

Wayne State University
Doctor of Pharmacy Program
Curriculum
Fully Implemented: Fall 2009

Pre-requisite coursework:

Science Prerequisites

BIO 1510 Basic Life Mechanisms (4 credits)
BIO 2200 Introduction to Microbiology (4 credits)
BIO 2870 Anatomy and Physiology (5 credits)
PSL 3220 Fundamentals of Human Physiology (4 credits)
CHM 1220 & 1230 Chemical Structures & Bonds (4 credits)
CHM 1240 & 1250 General/Organic Chemistry (5 credits)
CHM 2220 & 2230 Organic Chemistry (5 credits)
MAT 2010 Calculus I (4 credits)
PHY 2130 & 2131 General Physics I (4 credits)
Total: 39 credits

Science and math courses must be completed by May of the year admitted.

Science and math courses must be completed within five years prior to admission.

Non Science Prerequisites

ENG 1020 or 1050 Introduction to College Writing (4 credits)
PS 1010 Introduction to American Government (4 credits)
COM 1010* Basic Speech (3 credits)
Total: 11 credits

* Exams or coursework can be used to complete these requirements.

The non-science prerequisites must be completed by August of the year admitted.

WSU General Education requirements Required by Wayne State University for students who enter the program without a bachelor's degree. These requirements must be completed by August of the year admitted.

Computer Literacy* (CL)

English Proficiency Requirement*(exam must be taken by the beginning of March of the year you are applying) (EP)

Critical Thinking Competency* (CT)

Intermediate Writing (IC)

* Exams or coursework can be used to complete these requirements.

Total: 4 credits

WSU General Education requirements Required by Wayne State University for students who enter the program without a bachelor's degree. It is strongly recommended that these credits be completed prior to admission into the pharmacy program. However, they must be completed before beginning the P2 year.

3 credits of each of the following:

Social Sciences, Historical Studies, Foreign Culture, Philosophy & Letters, Visual & Performing Arts

Total: 18 credits

Total prerequisite credits: 72 credits for students without a bachelor's degree, 50 credits for students with a bachelor's degree

Courses that are recommended, but not officially prerequisites for the program:

STA 1020 Elementary Statistics. (SOC 5280) Cr. 3

PSY 2410 Health Psychology. Cr. 4

BIO 3070 Genetics. Cr. 4-5

COM 3220 Health Communication. Cr. 3

BIO 5630 Histology. Cr. 4 (LAB: 4;LCT: 3)

ECO 1000 or 2010 Economics, Cr. 4

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First Professional Year – P1

Course Number	Course Name	Credits	Instructor
FALL P-1			
IHS 3100	Pathophysiology I	2	Pokorski
PSC 3110	Pharmaceutical Biochemistry	3	Woster
PSC 3120	Dosage Form Design & Biopharmaceutics	4	Oupicky
PPR 3020	Introduction To Patient Care I	2	Miller
PPR 3040	Patient Care Lab I	1	Miller
PHA 3030	Pharmacy Calculations and Descriptive Biostatistics	1	Edwards
	Semester Total Credit Hours	13	
WINTER P-1			
IHS 3200	Pathophysiology 2	3	Pokorski
PSC 3210	Biotechnology in Therapeutics	2	Woster
PPR 3120	Pharmacy Jurisprudence	2	Vivian
PPR 3060	Introduction to Patient Care II	2	Miller
PPR 3070	Patient Care Lab II	1	Miller
PHA 3040	Medical Informatics	2	Slaughter
	Semester Total Credit Hours	12	
SPRING P-1			
PSC 3310	Principles of Drug Disposition	3	Pokorski
PPR 3130	Introductory Pharmacy Practice Experience I	1	Smith
	Semester Total Credit Hours	4	
	Accumulated Credits	29	
	<i>For students starting prior to Fall 2009: IHS 3100 and 3200 – 5 Cr each PPR 3130 – not available</i>		

Second Professional Year – P2

Course Number	Course Name	Credits	Instructor
FALL P-2			
<i>First Seven Week Block</i>			
PSC 4320	Principles of Drug Action	3	Louis-Ferdinand
PHA 4010	Principles of Pharmacotherapy 1: Self Care & Alternative Health Care	3	Nesbitt
<i>Second Seven-week Block</i>			
PHA 4110	Principles of Pharmacotherapy 2: Immunology, Immune disorders, hematology, fluid & electrolytes	4	Louis-Ferdinand
<i>Courses Taken for Entire Semester</i>			
PPR 4190	Health Care I: Delivery & Finance	3	Bach
PPR 4120	Patient Care Lab III	1	Miller
PPR 4130	Introductory Pharmacy Practice Experience II	1	Smith
	Semester Total Credit Hours	15	
WINTER P-2			
<i>First Seven-week Block</i>			
PHA 4210	Principles of Pharmacotherapy 3: Infectious Diseases & Respiratory Diseases	5	Cha

<i>Second Seven-week Block</i>			
PHA 4260	Principles of Pharmacotherapy 4: Cardiovascular Diseases	5	Moser
<i>Courses Taken for Entire Semester</i>			
PPR 4290	Health Care II: Professional Practice & Development	2	Lucarotti
PPR4220	Patient Care Lab IV	1	Miller
PPR 4230	Introductory Pharmacy Practice Experience III	1	Smith
	Semester Total Credit Hours	14	
	Accumulated Credits	58	

Third Professional Year – P3

Course Number	Course Name	Credits	Instructor
Fall P-3			
<i>First Seven-week Block</i>			
PHA 5155	Principles of Pharmacotherapy 5: CNS Diseases, Mood Disorders, Substance Abuse	5	Pitts
<i>Second Seven-week Block</i>			
PHA 5165	Principles of Pharmacotherapy 6: Endocrinology, Renal, Gastrointestinal Diseases	5	Jaber
<i>Courses Taken for Entire Semester</i>			
PPR 6180	Advanced Ethics & Professional Responsibility	2	Vivian
PPR 5135 or PPR 5235	Community Introductory Pharmacy Practice Experience or Hospital Introductory Pharmacy Practice Experience	2	
PPR 7840 PSC 7840	Seminar (1/2 Class takes in Fall, 1/2 in Winter Semester; Credit Shown in Fall Semester Only)	1	Multiple
	Professional Elective	2	Multiple
	Semester Total Credit Hours	17	
Winter P-3			
<i>First Seven-week Block</i>			
PHA 5270	Principles of Pharmacotherapy 7: Toxicology, Drug-Induced Diseases, Dermatology, Oncology	5	Abramson
<i>Second Seven-week Block</i>			
PHA 5280	Principles of Pharmacotherapy 8: Women's & Men's Health, Age Related Issues in Pharmacotherapy, PBL Intensive	3	O'Connell
<i>Courses Taken for Entire Semester</i>			
PPR 6290	Population-Based Medication Management	2	Davis
PPR 7670	Clinical Pharmacokinetics	2	Edwards
PPR 7840 PSC 7840	Seminar (1/2 Class takes in Fall, 1/2 in Winter Semester; Credit Shown in Fall Semester Only)	0	Multiple
PPR 5135 or PPR 5235	Community Introductory Pharmacy Practice Experience or Hospital Introductory Pharmacy Practice Experience	2	
	Professional Electives	2	
	Semester Total Credit Hours	16	
	Accumulated Credits	91	
	<i>For students starting prior to Fall 2009: PPR 5135 and PPR 5235 – 1 Credit hour each</i>		

Fourth Professional Year – P4

Course Number	Course Name	Credits	Instructor
PPR 7410	Advanced Practice Patient Care 1(Inpatient/Acute Care General Medicine)	4	Variety
PPR 7420	Advanced Practice Patient Care Core	4	Variety
PPR 7430	Ambulatory Care	4	Variety

PPR 7550	Advanced Practice General Hospital	4	Variety
PPR 7560	Advanced Practice General Community	4	Bugdalski-Stutrud
	Advanced Practice Elective (Patient Care or Non-Patient Care)	4	
	Advanced Practice Elective (Patient Care or Non-Patient Care)	4	
-----	Seminar (1/2 Class takes in Fall, 1/2 in Winter Semester)	1	
	Total Credits for Year	29	
	<i>For students starting prior to Fall 2009: Advanced Patient Care Electives – 3 credit hours.,</i>		
	Accumulated Credits for Program	120	