

## Bachelor of Science in Pharmaceutical Sciences

### General Education (Legacy) Requirements

	Requirement	Notes	Hours
	First-Year Writing Course	Take ENG 1110.xx	3
	Advanced Writing Level II	Any 2367 course; PHR 2367.01 or .02 recommended	3
	Social Science*	2 courses from 2 different categories*	6
	Arts & Humanities: Historical Study	See Course Catalog	3
	Arts & Humanities: Vis. & Perf. Arts	See Course Catalog	3
	Arts & Humanities: Literature	See Course Catalog	3
	Arts & Humanities: Culture & Ideas	See Course Catalog	3
	Global Studies	May overlap with Arts & Hum. or Social Sciences	6
	Social Diversity	May overlap with Arts & Hum. or Social Sciences	3

### Science & Math Requirements

	Course	Title	Hours
	MATH 1151	Calculus	5
	STAT 1450, 2450 <i>or</i> STAT 2480	Statistics	3
	CHEM 1210	General Chemistry I	5
	CHEM 1220	General Chemistry II	5
	BIO 1113 (1113.01 or 1113.02)	Biological Sciences: Energy Transfer & Development	4-5
	CHEM 2510	Organic Chemistry I	4
	CHEM 2540	Organic Chemistry I Lab	2
	CHEM 2520	Organic Chemistry II	4
	PHR 3100	Human Physiology & Disease	4

### BSPS Drug Discovery and Development Core Requirements

	Course	Title	Term	Hours
	PHR 1100	Pharmaceutical Sciences Survey	AU, SP	1
	PHR 2100	Career Development in Pharmaceutical Sciences I	AU only	0.5
	PHR 2101	Career Development in Pharmaceutical Sciences II	SP only	0.5
	PHR 2500	Drug Discovery, Development and Delivery	AU, SP, SU	3
	PHR 2530/E	Introduction to Pharmaceutical Sciences Research	AU only	2
	PHR 3500	Pharmacoethics: Dilemmas and Decision-making	AU, SP	2
	PHR 3200	Biochemistry for Pharmaceutical Sciences	AU only	5
	PHR 4000	Molecules to Medicines I	SP only	5
	PHR 4010	Molecules to Medicines II	AU only	5
	PHR 4610	Experimental Techniques in Drug Discovery	AU only	4
	PHR 4600	Pharmaceutical Sciences Laboratory	AU, SP	3

### Additional Drug Discovery and Development Requirements

	<b>BSPS Electives</b>	Complete 10 credit hours	See BSPS Approved Electives
	<b>Choice Sciences</b>	Complete 14 credit hours	See Drug Discovery Choice Sciences

\*Social Science categories: Organizations & Policies; Environment & Natural Resources; Individuals & Groups

## Sample Curriculum Plan

Autumn			Spring		
PHR 1100	Survey	1	BIO 1113.01	Biology	4
MATH 1151	Calculus	5	CHEM 1220	General Chemistry II	5
CHEM 1210	General Chemistry I	5	ENG 1110.xx	GE Writing Level 1	3
PHR 2530	Intro to Pharm. Sci. Research	2	PHR 2500	Drug Dis/Dev/Delivery	3
PHR 2100	Career Development I	0.5			
		14.5			15

Autumn			Spring		
CHEM 2510	Organic Chemistry I	4	CHEM 2520	Organic Chemistry II	4
CHEM 2540	Organic Chemistry I Lab	2		Choice Science	4
PHR 2367	Drugs / American Culture (GE Writing Level II)	3	GE	Historical Studies + Global Studies	3
GE	Social Science	3	GE	Literature	3
PHR	BSPS Elective	2	PHR	BSPS Elective	2
		16			16

Autumn			Spring		
PHR 3200	Biochemistry	5	PHR 4000	Molecules to Medicines	5
PHR 4600	Pharm. Sci. Lab	3	PHR 2101	Career Development II	0.5
GE	Social Science + Social Diversity	3	PHR	BSPS Elective	3
	Choice Science	3	GE	Vis/Art	3
			PHR 3100	Physiology	4
		14			15.5

Autumn			Spring		
PHR 4010	Molecules to Medicines II	5	GE	Culture & Ideas + Global Studies	3
PHR 4610	Experimental Tech. Drug Dis.	4		Choice Science	4
PHR 3500	Pharmacoethics	2	PHR	BSPS Elective	3
	Choice Science	3	STAT 2480	Stats. Life Sci.	3
		14			14

**Note: MATH 1151 and CHEM 1210 enrollment may depend on Math Placement Test and incoming credit.**