

Ferris 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 -or-	Semester Hours
Biology*	BIOL 321/322 Human Physiology-Anatomy I and II (recommended)	8
	<i>various</i>	3-4
Microbiology	BIOL 386 Microbiology and Immunology	5
General Chemistry	CHEM 121 General Chemistry I	5
General Chemistry	CHEM 122 General Chemistry II	5
Organic Chemistry	CHEM 321 Organic Chemistry I	5
Organic Chemistry	CHEM 322 Organic Chemistry II	5
Communications	COMM 121 Fundamentals-Public Speaking	3
English	ENGL 250 English II	3
Calculus	MATH 220 Analytical Geometry-Calculus I	4
Statistics	MATH 251 Stats for the Life Sciences	3
Physics	PHYS 211 Introductory Physics I	4
Economics	ECON 201 Principles of Microeconomics -or- ECON 202 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
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.