



Suggested degree path for the
**BACHELOR OF SCIENCE DEGREE IN CHEMISTRY (PRE-PHARMACY;
 CHPH)**
 2024-25 Catalog

Name: _____ **ID#:** _____ **Phone #:** _____

Schedule classes with only one section (e.g., PHYS 101, 102, 203 204, CHEM 221, 222, 300, 302) first. Avoid postponing Physics because that would push back when you can take Physical Chemistry and upper level chemistry courses and make it difficult to finish in four years.

<i>Fall Semester (recommended hours)</i>		<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>Year/ Semester</u>	<u>Course Sub / Suggested</u>	
J U N I O R Y E A R	CHEM 303 Physical Chem. I	Pre MATH165, CHEM106, PHYS202	3			PHYS102 = PHYS202	
	CHEM 305 Phys. Chem. I Lab	Co CHEM303	1				
	CHEM 435 Biochemistry I	Pre CHEM222	3				
	CHEM 437 Biochemistry Lab.	Co CHEM435	1				
	BIOL 114 Human Anatomy and Physiology I	Pre: Eligibility for MATH 100 or 117	3				
	BIOL 115 Human A&P Lab I	Credit or enrollment in BIOL 114	1				
	MATH 301 Elem. Statistical Methods	Pre MATH165 eligible and ENGL102	3				
							<i>Total Hours: 15</i>
	<i>Spring Semester (recommended hours)</i>						
	CHEM 304 Physical Chem. II	Pre CHEM303	3				
CHEM 306 Phys. Chem. II Lab.	Pre CHEM305 Co CHEM304	1					
CHEM 405 Instr. Analysis	Pre CHEM302, 303	3					
CHEM 407 Instr. Anal. Lab.	Pre or Co CHEM405	2					
BIOL 116 Human A&P II	Pre: BIOL 114	3					
BIOL 117 Human A&P II Lab	Credit or enrollment in BIOL 116	1					
ENGL 368 Tech. & Prof. Writ. or ENGL 468	Pre ENGL102(C)	3					
						<i>Total Hours: 16</i>	
S E N I O R Y E A R	<i>Fall Semester (recommended hours)</i>		<u>Prerequisite Information</u>	<u>Hours</u>	<u>Grade</u>	<u>Year/ Semester</u>	<u>Course Sub / Suggested</u>
	Free Electives (300+)			4			See (1) below
	Social Science Elective			3			See (1) below
	CMPS 130 Intro. Comp. Sci. I		Pre MATH 100 or 101(C)	3			
	BIOL or CHEM Elective (300+)			4			See (2) below, BIOL 320 recommended
							<i>Total Hours: 14</i>
	<i>Spring Semester (recommended hours)</i>						
	CHEM 450 Senior Seminar		Pre CHEM306	1			Take during last semester
	Social Science Elective			3			See (1) below
	Fine Arts Elective			3			See catalog for options
Humanities Elective		See catalog.	3			See catalog for options	
BIOL or CHEM Elective (300+)			3			See (2) below, BIOL 440 recommended	
						<i>Total Hours: 13</i>	

Total Hours for Degree 120

Approved electives: (1) Xavier requires either PSYC 101 or SOCI 151 as a social science elective. Both ULM and William Carey require an economics course. William Carey requires Econ plus 2 social sciences.

(2) ULM requires Genetics (Biol 322) and Cell Biology (Biol 440). Take those courses for the Biol/Chem Electives if you plan to apply to ULM.

40-Hour Requirement. You are required to have at least 40 hours from courses at the 300 and 400 level.

This program is designed for those who want to earn a BS degree in chemistry and prepare to enter a college of pharmacy. Every pharmacy school has different requirements. Xavier requires courses not on this plan. Discuss with your advisor where you plan to apply. Students may be able to complete pharmacy admission requirements in three years and apply to pharmacy school without a BS degree.