


PHARMACEUTICAL SCIENCES, B.S. TO PHARM.D. (3+4 ACCELERATED PROGRAM)






The B. S. in Pharmaceutical Sciences program is also offered as part of an accelerated 3 + 4 program in conjunction with the Doctor of Pharmacy degree (3 years B.S. + 4 years Pharm.D.). The first 3 years of the B.S.P.S. program include all prerequisite courses that are required for matriculation into the Pharm.D. program as well as all university core requirements for a B.S. The coursework in the fourth year of the B.S.P.S. program is synonymous with the coursework in the first year of the Pharm.D. program. This allows both degrees to be completed within 7 (3 + 4) years.

Semester Plan







 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.


First Year



Course	Description	Credit Hours
First Semester		
BSC 120  & BSC 120L 	Principles of Biology I and Principles of Biology I Lab	4
CHM 211  & CHM 217 	Principles of Chemistry I and Principles of Chem Lab I	5
ENG 101 	Beginning Composition	3
FYS 100	First Yr Sem Critical Thinking	3
Core II Social Science		3
Credit Hours		18

Second Semester



BSC 121  & BSC 121L 	Principles of Biology and Prin of Biology II Lab	4
CHM 212  & CHM 217 	Principles Chemistry II and Principles of Chem Lab I	5
ENG 201 	Advanced Composition	3
STA 225 	Introductory Statistics (CT)	3
BSPS 201	Intro to Pharmaceutical Sci	2
Credit Hours		17

Second Year

Course	Description	Credit Hours
First Semester		
CHM 355	Organic Chemistry I	3
BSC 227 & BSC 227L	Human Anatomy and Human Anatomy Lab	4
MTH 140 	Applied Calculus	3
BSPS 202	Drug Regulatory Affairs	3

PHY 201  & PHY 202 	College Physics I and General Physics I Laboratory	4
Credit Hours		17

Second Semester

CHM 356 & CHM 361	Organic Chemistry II and Intro Organic Chm Lab	6
BSC 228  & BSC 228L 	Human Physiology and Human Physiology Lab	4
Core II Communications		3
BSC 302 & BSC 304	Principles of Microbiology and Microbiology Lab	5
Credit Hours		18

Third Year

First Semester

Multicultural/International		3
BSPS 303	Drug Regulatory Affairs	3
Core II Fine Arts		3
BSPS 442	Pharm Sciences Seminar	1
BSPS Elective		3
300- or 400-level elective chosen from CHM, BSC or BSPS		3
Credit Hours		16

Second Semester

Core II Humanities		3
BSPS 442	Pharm Sciences Seminar	1
BSPS 470	Capstone Exper in Pharm Sci	4
BSPS Elective		3
300- or 400-level electives chosen from CHM, BSC or BSPS courses		3
BSPS 333	Pharmacology	3
Credit Hours		17

Fourth Year

First Semester

PHAR 501	Pharm Cont Prof Dev	0
PHAR 512	Pharmacy Skills Lab I	1
PHAR 524	Drug Info & Comm Skills	2
PHAR 531	Biopharmaceutics I	3
PHAR 533	Introduction to Pharmacy 1	3
PHAR 542	Immunology and Microbiology	4
PHAR 547	Pharmaceutical Chemistry	4
BSPS 401	Pharm Sciences Seminar	1
Credit Hours		18

Second Semester

PHAR 502	Pharm Cont Prof Dev (2)	0
PHAR 523	Pharmacogenomics	2
PHAR 532	Biopharmaceutics II	3
PHAR 536	Introduction to Pharmacy 2	3
PHAR 537	Pharmacokinetics	3
PHAR 538	Pharmacy Skills Lab 2	3
PHAR 544	Prin of Disease & Drug Action	4
PHAR 811	Pharm Prac Exp I (IPPE 1)	1
Credit Hours		19

Fifth Year**First Semester**

PHAR 503	Pharm Cont Prof Dev	0
PHAR 623	Patient Safety	2
PHAR 636	Pharm Skills Lab III	3
PHAR 635	Research Outcomes Patient Care	3
PHAR 641	Therapeutics I	4
PHAR 662	Pharmacy Administration	6
PHAR 813	IPPE 3 Community 2	1
Elective		2-3

Credit Hours **21-22**

Second Semester

PHAR 504	Pharm Cont Prof Dev	0
PHAR 652	Therapeutics 3 Cardiology	4
PHAR 643	Therapeutics 3 GI & Renal	4
PHAR 637	Pharm Skills Lab IV	3
PHAR 644	Therapeutics 4 Endocrine	4
PHAR 815	Phar Prac Exp 5 IPPE 5	1
Elective		2-3

Credit Hours **18-19**

Sixth Year**First Semester**

PHAR 505	Pharm Cont Prof Development	0
PHAR 733	Residency Preparation	3
PHAR 734	Medications of Abuse	3
PHAR 752	Neuro & Psychiatric Dis	5
PHAR 761	HemeOnc Nutrition Hepa MS	6
PHAR 815 or PHAR 817	Phar Prac Exp 5 IPPE 5 or Intro Phar Prac Exp IPPE 7	1

Credit Hours **18**

Second Semester

PHAR 506	Pharm Cont Prof Dev 6	0
PHAR 723	Special Populations	2
PHAR 735	Pharmacy Law & Ethics	3
PHAR 736	Pharmacy Skills Lab 6	3
PHAR 743	Therapeutics 9 Hem Onc	4
PHAR 815 or PHAR 817	Phar Prac Exp 5 IPPE 5 or Intro Phar Prac Exp IPPE 7	1

Credit Hours **13**

Third Semester

PHAR 881	APPE 1-General Medicine	5
PHAR 882	APPE 2-Amb Care/Prim Care	5
PHAR 883	APPE 3-Advanced Community	5
PHAR 884	APPE 4-Adv Institutional	5
PHAR 885	APPE 5-Geriatrics	5
PHAR 886	APPE 6-Diverse Populations	5
PHAR 887	APPE 7 & 8-Electives	5
PHAR 887	APPE 7 & 8-Electives	5
PHAR 891	Pharmacy Capstone	4
PHAR 892	Pharmacy Capstone 2	2

Credit Hours **46**

Total Credit Hours **256-258**