

**University of Michigan - Dearborn**

Listed below are the equivalent required courses from the institution listed above needed to satisfy prerequisite requirements for admission to the Manchester University College of Pharmacy.

Area of study	Equivalent Required Course	Semester Hours
Biology*	BIOL 103 Anatomy and Physiology I and lab -or- BIOL 357 Human Physiology (which is changing to a new course 21SP)	4
	<i>various</i>	3-4
Microbiology	BIOL 385 Microbiology	4
General Chemistry	CHEM 134 General Chemistry IA & lab -or- CHEM 144 General Chemistry IB & lab	4
General Chemistry	CHEM 136 General Chemistry IIA & lab -or- CHEM 146 General Chemistry IIB & lab	4
Organic Chemistry	CHEM 225 Organic Chemistry I	3
Organic Chemistry	CHEM 226 Organic Chemistry II	3
Communications	SPEE 101 Principles of Speech Communication -or- SPEE 310 Interpersonal Communication	3
English	COMP 105 -or- COMP 106 -or- COMP 110	3
Calculus	MATH 113 Calc I for Biology & Life Sci -or- MATH 115 Calculus I	4
Statistics	STAT 263 Introduction to Statistics -or- STAT 301 Biostatistics I	3
Physics	PHYS 125 Introductory Physics I & lab -or- PHYS 150 General Physics I & lab	4
Economics	ECON 2001 Introductory Economics -or- ECON 201 Prin: Macroeconomics -or- ECON 202 Prin: Microeconomics	3
Humanities electives (2)	<i>Various options</i>	6-8
Social Science elective	<i>Various options</i>	3-4
Other elective courses	<i>Various options</i>	As needed to total at least 60 semester credit hours
<b>TOTAL SEMESTER HOURS</b>		<b>60</b>

**Notes:**

- Course listings are based on the 2019-2020 undergraduate course catalog
- If semester hours differ at your institution, you must make up the remaining semester hours via elective coursework.
- Manchester University suggests that at least one of the humanities/social science electives deals primarily with an international culture.

\* One of the two semesters of the full-year biology requirement, must be anatomy, physiology, or a combination of both (i.e. Human Anatomy & Physiology I). The other semester can be any biology course of your choosing.