

# Combined BSPS/PharmD Pathway

## Science & Math Requirements

Course	Title	Hours	Prerequisites
<b>MATH 1151</b>	Calculus	5	<a href="#">See course catalog</a>
<b>STAT 1450, 2450 or 2480</b>	Statistics (algebra-based or calculus-based); or, Statistics for the Life Sciences	3 3	Varies based on selection; <a href="#">see course catalog</a>
<b>CHEM 1210</b>	General Chemistry I	5	<a href="#">See course catalog</a>
<b>CHEM 1220</b>	General Chemistry II	5	CHEM 1210
<b>BIO 1113.01 1113.01 or 1113.02</b>	Biological Sciences: Energy Transfer & Development	4-5	<a href="#">See course catalog</a>
<b>CHEM 2510</b>	Organic Chemistry I	4	CHEM 1220
<b>CHEM 2540</b>	Organic Chemistry I Lab	2	CHEM 2510 (concurrent)
<b>CHEM 2520</b>	Organic Chemistry II	4	CHEM 2510
<b>PHR 3100</b>	Human Physiology & Disease	4	BIO 1113 <b>and</b> CHEM 1210
<b>MICRBIO 4000.01</b>	Microbiology	4	BIO 1113

## BSPS Core Requirements

Course	Hours	Title	Term	Prerequisites
<b>PHR 1100</b>	1	Pharmaceutical Sciences Survey	AU, SP	None
<b>PHR 2100</b>	0.5	Career Development in Pharmaceutical Sciences I	AU only	None
<b>PHR 2102</b>	0.5	Surviving to Thriving: Prescription for Pharmacy School Success <i>optional for AU22, AU23, &amp; AU24 admit term students</i>	SP only	PHR 3200
<b>PHR 2510 Or 2511H</b>	2	Introduction to Pharmacy	AU, SP Varies	None Honors Student
<b>PHR 2500</b>	3	Drug Discovery, Development, and Delivery	ALL	None
<b>PHR 3110</b>	3	Drugs, Data, and Discourse	AU, SP	ENG 1110 or equiv.
<b>PHR 3500</b>	2	Pharmacoethics: Dilemmas and Decision-making	AU, SP	None
<b>PHR 3200</b>	5	Biochemistry for Pharmaceutical Sciences	AU, SP	CHEM 2520
<b>PHR 4600</b>	3	Pharmaceutical Sciences Lab	AU, SP	PHR 3200 or equiv. (concur); CHEM 2540
<b>PHR 4000</b>	5	Molecules to Medicines I	AU, SP	PHR 3200

## General Education Requirements

Course	Requirement	Hours
<b>GENED 1201</b>	GE Launch Seminar	1
<b>ENG 1110</b>	Foundations: Writing & Information Literacy	3
<b>Fulfilled by major</b>	Foundations: Mathematical & Quantitative Reasoning	4-5
<b>See course catalog</b>	Foundations: Literary, Visual, & Performing Arts	3
<b>See course catalog</b>	Foundations: Historical & Cultural Studies	3
<b>Fulfilled by major</b>	Foundations: Natural Sciences	4-5
<b>See course catalog</b>	Foundations: Social & Behavioral Sciences	3
<b>See course catalog</b>	Foundations: Race, Ethnicity & Gender Diversity	3

GE continued

<b>See course catalog</b>	Themes: Citizenship for a Diverse & Just World	4-6
<b>See course catalog</b>	Themes: Choice Theme	4-6
<b>GENED 4001</b>	GE Reflection Seminar	1

## Combined BSPS/PharmD Pathway, cont.

### Sample Curriculum Plan

Autumn			Spring		
PHR 1100	1	Survey	BIO 1113.01	4	Biology
MATH 1151*	5	Calculus	CHEM 1220	5	Gen. Chem. II
CHEM 1210*	5	Gen. Chem. I	ENG 1110.xx	3	GE WIL
GE	3	LVPA	GE	3	Historical/Cultural Studies
PHR 2100	.5	Career Devo I	PHR 2500	3	Drug Dis/Dev/Delivery
GENED 1201	1	Launch Seminar			
PHR 2510	2	Intro to Pharmacy			
	17.5			18	

Autumn			Spring		
CHEM 2510*	4	Organic Chemistry I	CHEM 2520*	4	Organic Chemistry II
CHEM 2540	2	O-Chem I Lab	MICR BIO 4000	4	Microbiology
PHR 3110	3	Drugs, Data, Discourse	GE	3	REGD
STAT 1450.01	3	Intro Statistics	GE	3	Citizenship Div/Just World
GE	3	Social/Beh. Sci.	PHR 3500	2	Pharmacoethics
Elective**	1	Free Elective	Elective**	1	Free Elective
	16			17	

Autumn			Spring		
PHR 3200*	5	Biochemistry	PHR 4000*	5	Molecules to Medicines
PHR 4600	3	Pharm. Sci. Lab	PHR 3100	4	Physiology
GE	3	Citizenship Div/Just World	GENED 4001	1	GE Reflection Seminar
GE	3	Choice: Health & Wellbeing	GE	3	Choice: Health & Wellbeing
Elective**	2	Free elective	Elective**	2	Free Elective
			PHR 2102*	.5	Surviving to Thriving PharmD
	16			15.5	

**\* Must not move; keep in semester shown.**

**MATH 1151 and CHEM 1210 enrollment may depend on Math Placement Test.**

**\*\* Must have 97+ hours during Combined Degree to matriculate to PharmD; add Free Electives to reach over 97 hours.**