

Ball State University

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*	ANAT 201 Fundamentals of Human Anatomy -or- PHYS 215 Human Physiology	3-4
	<i>various</i>	3-4
Microbiology	BIO 313 Microbiology	4
General Chemistry	CHEM 111 General Chemistry 1	4
General Chemistry	CHEM 112 General Chemistry 2	4
Organic Chemistry	CHEM 231 Organic Chemistry for Molecular-Based Sciences: Part 1	4
Organic Chemistry	CHEM 232 Organic Chemistry for Molecular-Based Sciences: Part 2	4
Communications	COMM 210 Fundamentals of Public Communication	3
English	ENG 104 Composing Research	3
Calculus	MATH 165 Calculus 1	4
Statistics	MATH 181 Elementary Probability and Statistics -or- PSYC 241 Statistics -or- MATH 221 Probability and Statistics -or- BIO 448 Biometry	3
Physics	PHYC 110 General Physics 1	4
Economics	ECON 116 Survey of Economic Ideas -or- ECON 201 Elementary Microeconomics -or- ECON 202 Elementary 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
TOTAL SEMESTER HOURS		60

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.