

**Vanderbilt 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*	MHS 3101 Human Anatomy and Physiology I	4
	<i>Various</i>	3-4
Microbiology	BSCI 3234 Microbial Ecology and Evolution	4
General Chemistry	CHEM 1601/1601L General Chemistry/Lab	4
General Chemistry	CHEM 1602/1602L General Chemistry/Lab	4
Organic Chemistry	CHEM 2221/2221L Organic Chemistry/Lab	4
Organic Chemistry	CHEM 2222/2222L Organic Chemistry/Lab	4
Communications	CMST 1500 Fundamentals of Public Speaking	3
English	ENGL 1100 Composition	3
Calculus	MATH 1200 Single-Variable Calculus I	4
Statistics	MATH 2820 Introduction to Probability and Mathematical Statistics	3
Physics	PHYS 1501/1501L Introductory Physics for the Life Sciences I/Lab	4
Economics	ECON 1010 Principles of Macroeconomics -or- ECON 1020 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.