

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

### I. CORE REQUIREMENTS (43 hours)\*

| Course Name   | Hours | TCCNS                  | UH             |
|---|-------|------------------------|----------------|
| <b>Communication (6 hours)</b>  |       |                        |                |
| English Composition I   | 3     | ENGL 1301              | ENGL 1303      |
| English Composition II  | 3     | ENGL 1302              | ENGL 1304      |
| <b>Mathematics (8 hours)</b>  |       |                        |                |
| Calculus I  | 4     | MATH 2413              | MATH 1431      |
| Calculus II   | 4     | MATH 2414              | MATH 1432      |
| <b>Life &amp; Physical Sciences (8 hours)</b>   |       |                        |                |
| General Chemistry I   | 4     | CHEM 1311/1111 or 1411 | CHEM 1331/1111 |
| General Chemistry II  | 4     | CHEM 1312/1112 or 1412 | CHEM 1332/1112 |
| <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 1377      |
| United States History II  | 3     | HIST 1302              | HIST 1378      |
| <b>Government/Political Sciences (6 hours)</b>  |       |                        |                |
| Federal Government  | 3     | GOVT 2305              | POLS 1337      |
| Texas Government  | 3     | GOVT 2306              | POLS 1336      |
| <b>Writing in the Disciplines</b>   |       |                        |                |
| Must be taken at University of Houston if student is not core-complete at the time of transfer. |       |                        |                |

### II. MAJOR REQUIREMENTS (12 hours)\*^

| Course Name           | Hours | TCCNS                  | UH             |
|-----------------------|-------|------------------------|----------------|
| Calculus 3            | 4     | MATH 2415              | MATH 2433      |
| University Physics I  | 4     | PHYS 2325/2125 or 2425 | PHYS 1321/1121 |
| University Physics II | 4     | PHYS 2326/2126 or 2426 | PHYS 1322/1122 |

### III. Additional Eligible Science Courses (6 hours)\*^ **Bachelor of Science ONLY:\***

| Course Name                   | TCCNS             | UH        |
|-------------------------------|-------------------|-----------|
| Biology for Science Majors I  | BIOL 1306 or 1406 | BIOL 1361 |
| Biology for Science Majors II | BIOL 1307 or 1407 | BIOL 1362 |
| Physical Geology              | GEOL 1303 or 1403 | GEOL 1330 |
| Historical Geology            | GEOL 1304 or 1404 | GEOL 1376 |

### 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 |  |

\*\*\*\*\*

^ Students that are seeking completion of the Chemistry major are required to complete Organic Chemistry coursework at University of Houston to receive advanced credit and meet residency and advanced hours requirements.

#### \*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

[http://www.uh.edu/provost/stu/stu\\_enrollcapqs.html](http://www.uh.edu/provost/stu/stu_enrollcapqs.html)