

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	(General Microbiology) BIO SCI M 122	4
General Chemistry	CHEM 1A + CHEM 1 LA	4
General Chemistry	CHEM 1B/CHEM 1C + CHEM 1LC	4
Organic Chemistry	CHEM 51A/CHEM 51B + CHEM 51LB	4
Organic Chemistry	CHEM 51C/CHEM 51LC/CHEM 51LD	4
Communications	HUMAN H145	4
English	WRITING 37 or WRITING 39B	3
Calculus	MATH 2A or MATH 5B	4
Statistics	STATS 7	4
Physics	PHYSICS 3A	4
Economics	ECON 1 or ECON 20A	4
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 University of California Irvine General Course Catalog 2016-2017
- 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.

ia, Irvine