

## Bachelor of Science in Physical Sciences (Chemistry 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 1312/1112	General Chemistry II w/ Lab
CHEM 1307/1107*	4		CHEM 1311/1111	General Chemistry I w/ Lab	POLS 2305*	3		GOVT 2305	Federal Government
UHD 1303* (Freshman Seminar*)	3				Language, Philosophy, & Culture*	3			
<b>Total Hours</b>	<b>14</b>				<b>Total Hours</b>	<b>13</b>			

### Second Year (Sophomore 30-59 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
CS 1411 (Intro to CS w/ Python)	4				GEOL 1306/1106 (Historical Geology)	4		GEOL 1304/1104	Historical Geology w/ Lab
GEOL 1305/1105 (Physical Geology)	4		GEOL 1303/1103	Physical Geology w/ Lab	Oral Communication *	3			
POLS 2306*	3		GOVT 2306	Texas Government	Social and Behavioral Sciences Course*	3			
CHEM 2301/2101 (Organic Chem I)	4				PHYS 1307/1107	4		PHYS 1301/1101	Physics w/ Lab
<b>Total Hours</b>	<b>15</b>				<b>Total Hours</b>	<b>14</b>			

### Third Year (Junior 60-89 hrs)

Semester 1	Hours	Grade	TCCNS	ACGM	Semester 2	Hours	Grade	TCCNS	ACGM
Creative Arts Course*	3				CHEM 4410 (Instrumental Methods of Analysis)	4			

<b>CHEM 3310/3110</b> (Quantitative Analysis & Lab)	4				<b>American History Course*</b>	3			
<b>PHYS 1308/1108</b>	4		PHYS 1302/1102	College Physics II w/ Lab	<b>Chemistry Conc Hours</b>	4			
<b>American History</b>	3				<b>Upper Level Elective</b>	3			
<b>Upper Level Science Elective</b>	3								
<b>Total Hours</b>	<b>17</b>				<b>Total Hours</b>	<b>14</b>			
<b>Fourth Year (Senior 90-120 hrs)</b>									
<b>Semester 1</b>	<b>Hours</b>	<b>Grade</b>	<b>TCCNS</b>	<b>ACGM</b>	<b>Semester 2</b>	<b>Hours</b>	<b>Grade</b>	<b>TCCNS</b>	<b>ACGM</b>
<b>CHEM 3300</b> (Chem Conc Hrs)	3				<b>Chemistry Conc Hours</b>	3			
<b>Upper Level Science Elective</b>	3				<b>Upper Level Science Elective</b>	3			
<b>Upper Level Elective</b>	3				<b>Upper Level Elective</b>	3			
<b>Upper Level Elective</b>	3				<b>Upper Level Elective</b>	2			
<b>Upper Level Science Elective</b>	3				<b>Free Electives</b> (if needed)	4			
<b>Free Electives</b> (if needed)	3								
<b>Total Hours</b>	<b>18</b>				<b>Total Hours</b>	<b>15</b>			