

University of Norte Dame

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*	BIO 40339 Human Gross Anatomy -or- BIO 41344 Vertebrate (Human) Physiology Laboratory (preferred)	3-4
	<i>Various options</i>	3-4
Microbiology	BIO 30401/31401 Principles of Microbiology/Lab	4
General Chemistry	CHEM 10171/11171 Introductions to Chemical Principles/Lab	4
General Chemistry	CHEM 10181/11181 Introductions to Chemical Principles/Lab	4
Organic Chemistry	CHEM 20273/21273 Organic Reactions and Applications/Lab	4
Organic Chemistry	CHEM 20283/21283 Organic Reactions and Applications/Lab	4
Communications	COMM 103 Introduction to Communication -or- COMM 200 Interpersonal Communication	3
English	One FYC course	3
Calculus	MATH 10550 Calculus I	4
Statistics	MATH 346 Statistics	3
Physics	PHYS 10310 Engineering Physics I: Mechanics	4
Economics	ECON 30010 Intermediate Economic Theory-Micro -or- ECON 30020 Intermediate Economic Theory-Macro	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
TOTAL SEMESTER HOURS		60

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.