

**University of Toledo**

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 2150/2160 Fundamentals Of Life Science: Diversity Of Life, Evolution And Adaptation/Lab -or- BIOL 2170/2180 Fundamentals of Life Science: Biomolecules, Cells, and Inheritance/Lab (preferred)	3-4
	<i>various</i>	3-4
Microbiology	BIOL 4030/4040 Microbiology/Lab	4
General Chemistry	CHEM 1230/1280 General Chemistry I/Lab	4
General Chemistry	CHEM1240/1290 General Chemistry II/Lab	4
Organic Chemistry	CHEM 2410/2460 Organic Chemistry I/Lab	4
Organic Chemistry	CHEM 2420/2470 Organic Chemistry II/Lab	4
Communications	COMM 1010 Comm Principles And Practices	3
English	ENG 1110 College Composition I -or- ENG 1130 College Composition II: Academic Disciplines And Discourse	3
Calculus	MATH 1750 Calculus For The Life Sciences With Applications I	4
Statistics	MATH 2600 Introduction To Statistics	3
Physics	PHYS 2070 General Physics I	4
Economics	ECON 1010 Introduction To Economic Issues -or- ECON 1150 Principles Of Macroeconomics -or- ECON 1200 Principles Of 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:**

- Classes based on the 2019-20 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.