

## Pre-Pharmacy Course Requirements at University of Minnesota -Twin Cities

The pre-pharmacy requirements can be completed in a minimum of two years. Many applicants complete the pre-pharmacy requirements during the application process. All pre-pharmacy requirements must be completed with a grade of C- or better. Advanced Placement (AP) courses taken in high school may be used to fulfill pre-pharmacy requirements. All pre-pharmacy requirements must be completed before students start their first day of class in the PharmD program.

University of Minnesota – Twin Cities courses that fulfill CUW’s requirements are listed concurrently. **This is not the only path to successfully completing the prerequisite courses. Contact us with questions regarding course completion.**

	CUW Requirement	Credits	Dept #	University of Minnesota- Twin Cities Course Name
Science Core Courses	Biology I (w/Lab)	4	BIOL 1009	General Biology
			BIOL 2002	Foundations of Biology for Biological Sciences Majors, Part I
	Biology II (w/Lab)	4	Various	contact CUWSOP for confirmation
			BIOL 2003	Foundations of Biology for Biological Sciences Majors, Part II
	General Chemistry I (w/Lab)	4	CHEM 1081/1065	Chemistry for Life Sciences I and Lab
	General Chemistry II (w/Lab)	4	CHEM 1082/1086	Chemistry for Life Sciences II and Lab
	Organic Chemistry I (w/Lab)	8	Chem 2081/2085	Chemistry for Life Sciences III and Lab (5 cr)
	Organic Chemistry II (w/Lab)		BIOC 3022	Biochemistry for the Life Sciences (3 cr)
	Physics I (Lab optional)	3-4	PHYS 1101W	Introductory College Physics I
Advanced Science Elective	4-5		<i>Physics II, Anatomy &amp; Physiology, Biochemistry, Cell Biology, Molecular Biology, Microbiology, etc.</i>	
<b>Total Science Credits</b>		<b>32</b>		
Support Courses	Calculus	3	MATH 1142	Short Calculus
			MATH 1271	Calculus I
	Statistics	3	STAT 1101	Introduction to the Ideas of Statistics
	College-Level Writing	3	WRIT 1201	Writing Studio
			WRIT 1301	University Writing
	Interpersonal Communications/ Public Speaking	3	COMM 1101	Introduction to Public Speaking
General Education Electives	12		<i>Electives can come from wide variety of classes; ex. History, Literature, Philosophy, Theology, Foreign Language, Social Sciences, Physical Education, etc.</i>	
<b>Total Support Credits</b>		<b>24</b>		
<b>Total Pre-Pharmacy Credits</b>		<b>56</b>		