

## Chemistry - Bachelor of Science and Bachelor of Arts College of Natural Sciences & Mathematics

### I. CORE REQUIREMENTS (46 hours)\*

Course Name	Hours	TCCNS	UH
<b>Communication (6 hours)</b>			
English Composition I	3	ENGL 1301	ENGL 1301
English Composition II	3	ENGL 1302	ENGL 1302
<b>Mathematics (8 hours)</b>			
Calculus I	4	MATH 2413	MATH 2413
Calculus II	4	MATH 2414	MATH 2414
<b>Life &amp; Physical Sciences (8 hours)</b>			
General Chemistry I	4	CHEM 1311/1111 or 1411	CHEM 1311/1111
General Chemistry II	4	CHEM 1312/1112 or 1412	CHEM 1312/1112
<b>Creative Arts (3 hours)</b>			
Choose <b>one</b> course from your current college's core approved list.			
<b>Language, Philosophy, &amp; Culture (3 hours)</b>			
Choose <b>one</b> course from your current college's core approved list.			
<b>Social &amp; Behavioral Sciences (3 hours)</b>			
Choose <b>one</b> course from your current college's core approved list.			
<b>American History (6 Hours)</b>			
United States History I	3	HIST 1301	HIST 1301
United States History II	3	HIST 1302	HIST 1302
<b>Government/Political Sciences (6 hours)</b>			
Federal Government	3	GOVT 2305	GOVT 2305
Texas Government	3	GOVT 2306	GOVT 2306
<b>Writing in the Disciplines (3 hours)</b>			
Choose <b>one</b> course from your current college's core approved <b>Component Area Option</b> list.			

### II. MAJOR REQUIREMENTS (20 hours)\*

Course Name	Hours	TCCNS	UH
Calculus 3	4	MATH 2415	MATH 2415
Organic Chemistry I	4	CHEM 2323/2123 or 2423	CHEM 2323/2123
Organic Chemistry II	4	CHEM 2325/2125 or 2425	CHEM 2325/2125
University Physics I	4	PHYS 2325/2125 or 2425	PHYS 2325/2125
University Physics II	4	PHYS 2326/2126 or 2426	PHYS 2326/2126

### III. ADDITIONAL ELIGIBLE SCIENCE COURSES (Choose 6 hours)\* **Bachelor of Science ONLY**.\*

Course Name	Hours	TCCNS	UH
Biology for Science Majors I	3	BIOL 1306 or 1406	BIOL 1306
Biology for Science Majors II	3	BIOL 1307 or 1407	BIOL 1307
Anatomy & Physiology I	3	BIOL 2301 or 2401	BIOL 2301
Anatomy & Physiology II	3	BIOL 2302 or 2402	BIOL 2302
Microbiology for Science Majors	3	BIOL 2321 or 2421	BIOL 2321
Physical Geology	3	GEOL 1303 or 1403	GEOL 1303
Historical Geology	3	GEOL 1304 or 1404	GEOL 1304
Oceanography	3	GEOL 1345 or 1445	GEOL 1345
Meteorology	3	GEOL 1347 or 1447	GEOL 1347

### IV. SOPHOMORE-LEVEL FOREIGN LANGUAGE REQUIREMENTS (6 hours) - **Bachelor of Arts ONLY**.\*

<b>Six (6) hours of sophomore 2000-level Foreign Language:</b>			
Six (6) hours of sophomore-level foreign-language courses: 2311 & 2312 in American Sign Language, Arabic, Chinese, French, German, Greek, Hindi, Italian, Japanese, Latin, Russian, Spanish, Turkish, or Vietnamese			

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**\*TRANSFER CREDIT LIMIT:**

**A maximum of 66 hours (grades C- or better) of 1000/2000 level transfer hours may be applied toward a UH degree.** These are the 66 hours that best meet the degree requirements for your UH degree combination (Major, Double Major, Double Degree, and Minor).

- Students who currently attend UH should refer to their departmental advisor **BEFORE** taking courses at another college.
- Courses listed above are **suggested** courses for this degree. Other courses in combination may apply to a degree.
- See department or course catalog for further information on your degree plan.

**Texas Undergraduate In-State Tuition Enrollment Cap**

Under current rules, Texas resident undergraduate students who enrolled for the first time in a Texas public institution of higher education in fall 1999 or later may be charged a premium tuition rate after they reach an established enrollment cap. For details, see <https://www.uh.edu/provost/policies-resources/student/#enrollment-cap>