

**The Ohio State University**

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*	Anatomy 2300.01 Human Anatomy	4
	<i>various</i>	3-4
Microbiology	M4000 Basic and Practical Microbiology -or- M4100 General Microbiology	4-5
General Chemistry	CHEM 1210 General Chemistry I -or- CHEM 1910H Honors General Chemistry I	5
General Chemistry	CHEM 1220 General Chemistry II -or- CHEM 1920H Honors General Chemistry II	5
Organic Chemistry	CHEM 2510/2540 Organic Chemistry I/Lab	6
Organic Chemistry	CHEM 2520/2550 Organic Chemistry II/Lab	6
Communications	COMM 2110 Principles of Effective Public Speaking -or- COMM 2131 Business and Professional Speaking	3
English	English 1110.01 First Year English Composition	3
Calculus	Math 1151 Calculus I	5
Statistics	Statistics 1350 Elementary Statistics	3
Physics	Physics 1200 Mechanics, Kinematics, Fluids, Waves	5
Economics	Economics 2001.01 Principles of Microeconomics -or- Economics 2002.01 Principles of Macroeconomics	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.