

PHARMACOLOGY AND TOXICOLOGY, B.S.

THREE-YEAR PLAN

Below is a sample 3 year plan for the Pharmacology and Toxicology major, incorporating prerequisites, major coursework, and university-wide breadth and general education requirements. Students interested in graduating in three years should meet with the PharmTox academic advisor early and often to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and other considerations.

While there are many advantages to attending four years of college, including making the most of research and study abroad opportunities, exploring alternative majors, completing additional majors and certificates, developing skills and interests through student groups, and personal growth, students may have various reasons for wanting to graduate in three years, and the PharmTox advisor will work with students to help them prioritize their goals.

This example plan assumes that students will:

- Enter their first year at UW-Madison with at least 25 advanced standing credits (to be able to meet the PharmTox application prerequisite of 60 credits by the start of their second year), including equivalency credit for Introductory Biology (ZOOLOGY/BIOLOGY/BOTANY 151). Entering with fewer credits would require more credits in the fall, spring, and/or summer terms in the first year than in the example plan.
- Place into or are eligible to enroll in MATH 221 for first semester.
- Apply to the PharmTox major during their first year for admission for fall of their second year and have all prerequisite coursework complete by the end of the summer term after the first year.
- Enroll in enough credits each term to earn 120 total credits. Some terms may require more or less credits than the example plan, depending on the number of advanced standing credits a student brings in.

Summer coursework will be required after the first year for students without chemistry advanced standing credits, in order to complete general and organic chemistry before the start of the second year. Other summer coursework is not necessarily required, but may be helpful to alleviate credit loads and course combinations in fall or spring terms.

First Year

Fall	Credits	Spring	Credits	Summer	Credits	Total
MATH 221	5	CHEM 343	3	CHEM 345	3	3
CHEM 109	5	ZOOLOGY/ BIOLOGY/ BOTANY 152	5	CHEM 344	2	2
Communication A	3	Social Science	3-4			
Humanities	3-4	Ethnic Studies	3-4			
16-17		14-16				5

Second Year

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3-4
ANAT&PHY 335	5	PATH 404	3
PHM SCI 558	2	PHM SCI 679	1
STAT 371 or 301	3	PHYSICS 103	4
Research (699) credits	2	Electives in the Major or add'l research credits	2-3
15		13-15	

Third Year

Fall	Credits	Spring	Credits
PHM SCI/ PHM COL- M 521	3	PHM SCI/ PHM COL- M 522	3-4
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHM COL-M/ POP HLTH 625	3	PHM SCI/ M&ENVTOX/ PATH/ PHM COL-M/ POP HLTH 626	3
PHM SCI 623 ¹	3	PHM SCI 679	1
PHYSICS 104	4	GENETICS 466	3
Humanities	3-4	Electives in the Major or add'l research credits	2-3
		Electives	3
16-17		15-17	

Total Credits 94-102

1

PHM SCI/PHM COL-M 521 Pharmacology I and PHM SCI 623 Pharmacology III are taken concurrently/in the same semester; PharmTox students can take PHM SCI 623 Pharmacology III before taking PHM COL-M/PHM SCI 522 Pharmacology II.