

## Biotechnology - Bachelor of Science College of Engineering Technology Majors

### I. Core Requirements (42 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 (7 hours)</b>   |       |                        |                |
| Elementary Statistical Methods   | 3     | MATH 1342              | MATH 1342      |
| Calculus I   | 4     | MATH 2413              | MATH 2413      |
| <b>Life &amp; Physical Sciences (8 hours)</b>                            |       |                        |                |
| Biology for Science Majors I   | 4     | BIOL 1306/1106 or 1406 | BIOL 1306/1106 |
| General Chemistry I  | 4     | CHEM 1311/1111 or 1411 | CHEM 1311/1111 |
| <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>                     |       |                        |                |
| Introduction to Ethics   | 3     | PHIL 2306              | PHIL 1305      |
| <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      |

### II. Major Requirements (25-26 hours) \*

| Course Name   | Hours | TCCNS                                    | UH             |
|---|-------|--|----------------|
| Biology for Science Majors II                                       | 4     | BIOL 1307/1107 or 1407                   | BIOL 1307/1107 |
| Introduction to Biotechnology I <b>or</b><br>Intro to Biotechnology | 3-4   | BIOL 1414 <b>or</b><br>BITC 1311 or 1411 | BTEC 1322      |
| Microbiology for Science Majors                                     | 4     | BIOL 2321/2121 or 2421                   | BIOL 2321/2121 |
| Principles of Management  | 3     | BMGT 1327                                | HDCS 3300^     |
| General Chemistry II  | 4     | CHEM 1312/1112 or 1412                   | CHEM 1312/1112 |
| Organic Chemistry I   | 4     | CHEM 2323/2123 or 2423                   | CHEM 2323/2123 |
| College Physics I   | 3     | PHYS 1301 or 1401                        | PHYS 1301      |

<sup>^</sup>Lower-level credit only. To graduate, students must earn at least 36 hours of advanced-level credit.

#### \*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](#)