_

### ADDITIONAL REQUIREMENTS FOR MEDICAL AND PHARMACY SCHOOL

Most medical and pharmacy schools require the following additional courses, but individual schools may have additional requirements. Check each school of interest for details.

**Pre-Med students** should add the following courses to their BSPS plan:

PHYS 103&182 \_\_\_\_\_ PSY 150A1 (as a Tier I INDV) \_\_\_\_\_  
Statistics (MATH 263 recommended) \_\_\_\_\_

**UA Pre-PharmD students** must add the following courses to the BSPS plan:

Statistics \_\_\_\_\_ PSIO 201 + 202 in lieu of PSIO 380 \_\_\_\_\_

\*ENGL, MATH, CHEM, and MCB courses must be completed with grades of C or higher prior to advancing from Pre-Pharmaceutical Sciences to Pharmaceutical Sciences. Other admission requirements apply.

\*\*Language proficiency may be fulfilled by successfully completing a course at the 2nd semester level or higher, or by placing into 3rd semester language on a PROCTORED placement exam.

\*\*\*Honors students may choose to take two Tier II INDV and one Tier I INDV, and/or two Tier II HUMS + one Tier I TRAD in lieu of the options outlined above. The same number of courses are required for honors and non-honors students, but honors students may place more emphasis on Tier II courses.