



Pre-Pharmacy at the University of Michigan-Dearborn

Below, in the table on both pages, are the classes you need to meet the requirements of the 3 pharmacy schools Michigan. **Pharmacy school requirements may vary.** For programs across the nation, a list of programs and their requirements can be found on the [PHARMCAS School Directory](#).

Course Subject	Course Title	Course Number	Credit Hours	DDC*
Biology	Intro. to Organismal and Environmental Biology	BIOL 130+lab	4	GENS
	Intro. to Molecular and Cellular Biology (pre-req CHEM 134)	BIOL 140+lab	4	GENS
	Anatomy and Physiology I	BIOL 103+lab	4	
	Anatomy and Physiology IIA (pre-req BIOL 103)	BIOL 105+lab	4	
	OR			
	Anatomy and Physiology IIB (pre-req BIOL 103)	BIOL 305+lab	4	
	OR			
	Advanced Human Anatomy and Physiology and Lab (pre-reqs BIOL 103 and BIOL 140)	BIOL 317 & 318	4 + 2	
	Human Physiology (pre-reqs BIOL 130 and 140 or BIOL 103 and 105)	BIOL 357	3	
	Microbiology (pre-req BIOL 140 and CHEM 134)	BIOL 285+lab	4	
	General Genetics (pre-req BIOL 140)	BIOL 306	4	
	Chemistry	General Chemistry IA (pre-req or co-req MATH 105 or equivalent)	CHEM 134+lab	4
General Chemistry IIA (pre-req CHEM 134)		CHEM 136+lab	4	GENS
(If you took CHEM 144 & 146 + labs, this is acceptable.)				
Organic Chemistry I (pre-req CHEM 136)		CHEM 225	4	
Organic Chemistry II (pre-req CHEM 225)		CHEM 226	4	
Organic Chemistry Laboratory (pre-req or co-req CHEM 226)		CHEM 227	2	
AND				
Principles of Biochemistry (pre-req BIOL 140 and CHEM 226)		BCHM 370 or BIOL 370 or CHEM 370	4	
OR				
Biochemistry I (pre-req BIOL 130, 140 and CHEM 226)		BCHM 470 or BIOL 470 or CHEM 470	4	
Biochemistry II (pre-req BCHM 470)		BCHM 471 or BIOL 471 or CHEM 471	4	



Course Subject	Course Title	Course Number	Credit Hours	DDC*
Math**	Applied Statistics I (pre-req MATH 113 or 115)	STAT 325	4	
	OR			
	Biostatistics I (pre-req MATH 113 or 115)	STAT 301	4	
	AND			
	Calculus I (pre-req MATH 105)	MATH 115	4	GEQT
Physics	Introductory Physics I (pre-req MATH 105)	PHYS 125+lab	4	GENS
	OR			
	General Physics I (pre-req MATH 115)	PHYS 150+lab	4	
English or Writing Composition	Writing & Rhetoric I	COMP 105 or COMP 110	3	GEWO
	Writing & Rhetoric II	COMP 106 or COMP 220	3	GEWO
Social Sciences	Introduction to Psychology	PSYC 101	3	GESB
	AND/OR			
	Understanding Society	SOC 200	3	GESB
Other	Principles of Speech Communication	SPEE 101	3	GEWO
	Humanities	Other Humanities or Language as required	9	

DDC* = Dearborn Discovery Core

GENS = Natural Sciences

GEWO = Written & Oral Communication

GEWI = Upper-Level Writing Intensive

GEQT = Quantitative Thinking/Problem Solving

GESB = Social & Behavioral Analysis

GECC = Critical & Creative Thinking

** = HHS 410: Quantitative Research & Stats (4 Credit Hours) is accepted by [some](#) HP Graduate programs.

Please note: Some Pharmacy Schools, as noted above, do not accept AP credit for some prerequisite courses. Check with your respective schools' websites well before you apply.