

**University of California - Riverside**

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*	BIOL 171/L Human Anatomy and Physiology/Lab	5
	<i>various</i>	3-4
Microbiology	BIOL 121/L Microbiology/Lab	7
General Chemistry	CHEM 1A/LA General Chemistry/Lab	7
General Chemistry	CHEM 1B/LB General Chemistry/Lab	7
Organic Chemistry	CHEM 8A/LA Organic Chemistry/Lab	7
Organic Chemistry	CHEM 8B/LB Organic Chemistry/Lab	7
Communications	ENGL 8 Oral Communication -or- TFDP 50 Public Speaking	4
English	ENGL 1A Beginning Composition -or- ENGL 1PA Beginning Composition: Intensive	4
Calculus	MATH 7A Calculus for Life Sciences -or- MATH 9A First-Year Calculus	4
Statistics	STAT 40 Elements of Statistics	4
Physics	PHYS 2A General Physics	4
Economics	ECON 2 Introduction to Macroeconomics -or- ECON 3 Introduction to Microeconomics	5
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.