

The Doctor of Pharmacy Curriculum at the University at Buffalo School of Pharmacy and Pharmaceutical Sciences is designed to prepare students to be “practice ready” upon graduation and act as caring, ethical, respectful, and scholarly pharmacy practitioners while serving as leaders in the advancement of the pharmacy profession.

The curriculum is intended to be a rigorous program of study providing the highest quality pharmacy education. At the cornerstone of our curriculum is the Pharmacists’ Patient Care Process based upon a strong foundation in the biomedical, pharmaceutical, clinical, and social/behavioral/administrative sciences, emphasizing the scholarly use of evidence-based medicine as a part of an interdisciplinary healthcare team to improve patient outcomes and quality of life. The curriculum incorporates a strong scientific knowledge relevant to contemporary pharmacy practice, and experiential and interprofessional education programs that span all four professional years. Our curriculum uniquely integrates pharmacokinetic, pharmacodynamic, and pharmacogenomic principles and educates future graduates in emerging areas of pharmacy. This places our graduates on the cutting edge of pharmacy practice and leaves our graduates well-positioned for a variety of pharmacy careers where their educational background and experiences will be utilized. Lastly, through innovative course design and teaching/learning methods, our engaged curriculum fosters the development of lifelong learning skills and an entrepreneurial spirit that are necessary for continuing professional development throughout the pharmacy career.

First Professional (P1) Year – Fall				First Professional (P1) Year – Spring			
Course#	Course Title	Course Coordinator	Credits	Course#	Course Title	Course Coordinator	Credits
PHC 501	Pharmaceutical Chemistry	Iyer, Vandana	3	PHC 530	Physical Pharmacy	Straubinger, Robert	3
PHC 529	Pharmaceutical Calculations	Ramanathan, Murali	3	PHM 501	Foundations of Pharmacotherapeutics 1	Wahler, Robert	2
PHM 503	Pathophysiology 1	Meaney, Calvin	3	PHM 504	Pathophysiology II	Prescott, Gina	3
PHM 505	Patient Assessment Lab	Prescott, William	1	PHM 506	Patient Assessment Lab	Prescott, William	1
PHM 515	Pharmaceutical Care 1	Daly, Christopher	3	PHM 516	Self-Care Therapeutics	Slazak, Erin	2
PHM 581	IPPE-1a	Brody, Peter	1	PHM 530	Pharmacy Law	Fiebelkorn, Karl	3
PMY 511	Principles of Pharmacology 1	Halvorsen, Stanley	4	PHM 582	IPPE-1b	Brody, Peter	1
PHM 555	All School	Fiebelkorn, Karl	0	PMY 512	Principles of Pharmacology 2	Berman, Harvey	4
Total:			18 hrs.	PHM 555	All School	Fiebelkorn, Karl	0
Total:			18 hrs.	Total:			19 hrs.
Second Professional (P2) Year – Fall				Second Professional (P2) Year – Spring			
Course#	Course Title	Course Coordinator	Credits	Course#	Course Title	Course Coordinator	Credits
PHC 531	Pharmacokinetics and Pharmacodynamics 1	Mager, Donald	3	PHC 532	Pharmacokinetics and Pharmacodynamics 2	Balthasar, Joseph	3
PHM 600	US Health Care Systems	Doloresco, Fred	1	PHM 603	Immunology/Infectious Diseases Pharmacotherapeutics	Catanzaro, Linda	3
PHM 601	Cardiovascular/Renal Pharmacotherapeutics	Sawyer, Joshua	3	PHM 604	Ophthalmology/Dermatology/Nutrition/GI Pharmacotherapeutics	Meaney, Calvin	2
PHM 602	Endocrinology/Women’s Health Pharmacotherapeutics	Albanese, Nicole	2	PHM 606	Biostatistics and Drug Literature Evaluation	Reilly, Irene	3
PHM 615	Pharmaceutical Care 2	Monte, Scott	1	PHM 616	Pharmaceutical Care 3	Cieri-Hutcherson, Nicole	1
PHM 637	Contemporary Pharmacy Management and Practice	Fiebelkorn, Karl	3	PHM 652	Professional Practice Lecture 2 Professional Practice Lab 2	Reiman, Alfred	2 2
PHM 651	Professional Practice Lec 1	Reiman, Alfred	2	PHM 682	IPPE-2b	Brody, Peter	1
PHM 651	Professional Practice Lab 1	Reiman, Alfred	2	PHM 555	All School	Fiebelkorn, Karl	0
PHM 681	IPPE-2a	Brody, Peter	1				
PHM 555	All School	Fiebelkorn, Karl	0	Electives			2
Total:			18 hrs.	Total:			17-19 hrs.

Third Professional (P3) Year – Fall				Third Professional (P3) Year – Spring			
Course #	Course Title	Course Coordinator	Credits	Course #	Course Title	Course Coordinator	Credits
PHC 517	Pharmacogenomics	Blanco, Javier	2	PHM 703	Hematology/Oncology and Critical Care Pharmacotherapeutics	Przespolewski, Eugene	2
PHM 701	Neurology/Psychiatry/Substance Abuse Pharmacotherapeutics	Gengo, Fran	3	PHM 704	Pediatrics and Geriatrics Pharmacotherapeutics	Fusco, Nicholas	2
PHM 702	Pulmonary/Toxicology/Rheumatology Pharmacotherapeutics	Woodruff, Ashley	3	PHM 705	Pharmacotherapeutic Integrated Cases	Albanese, Nicole Woodruff, Ashley	2
PHM 706	Informatics	Doloresco, Fred	2	PHM 716	Pharmaceutical Care 5	Doloresco, Fred	1
PHM 715	Pharmaceutical Care 4	Wahler, Robert	1	PHM 730	Topics in Pharmacy Law	Fiebelkorn, Karl	1
PHM 729	Pharmacy Ethics	Bednarczyk, Edward	2	PHM 736	Pharmacoeconomics and Pharmacoepidemiology	Jacobs, David	2
PHM 781	IPPE-3a	Brody, Peter	3	PHM 782	IPPE-3b	Brody, Peter	3
PHM 555	All School	Fiebelkorn, Karl	0	PHM 555	All School	Fiebelkorn, Karl	0
Electives			3	Electives			Total: 13-16 hrs.
			Total: 16-19 hrs.				
<i>Students are encouraged to take electives this semester.</i>				<i>Students are encouraged to take electives this semester.</i>			

Fourth Professional (P4) Year - Advanced Pharmacy Practice Experiences			
Course #	Course Title	Course Coordinator	Credits
PHM 820	Inpatient Care	Pasko, Mary	6
PHM 823	Outpatient Care	Albanese, Nicole	6
PHM 831 or PHC 815	Clinical Research Elective Pharmaceutics Research Elective	Meaney, Calvin Mager, Don Shah, Dhaval	6
PHM 841	Professional Practice Elective	Coe, Holly	6
PHM 850	Professional Development	Brody, Peter	1
6 Experiential Rotations. Each for 6 weeks and worth 6 hours.			
			Total: 37 hrs.

For course descriptions, see: <http://pharmacy.buffalo.edu/academic-programs/pharmd/requirements/courses.html>

NOTE: The School of Pharmacy and Pharmaceutical Sciences reserves the right to change courses as needed in order to achieve curricular outcomes in accordance with Accreditation Standards and Guidelines. Please check our website for future updates (www.pharmacy.buffalo.edu).