

Bachelor of Science in Medical Pharmacology & Toxicology

Pre-Med Pathway: Fall 2026

This is a **SAMPLE PLAN**. Your plan may look different, depending upon your placement scores, transfer credit, and career goals. Work with your advisor to develop an individualized course plan.

SEMESTER 1

MATH 112: <i>College Algebra</i>	3
CHEM 151: <i>General Chemistry I</i>	4
WRIT 101: <i>English Composition I</i>	3
Second Language – 1 st -semester level	4
UNIV 101: <i>Intro to General Education</i>	1
PCOL 196D: <i>Intro to Pharmaceutical Sciences</i> [~]	1
	16

SEMESTER 2

CHEM 152: <i>General Chemistry II</i>	4
WRIT 102: <i>English Composition II</i>	3
MCB 181R +181L: <i>Introductory Biology I + lab</i>	4
Second Language – 2 nd -semester level	4
	15

SEMESTER 3

CHEM 241A+243A: <i>Organic Chemistry I + lab</i>	4
PSIO 201: <i>Human Anatomy & Physiology I</i>	4
PCOL Major Elective	3
MATH 263 or BIOS 376: <i>Biostatistics</i> [#]	3
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SEMESTER 4

CHEM 241B+243B: <i>Organic Chemistry II + lab</i>	4
PSIO 202: <i>Human Anatomy & Physiology II</i>	4
Pharmacology Major Emphasis Course	3
PSY 101: <i>Introduction to Psychology</i> ^{**}	3
Humanist gen ed [*]	3
	17

SEMESTER 5

ECOL 182R + 182L: <i>Introductory Biology II</i>	4
PCOL 406: <i>Comprehensive Human Pharmacology</i>	5
Pharmacology Major Emphasis Course	3
PHYS 110: <i>Introductory Physics I</i> [#]	4
	16

SEMESTER 6

BIOC 384 or 385: <i>Biochemistry</i>	3
PCOL 350: <i>Human ADME & Toxicology</i>	3
Toxicology Major Emphasis Course	3
PHYS 111: <i>Introductory Physics II</i> [#]	4
Artist gen ed [*]	3
	16

SEMESTER 7

PCOL 305: <i>Scientific Writing for Health Sciences</i>	3
Pharmacology Major Emphasis Course	3
PCOL Major Elective	3
Building Connections gen ed [*]	3
Building Connections gen ed [*]	3
	15

SEMESTER 8

Toxicology Major Emphasis Course	3
PCOL 473: <i>Pharmacogenomics</i> [#]	3
PCOL Major Elective	3
Building Connections gen ed [*] (upper-division)	3
UNIV 301: <i>General Education Portfolio</i>	1
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Total Units Required: 120 (42 upper-division)

~ PCOL 196D is recommended for all incoming first-year students, but it is not a required course.

* General education requirements include the following courses:

- UNIV 101 (Intro to General Education) and UNIV 301 (General Education Portfolio)
- FOUR *Exploring Perspectives* Gen Ed courses (Social Scientist, Humanist, Artist, and Scientist) The Scientist requirement is covered by CHEM 151.
- TWO *Building Connections* Gen Ed courses
- ONE *Civics Institutions* Gen Ed course

Common medical school prerequisites have been built into this plan and are marked with the # notation.

- Biostatistics, and physics I & II are not required for the BS in PharmTox, but they are required by many medical schools.
- PSY 101 is an approved Social Scientist gen ed, and it also covers the psychology prerequisite required by many med schools.
- PCOL 473 is an approved PharmTox major elective, and may also cover the genetics requirement at some med schools (including UA-Tucson).

EACH MEDICAL SCHOOL MAY HAVE UNIQUE ADMISSION REQUIREMENTS. CHECK YOUR SCHOOLS OF INTEREST, AND WORK WITH YOUR PHARMTOX ADVISOR TO BUILD ANY ADDITIONAL COURSES INTO YOUR PLAN.