

College of Lake County

Listed below are the equivalent required courses from the 2020-2021 CLC course catalog needed to satisfy prerequisite requirements for admission to the Manchester University Doctor of Pharmacy Program.

Area of study	Equivalent Required Course	Semester Hours
Biology*	BIO 244 Anatomy and Physiology I	4
	NOTE: BIO 123 or 161 (4 credit hrs) is prerequisite to BIO 244)	4
	BIO 245 Anatomy and Physiology II	4
Microbiology	BIO 246 Microbiology	4
General Chemistry	CHM 121 General Chemistry	5
General Chemistry	CHM 123 General Chemistry II	5
Organic Chemistry	CHM 222 Organic Chemistry I	5
Organic Chemistry	CHM 223 Organic Chemistry II	5
Communications	CMM 121 Fundamentals of Speech	3
English	ENG 121 English Composition I	3
Calculus	MTH 145 Calculus I	5
	NOTE: MTH 144 (5 credit hrs) is prerequisite to MATH 145	
Statistics	MTH 142 General Education Statistics	3
Physics	PHY 121 General Physics I	5
Economics	ECO 221 Principles of Macroeconomics	3
Humanities electives (2)	Humanities elective	3
	- Fine Arts elective (required for A.S.)	3
	Make sure at least one of the courses fulfill the CLC I/M requirement	
Social Science elective	Social & Behavioral Science Course other than ECO (for A.S.)	3
Other elective courses	<i>Various options</i>	As needed to total at least 60 semester credit hours
		TOTAL SEMESTER HOURS

Notes:

- 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.