



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</i>	6-8
Microbiology	BIOL-220	4
General Chemistry	CHEM-150 & 151	4
General Chemistry	CHEM-160 & 161	4
Organic Chemistry	CHEM-250 & 251	4
Organic Chemistry	CHEM-260 & 261	4
Communications	COMM-140/141	3
English	ENGL 101	3
Calculus	MATH-190	4
Statistics	MATH-220 or 245	3
Physics	PHYS-150 or 153	4
Economics	ECON-110 or 111	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
		<b>60</b>

**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.