

Ivy Tech Community College

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	Honors Courses
Biology*	APHY 203 Human Anatomy & Physiology I	5	N
	<i>various</i>	4	N
Microbiology	BIOL 211 Microbiology I	3	N
General Chemistry	CHEM 105 General Chemistry I	4	CHEM 105H
General Chemistry	CHEM 106 General Chemistry II	4	CHEM 106H
Organic Chemistry	CHEM 211 Organic Chemistry I	5	N
Organic Chemistry	CHEM 212 Organic Chemistry II	5	N
Communications	COMM 101 Fundamentals of Public Speaking -or- COMM 102 Introduction to Interpersonal Communication -or- COMM 202 Small Group Communication	3	COMM 101H
English	ENGL 111 English Composition	3	ENGL 111H
Calculus	MATH 211 Calculus I	4	MATH 211H
Statistics	MATH 200 Statistics	3	N
Physics	PHYS 101 Physics I	4	N
Economics	ECON 101 Economic Fundamentals -or- ECON 201 Principles of Macroeconomics -or- ECON 202 Principles of Microeconomics	3	ECON 201H & ECON 202H
Humanities electives (2)	<i>Various options</i>	6-8	Various
Social Science elective	<i>Various options</i>	3-4	Various
Other elective courses	<i>Various options</i>	As needed to total at least 60 semester credit hours	Various (as needed to earn 24 H-hours and to complete 60 credit transfer degree)
TOTAL SEMESTER HOURS		60	

Notes:

- Classes based on the course catalog dated 4/2/19.
- 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.