

## Bachelor of Science in Pharmaceutical Sciences

### General Education Requirements (Gen Ed New)

	Course	Requirement	Hours
	GENED 1201	GE Launch Seminar	1
	ENG 1110	Foundations: Writing & Information Literacy	3
	See course catalog	Foundations: Literary, Visual, & Performing Arts	3
	See course catalog	Foundations: Historical & Cultural Studies	3
	See course catalog	Foundations: Social & Behavioral Sciences	3
	See course catalog	Foundations: Race, Ethnicity & Gender Diversity	3
	See course catalog	Themes: Citizenship for a Diverse & Just World	4-6
	See course catalog	Themes: Choice Theme	4-6
	GENED 4001	GE Reflection Seminar	1

### Science & Math Requirements

	Course	Title	Hours
	MATH 1151	Calculus	5
	STAT 1450, 2450 or 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 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 2367.xx	Drug Use in American Culture	AU, SP, SU	3
	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 4600	Pharmaceutical Sciences Laboratory	AU, SP	3
	PHR 4610	Experimental Techniques in Drug Discovery	AU only	4

### 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

**\*Mathematical & Quantitative Reasoning and Natural Sciences GE requirements completed by BSPS major coursework**

**\*\*PHR GE Theme courses can overlap with BSPS Electives up to 6 credit hours**

## 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 WIL	3
GE	LVPA	3	PHR 2500	Drug Dis/Dev/Delivery	3
PHR 2100	Career Development I	0.5	GENED 1201	Launch Seminar	1
		14.5			15

Autumn			Spring		
CHEM 2510	Organic Chemistry I	4	CHEM 2520	Organic Chemistry II	4
CHEM 2540	Organic Chemistry I Lab	2	PHR 3100	Physiology	4
PHR 2367	Drugs / American Culture	3	GE	REGD	3
PHR 2530	Intro to Pharm. Sci. Research	2	GE	Historical/Cultural Studies	3
GE	Social & Behavioral Sci.	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	Citizenship Div/Just World	3	PHR	BSPS Elective	3
	Choice Science	3	GE	Choice: Health/Wellbeing	3
				Choice Science	4
		14			15.5

Autumn			Spring		
PHR 4010	Molecules to Medicines II	5	GE	Citizenship Div/Just World	3
PHR 4610	Exp. Tech. Drug Dis.	4		Choice Science	4
GE	Choice: Health/Wellbeing	3	PHR	BSPS Elective	3
	Choice Science	3	STAT 2480	Stats. Life Sci.	3
GENED 4001	Reflection Seminar	1	PHR 3500	Pharmacoethics	2
		16			15

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

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**\*\*PHR GE Theme courses can overlap with BSPS Electives up to 6 credit hours**