



Bachelor of Science in Chemistry w/ Biochemistry Concentration (120 hours)

This table shows a sample recommended course sequence for this degree based on the **UHD 2025-26 Undergraduate Catalog**. Students should verify degree requirements and registration plans with an advisor to ensure accuracy. Please note that some degrees and colleges have specific GPA and other requirements. Courses with asterisks (*) indicate Common Core courses.

First Year (Freshman 0-29 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
ENG 1301*	3		ENGL 1301	Composition I		ENG 1302*	3		ENGL 1302	Composition II
MATH 2401*	4		MATH 2413	Calculus I		CHEM 1308/1108*	4		CHEM 1312/ CHEM	General Chemistry II w/ Lab
CHEM* 1307/1107	4		CHEM 1311/ 1111	General Chemistry I w/ Lab		BIOL 1301/1101 (General Biology w/ Lab)	4		BIOL 1306/BIOL 1106	General Biology w/ Lab
UHD 1303 (Freshman Seminar*)	3					MATH 2402	4		MATH 2414	Calculus II
Total Hours	14					Total Hours	15			

Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
CHEM 2301/2101 (Organic Chem I w/ Lab)	4					CHEM 2302/2102 (Org CHEM 2 w/ Lab)	4			
BIOL 1302/1102 (General Biology 2 w/ Lab)	4					PHYS 1307/1107	4		PHYS 1301/1101	Physics w/ Lab
Language, Philosophy, and Culture*	3					STAT 3311 (Stats Natural Science) or CS 1408 or CS 1411	3		COSC 1436	Programming Fundamentals
Creative Arts Course*	3					POLS 2306*	3		GOVT 2306	Texas Government
Total Hours	14					Total Hours	14			

Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM		Semester 2	Hours	Grade	TCCNS	ACGM
CHEM 3330/3130 (Physical CHEM I w/ Lab)	4					CHEM 3332/3132 (Physical CHEM II w/ Lab)	4			

CHEM 3310/3110 (Quant Analysis w/ Lab)	4				CHEM 4340/4140 (Biochem w/ Lab)	4			
PHYS 1308/1108	4		PHYS 1302/1102	College Physics II w/ Lab	American History Course*	3			
BIOL 2303/2103 (General Genetics)	4		BIOL 2316/2116	General Genetics w/ Lab	Social & Behavioral Sciences*	3			
					BIOL 3320 (Human Physiology)	3			
Total Hours	16				Total Hours	17			

Fourth Year (Senior 90-120 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
CHEM 4362/4162 (Advanced Inorganic Chemistry w/ Lab)	4				BIOL 4320 (Cell Bio) or BIOL 4330 (Molecular Bio)	3			
CHEM 3300 (Research)	3				CHEM 4342 (General Biochem II) or CHEM 4344 - Fall course (Pharm & Tox.)	3			
American History Course	3				Oral Communication	3			
Technical Writing	3				POLS 2305*	3		GOVT 2305	Federal Government
Free Elective (if needed)	3				Free Elective (if needed)	2			
Total Hours	16				Total Hours	14			