



**COLLEGE of PHARMACY,
NATURAL & HEALTH SCIENCES**

Course equivalency chart for:

**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 Pharmacy Program.

Area of study	Equivalent Required Course	Semester Hours
Biology	<i>Various options (BIOL 271 and 272 encouraged)</i>	6-8
Microbiology	BIOL 223 or BIOL 226	4
General Chemistry	CHEM 141	4
General Chemistry	CHEM 142	4
Organic Chemistry	CHEM 241	4
Organic Chemistry	CHEM 242	4
Communications	COMM 121	3
English	ENGL 101 or 103	3
Calculus	MATH 223	3
Statistics	MATH 302	3
Physics	SCIE 257	4
Economics	ECON 207 + ECON 208	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 most recently available school year 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.