



Combined BSPS/PharmD Pathway

Science & Math Requirements

Course	Title	Hours	Prerequisites
MATH 1150 or MATH 1148+1149	Pre-Calculus or higher; or, College Algebra & Trigonometry	5 4+3	See course catalog
PHR 2314	Quantitative Foundations in Pharm Sci <i>only required for students needing MATH 1148</i>	2	MATH 1148 (corequisite)
STAT 1450, 2450 or 2480	Statistics (algebra-based or calculus-based); or, Statistics for the Life Sciences	3 3	Varies based on selection; see course catalog
CHEM 1210	General Chemistry I	5	See course catalog
CHEM 1220	General Chemistry II	5	CHEM 1210
BIO 1113.01 1113.01 or 1113.02	Biological Sciences: Energy Transfer & Development	4-5	See course catalog
CHEM 2510	Organic Chemistry I	4	CHEM 1220
CHEM 2540	Organic Chemistry I Lab	2	CHEM 2510 (concurrent)
CHEM 2520	Organic Chemistry II	4	CHEM 2510
PHR 3100	Human Physiology & Disease	4	BIO 1113 <u>and</u> CHEM 1210
MICRBIO 4000.01	Microbiology	4	BIO 1113

BSPS Core Requirements

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

General Education Requirements

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

GE continued

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
See course catalog	<u>Civic Literacy</u> <i>not required for students admitted SU26 or prior</i>	3

Sample Curriculum Plan

Autumn			Spring		
PHR 1100	1	Survey	BIO 1113.01	4	Biology
MATH 1150*	5	Pre-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	MICRBIO 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
Civic Literacy	3	Civic Literacy	Elective**	1	Free Elective
	18			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 1150 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.**