

**University of California - San Diego**

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*	FPM 40535/40559 Anatomy & Physiology/Lab	7
	<i>various</i>	3-4
Microbiology	BIMM 120/121 Microbiology/Lab	8
General Chemistry	CHEM 6A/6B General Chemistry	8
General Chemistry	CHEM 6C/7L General Chemistry/Lab	8
Organic Chemistry	CHEM 40A/B Organic Chemistry I and II	8
Organic Chemistry	CHEM 40C/43M Organic Chemistry III/Lab	8
Communication	COMM 10 Introduction to Communication	4
English	<i>Various options</i>	3-4
Calculus	MATH 150 Calculus I	4
Statistics	MATH 120 Introduction to Statistics	3
Physics	PHYS 102 Physics, Energy, and Information	3
Economics	ECON 101 Principles of Microeconomics -or- ECON 102 Principles of Macroeconomics	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>TOTAL SEMESTER HOURS</b>		<b>60</b>

**Notes:**

- Classes based on the 2019-20 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.