



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
<b>Biology</b>	<i>Various options</i>	6-8
<b>Microbiology</b>	BIOL 220	4
<b>General Chemistry</b>	CHEM 115	4
<b>General Chemistry</b>	CHEM 116	4
<b>Organic Chemistry</b>	CHEM 254/255 or CHEM 261/265	4
<b>Organic Chemistry</b>	CHEM 256/258 or CHEM 262/266	4
<b>Communications</b>	COM 114	3
<b>English</b>	ENG-W131	3
<b>Calculus</b>	MATH 229	3
<b>Statistics</b>	STAT 240 or 301	3
<b>Physics</b>	PHYS 220	4
<b>Economics</b>	Either Econ-E 200/201/202	3
<b>Humanities electives (2)</b>	<i>Various options</i>	6-8
<b>Social Science elective</b>	<i>Various options</i>	3-4
<b>Other elective courses</b>	<i>Various options</i>	As needed to total at least 60 semester credit hours
<b>TOTAL SEMESTER HOURS</b>		<b>60</b>

**Notes:**

- Classes based on the most recently available undergraduate bulletin
- 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.