

University of Waterloo, School of Pharmacy Curriculum (approved June 09)

Admissions Criteria		Year One			Year Two			Year Three			Year Four	
Non-Academic: Pharmacy Admissions Profile, Interview, Reading Comprehension Test & English Language Requirement		Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
		BIOL 130/130L Introductory Cell Biology	CHEM120/120L Physical & Chemical Properties of Matter	CHEM 333 Metabolism	PHARM 111 A Systems Approach to the Study of the Human Body 2	Work Term One	PHARM 220 Integrated Patient Focused Care 1	Work Term Two	PHARM 222 Integrated Patient Focused Care 3	Work Term Three	PHARM 320 Integrated Patient Focused Care 5	Work Term Four
BIOL139 Genetics	CHEM123/123L Chemical Reactions, Equilibria & Kinetics	PHARM 110 A Systems Approach to the Study of the Human Body 1	PHARM 120b Introduction to the Profession of Pharmacy	PHARM 221 Integrated Patient Focused Care 2	PHARM 223 Integrated Patient Focused Care 4		PHARM 321 Integrated Patient Focused Care 6		PHARM 421 Integrated Patient Focused Care 8		PHARM415 Clinical Rotation: Integrated Care	
BIOL140 Fundamentals of Microbiology	CHEM237/237L or CHEM233 Introductory/Fundamental Biochemistry	PHARM 120a Introduction to the Profession of Pharmacy	PHARM 125 Pharmaceutics 2	PHARM 227 Health Systems in Society	PHARM 233L Medical Microbiology Lab 2		PHARM 322 Clinical Application of Pharmaceutical Sciences		PHARM 490 Seminars in Pharmacy 4		PHARM 491 Seminars in Pharmacy 5	
BIOL273 Principles of Human Physiology 1	CHEM254 Introductory Chemical Thermodynamics	PHARM 124 Pharmaceutics 1	PHARM 128 Professional Communication Skills in Pharmacy Practice 2	PHARM 228 Professional Practice 3	PHARM 237 Applications of Analyses and Devices in Pharmacy and Medicine		PHARM 329 Professional Practice Laboratory 3		PHARM 428 Professional Practice 4		Elective (0.5)	
MATH127 Calculus I for the Sciences or MATH137 or MATH147	CHEM266/266L or CHEM264 Organic Chemistry I	PHARM 127 Professional Communication Skills in Pharmacy Practice 1	PHARM 130 Professional Practice 2	PHARM 229 Professional Practice Laboratory 2	PHARM 252 Institutional Patient Care		PHARM 350 Fundamentals of Economics and Business		Elective (0.5)		Elective (0.5)	
MATH128 Calculus II for the Sciences or MATH 138 or MATH148	CHEM267/267L or CHEM265/265L Organic Chemistry II	PHARM 129 Professional Practice 1	PHARM 131 Professional Practice Laboratory 1	PHARM 232L Medical Microbiology Lab 1	PHARM 262 Foundation and Application of Health Informatics		PHARM 360 Fundamental Principles of Management		Elective (0.5)		Elective (0.5)	
STAT202 Statistics	2.0 full credits in Humanities/Social Sci at University level	PHARM 150 Introduction to Applied Pharmaceutical Sciences	PHARM 140 Computing for Pharmacists - Fundamental Concepts	PHARM 290 Seminars in Pharmacy 1	PHARM 291 Seminars in Pharmacy 2		PHARM 390 Seminars in Pharmacy 3					
English-Ontario Grade 12 ENG4U			PHARM 141 Pharmacology/Medicinal Chemistry				Elective (0.5)					
Electives: Independent Study	PHARM400 (0.25unit) PHARM401 (0.5 unit) PHARM402 (0.75 unit) PHARM403 (1.0 unit)											
Other Electives (0.5 unit)	PHARM361; PHARM362; PHARM363; PHARM364											