

Grand Valley 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*	BIO 120/121 General Biology I and II	8
	<i>various</i>	3-4
Microbiology	BMS 212/213 Introductory Microbiology/Lab	4
General Chemistry	CHM 115 Principles of Chemistry I	4
General Chemistry	CHM 116 Principles of Chemistry II	5
Organic Chemistry	CHM 241 Organic Chemistry For Life Sciences I	5
Organic Chemistry	CHM 242 Organic Chemistry For Life Sciences II	4
Communications	COM 201 Speech	3
English	WRT 150 Strategies in Writing	4
Calculus	MTH 201 Calculus	4
Statistics	STA 215 Introduction Applied Statistics	3
Physics	PHY 220 General Physics	5
Economics	ECO 210 Introductory Macroeconomics -or- ECO 211 Introductory 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
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.