

## Biology - 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 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>                             |       |                        |                |
| Biology for Science Majors I                                              | 4     | BIOL 1306/1106 or 1406 | BIOL 1306/1106 |
| Biology for Science Majors II                                             | 4     | BIOL 1307/1107 or 1407 | BIOL 1307/1107 |
| <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>                                         |       |                        |                |
| Choose <b>two</b> courses from your current college's core-approved list. |       |                        |                |
| <b>Government/Political Sciences (6 hours)</b>                            |       |                        |                |
| Federal Government                                                        | 3     | GOVT 2305              | GOVT 2305      |
| Texas Government                                                          | 3     | GOVT 2306              | GOVT 2306      |

### II. Major Requirements (27 hours)\*

| Course Name                                                                                                                                     | Hours | TCCNS                                                                                                                     | UH                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Anatomy & Physiology I <sup>#</sup> <b>OR</b><br>Anatomy & Physiology II <sup>#</sup> <b>OR</b><br>Microbiology for Science Majors <sup>#</sup> | 3     | BIOL 2301 <b>OR</b><br>BIOL 2302 <b>OR</b><br>BIOL 2321                                                                   | BIOL 2301 <b>OR</b><br>BIOL 2302 <b>OR</b><br>BIOL 2321                                   |
| General Chemistry I                                                                                                                             | 4     | CHEM 1311/1111 or 1411                                                                                                    | CHEM 1311/1111                                                                            |
| General Chemistry II                                                                                                                            | 4     | CHEM 1312/1112 or 1412                                                                                                    | CHEM 1312/1112                                                                            |
| Organic Chemistry I                                                                                                                             | 4     | CHEM 2323/2123 or 2423                                                                                                    | CHEM 2323/2123                                                                            |
| Calculus III <sup>^</sup>                                                                                                                       | 4     | MATH 2415                                                                                                                 | MATH 2415                                                                                 |
| College Physics I and<br>College Physics II<br><b>OR</b><br>University Physics I and<br>University Physics II                                   | 8     | PHYS 1301/1101 or 1401 and<br>PHYS 1302/1102 or 1402<br><b>OR</b><br>PHYS 2325/1125 or 2425 and<br>PHYS 2326/1126 or 2426 | PHYS 1301/1101 and<br>PHYS 1302/1102<br><b>OR</b><br>PHYS 2325/1125 and<br>PHYS 2326/1126 |

### III. Bachelor of Arts Special Degree Requirements (6 hours)\* - Bachelor of Arts Major **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, Korean, Latin, Russian, Spanish, or Vietnamese |

<sup>#</sup>BIOL 2301/2302/2321 are the only options at community colleges to satisfy the 3 hour BIOL elective. Other UH options are available - 3000/4000 level BIOL courses.

<sup>^</sup>Calculus III is one of the three options available to satisfy the major's final Math requirements (the other options are UH-**only** MATH 3338, Probability or MATH 3339, Statistics for the Sciences).

#### \*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 [Texas Enrollment Cap | Office of the Provost | University of Houston](#)