SOUTH DAKOTA STATE UNIVERSITY

Bachelor of Science/Doctor of Pharmacy
Major: Pharmaceutical Sciences/Pharm.D.
2025-2026 Sample 6-Year Plan
Total Degree Requirements: 218 credits – BS 138/PharmD 80

Student _____ **Student ID#** _____ **Student Phone #** _____

Advisor _____ **Minimum GPA** _____ **Minor/Career Interest(s)** _____

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the Undergraduate Catalog.

FIRST YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 151/L	General Biology I and Lab		4		
CHEM 112/L	General Chemistry I and Lab (SGR #6)		4		
PHA 119	Introduction to the Pharmacy Profession		1	F	
SGR #4	Arts and Humanities		3		
SGR #2	Oral Communication (CMST 101 Recommended)		3		
		Total Credit Hours	15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CHEM 114/L	General Chemistry II and Lab (SGR #6)	p. CHEM 112, MATH 114 or higher	4		
SGR #1	Written Communication (ENGL 101 Recommended)		3		
MATH 121/L	Survey of Calculus and Lab (SGR #5)	p. MATH 114 or MATH 115 or placement	5		
SGR #3	Social Sciences (Civics Requirement)		3		
SGR #4	Arts and Humanities		3		
		Total Credit Hours	18		

SECOND YEAR

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 221/L	Anatomy and Lab		4		
CHEM 326/L	Organic Chemistry I and Lab	p. CHEM 114/L	4	F	
ECON 201	Principles of Microeconomics (SGR #3)		3		
SGR #1	Written Communication (ENGL 201 Recommended)		3		
GEN ELEC	General Elective		3		
		Total Credit Hours	17		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BIOL 325/L	Physiology and Lab	p. BIOL 151/L, BIOL 221/L and CHEM 112/L	4		
CHEM 328/L	Organic Chemistry II and Lab	p. CHEM 326/L	4	S	
STAT 281	Introduction to Statistics	p. MATH 103 or higher	3		
MICR 231/L	General Microbiology and Lab	p. CHEM 112	4		
PHA 219	Fundamentals of Health Care Practice I		1	S	
		Total Credit Hours	16		

Information Subject to Change. This is not a contract.

p. = Course Prerequisite
Semester: F = Fall, S = Spring, SU = Summer

P1 YEAR-BS PHARMACEUTICAL SCIENCES

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 313	Pharmacy Calculations	Pharmacy Major	1	F	
PHA 323	Pharmaceutical Biochemistry	Pharmacy Major	4	F	
PHA 331	Pharmaceutics I	Pharmacy Major	4	F	
PHA 340	Medicinal Chemistry I	Pharmacy Major	3	F	
PHA 352	Pathophysiology, Pharmacology and Toxicology I	Pharmacy Major	3	F	
PHA 363L	Pharmacy Skills Laboratory I	Pharmacy Major	1	F	
PHA 367	Pharmacy Practice I: Intro to Pharmacy Practice	Pharmacy Major	1	F	
		Total Credit Hours	17		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 324	Biomedical Sciences I	Pharmacy Major	4	S	
PHA 332	Pharmaceutics II	Pharmacy Major	2	S	
PHA 341	Medicinal Chemistry II	Pharmacy Major	3	S	
PHA 342	Self Care Pharmacotherapeutics I	Pharmacy Major	2	S	
PHA 353	Pathophysiology, Pharmacology and Toxicology II	Pharmacy Major	3	S	
PHA 364L	Pharmacy Skills Laboratory II	Pharmacy Major	2	S	
PHA 368	Pharmacy Practice II: Drug Information and Communication	Pharmacy Major	2	S	
		Total Credit Hours	18		

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 410	IPPE I	P2 Year Standing	3	Su	
		Total Credit Hours	3		

P2 YEAR- BS PHARMECEUTICAL SCIENCES

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 415	Biopharmaceutics and Pharmacokinetics	P2 Year Standing	4	F	
PHA 425	Biomedical Sciences II	P2 Year Standing	3	F	
PHA 445	Pharmacotherapeutics I	P2 Year Standing	3	F	
PHA 452	Pathophysiology, Pharmacology and Toxicology III	P2 Year Standing	4	F	
PHA 467	Pharmacy Practice III: Research Evaluation and Pharmacoeconomics	P2 Year Standing	2	F	
PHA 463L	Pharmacy Skills Laboratory III	P2 Year Standing	2	F	
		Total Credit Hours	18		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 419	Fundamentals of Health Care Practice II	P2 Year Standing	1	S	
PHA 430	Pharmacy Practice Law & Ethics	P2 Year Standing	4	S	
PHA 446	Pharmacotherapeutics II	P2 Year Standing	3	S	
PHA 453	Pathophysiology, Pharmacology and Toxicology IV	P2 Year Standing	4	S	
PHA 464L	Pharmacy Skills Laboratory IV	P2 Year Standing	2	S	
PHA 468	Pharmacy Practice IV: Medication Safety and Sterile Compounding	P2 Year Standing	2	S	
		Total Credit Hours	16		

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 610	IPPE II	P3 Year Standing	3	Su	
		Total Credit Hours	3		

Information Subject to Change. This is not a contract.

p. = Course Prerequisite
Semester: F = Fall, S = Spring, SU = Summer

P3 YEAR-DOCTOR OF PHARMACY

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 727	Professional Resources Management	P3 Year Standing	4	F	
PHA 742	Self Care Pharmacotherapeutics II	P3 Year Standing	2	F	
PHA 756	Pharmacotherapeutics III	P3 Year Standing	4	F	
PHA 757	Pharmacotherapeutics IV	P3 Year Standing	4	F	
PHA 763L	Pharmacy Skills Laboratory V	P3 Year Standing	2	F	
PHARM ELEC	Pharmacy Elective	P3 Year Standing	2	F	
		Total Credit Hours	18		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 719L	Pharmacy Capstone	P3 Year Standing	1	S	
PHA 724	US Health Care Systems	P3 Year Standing	2	S	
PHA 741	Public and Population Health	P3 Year Standing	2	S	
PHA 761	Pharmacotherapeutics V	P3 Year Standing	5	S	
PHA 762	Pharmacotherapeutics VI	P3 Year Standing	5	S	
PHA 764L	Pharmacy Skills Laboratory VI	P3 Year Standing	1	S	
PHARM ELEC	Pharmacy Elective	P3 Year Standing	3	S	
		Total Credit Hours	19		

P4 YEAR-DOCTOR OF PHARMACY

Summer/Fall/Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
PHA 714	Community Pharmacy Practice	P4 Year Standing	5		
PHA 716	Hospital/Institutional Pharmacy Practice	P4 Year Standing	5		
PHA 772	Internal Medicine I	P4 Year Standing	5		
PHA 774	Ambulatory Care	P4 Year Standing	5		
APPE	Assigned APPE (two 5 credit courses)	P4 Year Standing	10		
APPE	Elective APPE (two 5 credit courses)	P4 Year Standing	10		
		Total Credit Hours	40		

COMMENTS/NOTES

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the Honors program requirements.

Curriculum Notes

1. Eligible for B.S. in Pharmaceutical Sciences after completion of all general education requirements, 300 and 400-level required PHA courses, and general elective credits for a total of 138 credits.
2. Successful completion of the capstone activities are required as part of the degree requirements for both the BS in Pharmaceutical Science and the Doctor of Pharmacy degrees.
3. PHA 410 must be completed during the summer between the P1 and P2 years.
4. PHA 610 must be completed during the summer between the P2 and P3 years.
5. P3 year courses are taught in Sioux Falls.
6. Introductory Pharmacy Practice Experiences (IPPEs) occur throughout the P1-P3 years and may be completed during Summer, Fall, and Spring Semesters.
7. Advanced Pharmacy Practice Experiences (APPEs) occur in the P4 year and are completed during Summer Sessions, Fall, and Spring Semesters.
8. General Electives: 3 credits required to be completed prior to beginning P3 Year. Credits in excess of System General Education Requirements may apply toward General Elective requirement.

Progression – Progression standards for students in the PharmD program are set to assure graduates are prepared to provide pharmacy services to the public. The integrated curriculum relies on information and skills garnered in previous courses and therefore, students' success depends on achieving a minimum level of performance in each course. Minimum level of performance is defined as a grade of C or better based on University Catalog grade definitions. A grade of D is defined as in terms of "insufficient" and "inadequate" according to the University Catalog. A grade of F is defined in terms of "failure." D, F, and U (unsatisfactory) grades do not represent a minimum level of performance needed to develop skills, abilities, and knowledge of a general practitioner.

Refused Status - A student will be placed on refused status if the student:

a. Earns a D, F, or U in a pharmacy course.

b. Does not complete the Pharm.D. program within six years of starting the professional program.

Class Standing Requirements Standing - Some pharmacy courses have prerequisites such as "P1 Year Standing", etc. These are defined as follows (note: "completion" means a passing grade in each pharmacy course and maintaining semester and cumulative PHA GPA requirements):

P1 Year Standing - The student must have been admitted into the professional program.

P2 Year Standing - Completion of all PHA 300 level required courses and PHA 119/101.

P3 Year Standing - Completion of all PHA 400 level required courses and PHA 610, a bachelor's degree, and all capstone activities are required to begin the fall semester. Completion of all required PHA 700, non-advanced practice experience courses are required to progress to the subsequent semester.

P4 Year Standing - completion of all PHA 600-700 level required, non-advanced practice courses, and 300 hours of IPPE.