PHARMACOLOGY AND TOXICOLOGY, B.S.

FOUR-YEAR PLAN

A minimum of 120 credits is required to earn the BS in Pharmacology and Toxicology. Below are sample four-year plans for the Pharmacology and Toxicology major, incorporating both prerequisites and major coursework. They focus on science coursework sequencing and do not take into account factors such as AP or advance standing credits, additional summer courses, study abroad, or preparing for standardized tests like the MCAT or PCAT.

It is <u>critical</u> that you talk with your advisor about your tentative plan for course sequences and prerequisites, which courses are offered fall vs. spring vs. summer, etc.

EXAMPLE PLAN: CHEM 103/104

Freshman

Fall	Credits Spring	Credits
CHEM 103	4 CHEM 104	5
MATH 221	5 STAT 371	3
Communication A	3 Social Science	3-4
Electives	3-4 Electives	3-4
	15-16	14-16

Sophomore

Fall	Credits	Spring	Credits
CHEM 343	3	345 CHEM 345	3
ZOOLOGY/BIOLOGY/ BOTANY 151 (or Biocore)		5 CHEM 344	2
Ethnic Studies	3-4	ZOOLOGY/BIOLOGY/ BOTANY 152 (or Biocore)	5
Electives	3	3 Humanities	3-4
	14-15	5	13-14

Junior

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3
ANAT&PHY 335 (or Biocore)	Ę	5 PATH 404	3
PHM SCI 558	2	PHM SCI 679	1
Humanities	3	PHYSICS 103	4
Research (699) credits	2-3	B Electives in the Major or add'l research credits	2-3
	15-16	;	13-14

Senior

Fall	Credits	Spring	Credits
PHM SCI/PHMCOL- M 521	3	PHM SCI/PHMCOL- M 522	3
PHM SCI/M&ENVTOX/ ONCOLOGY/PHMCOL- M/POP HLTH 625	3	PHM SCI/M&ENVTOX/ PATH/PHMCOL-M/ POP HLTH 626	3
PHM SCI 623 ¹	3	PHM SCI 679	1

PHYSICS 104	4 GENETICS 466 (not req. if Biocore taken)	3
Electives in the Major or add'l research credits	2-3 Electives	3
	15-16	13

Total Credits 112-120

1

PHMCOL-M/PHM SCI 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 PHMCOL-M/PHM SCI 522 Pharmacology II.

EXAMPLE PLAN: CHEM 109; BIOLOGY IN FIRST YEAR

Freshman

Fall	Credits Spring	Credits
CHEM 109	5 CHEM 343	3
MATH 221	5 ZOOLOGY/BIOLOGY/ BOTANY 151	5
Communication A	3 Social Science	3-4
Electives	3-4 Electives	3-4
	16 17	14 16

Sophomore

Fall	Credits Spring	Credits
ZOOLOGY/BIOLOGY/ BOTANY 152	5 CHEM 344	2
CHEM 345	3 PHYSICS 103 or 207	4-5
Ethnic Studies	3-4 STAT 371	3
Humanities	3-4 Humanities	3-4
	Electives	2-3
	14-16	14-17

Junior

Fall	Credits	Spring	Credits
BIOCHEM 507	3	BIOCHEM 508	3
PHM SCI 558	2	2 PATH 404	3
ANAT&PHY 335	Ę	5 PHM SCI 679	1
Research (699) credits	2	2 PHYSICS 104 or 208	4-5
Electives	3	B Electives in the Major or add'l research credits	2-3
	15	5	13-15

Senior

Fall	Credits	Spring	Credits
PHM SCI/PHMCOL- M 521	3	PHM SCI/PHMCOL- M 522	3
PHM SCI/M&ENVTOX/ ONCOLOGY/PHMCOL- M/POP HLTH 625	3	PHM SCI/M&ENVTOX/ PATH/PHMCOL-M/ POP HLTH 626	3
PHM SCI 623 ¹	3	PHM SCI 679	1
Electives in the Major or add'l research credits	2-3	GENETICS 466	3
Electives	3	3 Electives	3-4
	14-15	;	13-14

Total Credits 113-125

1

PHMCOL-M/PHM SCI 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 PHMCOL-M/PHM SCI 522 Pharmacology II.

PHM SCI/PHMCOL-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 SCI/PHMCOL-M 522 Pharmacology II.

EXAMPLE PLAN: CHEM 103 SPRING OF FIRST YEAR

FI	'es	hr	na	n

Fall	CreditS pring	Credits	
MATH 112, 113, 114, or 171	3-5 CHEM 103	4	
Social Science	3-4 MATH 221 or 217	5	
Communication A	3 Humanities	3-4	
Electives	3-4 Electives	3-4	
	12-16	15-17	

Sophomore

Fall	CreditS pring	CreditS ummer	Credits
CHEM 104	5 CHEM 343	3 CHEM 345	3
ZOOLOGY/ BIOLOGY/ BOTANY 151	5 ZOOLOGY/ BIOLOGY/ BOTANY 152	5 CHEM 344	2
Ethnic Studies	3-4 Humanities	3-4	
Electives	3 Electives in the Major	3	
	16-17	14-15	5

Junior

Fall	Credit S pring	Credits	
BIOCHEM 507	3 BIOCHEM 508	3	
PHM SCI 558	2 PATH 404	3	
ANAT&PHY 335	5 PHM SCI 679	1	
STAT 371	3 PHYSICS 103	4	
	Research (699) credits	2-3	
	13	13-14	

Senior

Scillor			
Fall	Credit S pring	Credits	
PHM SCI/ PHMCOL- M 521	3 PHM SCI/ PHMCOL- M 522	3-4	
PHM SCI/ M&ENVTOX/ ONCOLOGY/ PHMCOL-M/ POP HLTH 625	3 PHM SCI/ M&ENVTOX/ PATH/ PHMCOL-M/ POP HLTH 626	3	
PHM SCI 623 ¹	3 PHM SCI 679	1	
PHYSICS 104	4 GENETICS 466	3	
Electives in the Major or add'I research credits	2-3 Electives	3-4	
	15-16	13-15	

Total Credits 116-128