

**BS-BIOLOGY**Ecology/Microbiology/Aquatic & Marine Biology Specialization  
2018-2019

| Year 1 | Semester 1 Fall   | Semester 2 Spring   | Summer | Total |
|--------|---|---|--------|-------|
|        | BIOL 1306 & BIOL 1106<br>Biology for Science Majors I & Lab I | BIOL 1307 & BIOL 1107<br>Biology for Science Majors II & Lab II |        |       |
|        | CHEM 1311 & CHEM 1111<br>General Chemistry I & Lab I          | CHEM 1312 & CHEM 1112<br>General Chemistry II & Lab II          |        |       |
|        | HIST 1301 or POLS 2305<br>US History I or Federal Government  | HIST 1302 or POLS 2306<br>US History II or Texas Government     |        |       |
|        | WRIT 1301 Composition I                                       | WRIT 1302 Composition II  |        |       |
|        | PSYC 1100 Learning Frameworks                                 |   |        |       |
|        | Semester Hours  |   |        |       |
|        | 4   | 4   |        |       |
|        | 3   | 4   |        |       |
|        | 3   | 3   |        |       |
|        | 3   | 3   |        |       |
|        | 1   |   |        |       |
|        | 15  | 14  | 0      | 29    |
| Year 2 | Semester 1 Fall   | Semester 2 Spring   | Summer | Total |
|        | CHEM 2323 & 2123<br>Organic Chemistry I & Lab I               | BIOL 2321 & BIOL 2121<br>Microbiology for Science Majors & Lab  |        |       |
|        | HIST 1301 or POLS 2305<br>US History I or Federal Government  | CHEM 2325 & CHEM 2125<br>Organic Chem II & Lab II               |        |       |
|        | MATH 2413 Calculus I  | HIST 1302 or POLS 2306<br>US History II or Texas Government     |        |       |
|        | PHYS 1301 & PHYS 1101<br>College Physics I & Lab I            | PHYS 1302 & PHYS 1102<br>College Physics II & Lab II            |        |       |
|        | Semester Hours  |   |        |       |
|        | 4   | 4   |        |       |
|        | 3   | 4   |        |       |
|        | 4   | 3   |        |       |
|        | 4   | 4   |        |       |
|        | 15  | 15  | 0      | 30    |

| Year 3 | Semester 1 Fall   | Semester 2 Spring | Summer   | Total |   |       |
|--------|---|-------------------|--|-------|---|-------|
|        | BIOL 2428 or 3313 & 3113<br>Anatomy & Lab Core                                    | 4                 | Two of BIOL 3311, 4325, 4313/4113,<br>4334, 4349<br>Specialization Major Requirement | 3-4   |   |       |
|        | BIOL 3333 Environmental Biology   | 3                 | BIOL 4311 Ecology  | 3     |   |       |
|        | BIOL 4341 & 4242 Biochemistry I & Lab   | 5                 | BIOL 4343 or BIOL 4344 (summer only)<br>Physiology Major Requirement                 | 3     |   |       |
|        | COMM 1315 Public Speaking   | 3                 | STAT 3308 Computational Statistics   | 3     |   |       |
|        |   |                   | WRIT 3315 Technical Writing  | 3     |   |       |
|        | Semester Hours  | 15                |  | 15-16 | 0 | 30-31 |
| Year 4 | Semester 1 Fall   | Semester 2 Spring | Summer   | Total |   |       |
|        | Two of BIOL 3311, 4325, 4313/4113, 4334,<br>4349 Specialization Major Requirement | 3-4               | BIOL 4278 Biology Seminar  | 2     |   |       |
|        | BIOL 3341 & BIOL 3141<br>Molecular Genetics & Lab                                 | 4                 | CORE Creative Arts   | 3     |   |       |
|        | BIOL 4323 Field Biology   | 3                 | CORE Language, Philosophy & Culture  | 3     |   |       |
|        | CORE Social Behavioral Science  | 3                 | 3000-4000 level Approved Major Elective *  | 3     |   |       |
|        | 3000-4000 level Approved Major Elective *   | 3                 | 3000-4000 level Approved Major Elective *  | 3     |   |       |
|        |   |                   | 3000-4000 level Approved Major Elective *  | 1     |   |       |
|        | Semester Hours  | 16-17             |  | 15    | 0 | 31-32 |
|        | Total Plan Hours  |                   |  |       |   | 120   |

\* Choose from BIOL 4327, 3335, 4305, 4361, 4347, 4253, 4391, 4189, 4289, 4389, x2xx, x3xx or other class as approved by faculty advisor

- State of Texas Core Curriculum Course. Please refer to the 2016-2017 UHCL Undergraduate Catalog ([www.uhcl.edu/catalog](http://www.uhcl.edu/catalog)) for approved options.
- This document is only intended as a guide. Please see an academic advisor for assistance with academic planning.

