

Manchester University

College of Pharmacy, Natural & Health Sciences

Program Planning Guide – College of Pharmacy - A.S. TO PharmD

Use in tandem with the Articulation Agreement on this webpage:

<http://www.clcillinois.edu/student-services/counseling-advising-transfer/transfer-planning/transfer-guides/guides-and-agreements>

Manchester University agrees to grant a Doctor of Pharmacy degree to those CLC students who successfully complete the prerequisite requirements and the Manchester University Pharm.D. requirements as specified in the University's Pharmacy Bulletin at the time of admission to the Doctor of Pharmacy program. See all requirements in [the articulation agreement](#).

Students need to:

- successfully complete each prerequisite course with no grade lower than a "C"
- cumulative grade point average (GPA) of 2.5, calculated from all course grades earned at both CLC and through other institutions from which courses are transferred to CLC (if applicable)

The table below lists the Manchester prerequisite requirements in **bold**. Also listed are prerequisites to Manchester's required courses **highlighted in yellow and bulleted**, and two additional courses required to complete the CLC A.S. degree that are bulleted. Note: the A.S. degree is not a requirement for admission to Manchester, but completing the A.S. before transferring is a recommended option. Consult an Academic Success Advisor to review the best option for you.

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
English	ENG 122 English Composition II (CLC A.S. requirement)	3
Calculus	MTH 145 Calculus I	5
	NOTE: MTH 144 (5 credit hours) is prerequisite to MTH 145	5
Statistics	MTH 142 General Education Statistics 3	3
Physics	PHY 121 General Physics I	5
Economics	ECO 221 Principles of Macroeconomics	3
Humanities electives (2)	Humanities elective	3
	<ul style="list-style-type: none"> • Fine Arts elective (required for A.S.) Make sure at least one of the courses fulfill the CLC I/M requirement	3
Social Science elective	<ul style="list-style-type: none"> • Social & Behavioral Science Course other than ECO (for A.S.) 	3
	Bolded Courses required for Manchester admission	60
	<ul style="list-style-type: none"> • Bulleted and not bolded are A.S. requirements 	6
	Highlighted are prerequisites to higher level requirements	9
	Total hours to meet admission requirements and earn A.S. degree	Total 75

Below is **one possible plan** for courses taken at College of Lake County. The plan below meets the degree requirements for the Associate in Science degree from the College of Lake County as well as the prerequisites for Manchester.

Fall Semester**Spring Semester**

Year 1 at College of Lake County	
BIO 161: General Biology I (4 cr)	BIO 244: Anatomy and Physiology I (4 cr)
CHM 121: General Chemistry I (5 cr)	CHM 123: General Chemistry II (5 cr)
ENG 121: English Composition I (3 cr)	ENG 122: English Composition II (3 cr)
MTH 144: Precalculus (5 cr)	MTH 145: Calculus and Analytic Geometry (5 cr)
Summer 1 at College of Lake County	
MTH 142: Gen Ed Statistics (3 cr)	
CMM 121: Fundamentals of Speech (3 cr)	
Year 2 at College of Lake County	
BIO 245: Anatomy and Physiology II (4 cr)	BIO 246 Microbiology (4 cr)
CHM 222: Organic Chemistry I (5 cr)	CHM 223: Organic Chemistry II (5 cr)
PHY 121: General Physics I (5 cr)	ECO 221 or 222: Macro or Microecon (3 cr)
PHI 125: Introduction to Ethics ¹ (3 cr)	Fine Arts elective ¹ (3 cr)
	PSY 121: Introduction to Psychology (or other Social & Behavioral Science) (3 cr)
Summer 2 at College of Lake County (Optional)	
Optional - PHY 122: General Physics II (5 cr)	
PHY 122 is <u>not</u> required for admission to Manchester or to complete the A.S., however some pharmacy programs require both PHY 121 & 122 as prerequisites. If applying to additional pharmacy programs it is recommended to take both courses at CLC.	
Total Hours: 75 semester hours (not including summer 2 option)	
¹ Take PHI 125 or other Humanities elective. PHI 125 fulfills a Humanities <u>and</u> the CLC International/ Multicultural (I/M) requirement. The Humanities or Fine Arts elective must fulfill the I/M req.	