

University of Saint Francis

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*	BIOL 221 Human Anatomy & Physiology I -or- BIOL 218 Human Anatomy	3
	<i>various</i>	3-4
Microbiology	BIOL 223 Introduction to Microbiology -or- BIOL 226 Microbiology	3-4
General Chemistry	CHEM 141 Principles of Chemistry I	4
General Chemistry	CHEM 142 Principles of Chemistry II	4
Organic Chemistry	CHEM 241 Organic Chemistry I	4
Organic Chemistry	CHEM 242 Organic Chemistry II	4
Communications	COMM 121 Fund of Public Communication	3
English	ENGL 101 Rhetoric & Composition -or- ENGL 103 College Writing	3-5
Calculus	MATH 223 Calculus I	4
Statistics	MATH 302 Statistics	3
Physics	SCIE 257 Physics I	4
Economics	ECON 207 Macroeconomic Theory -or- ECON 208 Microeconomic Theory	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:

- Course listings are based on the 2019-2020 undergraduate 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.