

Sample Program for Pre-Pharmacy 3+ Dual Degree Biology Major (updated 2025)

Freshman					
Fall			Spring		
Course		Credits	Course		Credits
CHE161	General Chemistry 1	4	CHE162	General Chemistry 2	4
CHE168	General Chemistry Lab 1	1	CHE169	General Chemistry Lab 2	1
MAT118	College Algebra (or higher)	4	BIO202	Principles of Biology 2	4
COM101	Introduction to Communication	3	ENG101	Writing & Rhetoric	3
COL101	Intro to College Exp	1	LAS101	Liberal Arts Seminar	1
THE 1xx	General Education	3	XXX	General Education (Fine Arts)	3
		16			16
Sophomore					
Fall			Spring		
CHE221	Organic Chemistry 1	3	CHE222	Organic Chemistry 2	3
BIO201	Principles of Biology 1	4	CHE228	Organic Chemistry Lab 1	1
THE 2xx	General Education	3	PHY 151	General Physics 1	4
Soc.Sci.	ANT 102 or SOC 101 or PSY 101	3	HIS	History	3
	Free Elective	3	PED100	Health & Wellness	1
				Free Elective	3
		16			15
Junior					
Fall			Spring		
BIO 360	Genetics or BIO Elecitive	4	BIO331	Cell Bio or BIO Elecitive	4
BIO 310	Biostatistics	3	ENG	English Literature	3
BCH/CHE	BCH 350 or CHE 210	3	BIO	Organismal Biology Course	4
BIO 380	Ecology	4	THE 4xx	General Education	3
THE 3xx	General Education	3	LAS401	Liberal Arts Capstone	2
		17			16

Courses used to fulfill prerequisites for admission to the MCW School of Pharmacy are highlighted in red.

This sample program assumes students have completed at least two years of foreign language study in high school. This also assumes reverse transfer of 26 total credits from the School of Pharmacy to fulfill the requirements for a Bachelor of Science degree (minimum of 120 total credits) with a major in Biology as follows:

MCW Year 1 PharmD course		WLC reverse transfer course	Credits toward B.S.
512	Clinical Human Anatomy w/ Lab	BIO 401	2
513	Human Physiology	BIO 402	3
516	Human Pathophysiology	BIO electives	21
530	Medical Terminology		26
540/1	Intro. Pharmacy Practice Experience		
510	Clinical Immunology		
560	Microbiology		