

Name:

Date:

PeopleSoft ID:

# Checklist for BS in Biology

| Tr | UH | <b>BIOLOGY (38 Hours):</b>                             |
|----|----|--------------------------------------------------------|
|    |    | BIOL 1106 Biology for Science Majors I Lab             |
|    |    | BIOL 1306 Biology for Science Majors I                 |
|    |    | BIOL 1107 Biology for Science Majors II Lab            |
|    |    | BIOL 1307 Biology for Science Majors II                |
|    |    | BIOL 3311 Advanced Methods and Writing in Genetics Lab |
|    |    | BIOL 3301 Mendelian and Population Genetics            |
|    |    | BIOL 3306 Evolutionary Biology                         |
|    |    | BIOL 4103 Integration of Biological Knowledge          |
|    |    | BIOL 4374 Cellular Biology                             |
|    |    | BCHS 3304 General Biochemistry                         |
|    |    | BIOL 3224 Human Physiology Lab                         |
|    |    | <b>OR</b> BIOL 4206 Ecology and Evolution Lab          |
|    |    | <b>OR</b> BIOL 4272 Cellular Biology Lab               |
|    |    | <b>OR</b> BCBS 3201 General Biochemistry Lab           |
|    |    | BIOL _3_ 3 hours 2000/3000/4000-Level BIOL Elective    |
|    |    | BIOL _3_ 3 hours 3000/4000-Level BIOL Elective         |
|    |    | BIOL _3_ 3 hours 3000/4000-Level BIOL Elective         |
|    |    | BIOL _3_ 3 hours 3000/4000-Level BIOL Elective         |

| Tr | UH | <b>CHEMISTRY (12 Hours):</b>               |
|----|----|--------------------------------------------|
|    |    | CHEM 1111 Fundamentals of Chemistry Lab I  |
|    |    | CHEM 1311 Fundamentals of Chemistry I      |
|    |    | CHEM 1112 Fundamentals of Chemistry Lab II |
|    |    | CHEM 1312 Fundamentals of Chemistry II     |
|    |    | CHEM 2123 Organic Chemistry Lab I          |
|    |    | CHEM 2323 Organic Chemistry I              |

| Tr | UH | <b>PHYSICS (8 Hours):</b>        |
|----|----|----------------------------------|
|    |    | PHYS 1101 College Physics I Lab  |
|    |    | PHYS 1301 College Physics I      |
|    |    | PHYS 1102 College Physics II Lab |
|    |    | PHYS 1302 College Physics II     |

| Tr | UH | <b>OR</b>                           |
|----|----|-------------------------------------|
|    |    | PHYS 2125 University Physics Lab I  |
|    |    | PHYS 2325 University Physics I      |
|    |    | PHYS 2126 University Physics Lab II |
|    |    | PHYS 2326 University Physics II     |

| Tr | UH | <b>MATHEMATICS (12 Hours):</b>                  |
|----|----|-------------------------------------------------|
|    |    | MATH 2413 Calculus I                            |
|    |    | MATH 2414 Calculus II                           |
|    |    | MATH 2415 Calculus III                          |
|    |    | <b>OR</b> MATH 3338 Probability                 |
|    |    | <b>OR</b> MATH 3339 Statistics for the Sciences |

| Tr | UH | <b>FREE ELECTIVES</b><br>(Additional hours to complete a total of <b>120 hours</b> , including at least <b>36 advanced hours</b> ) |
|----|----|------------------------------------------------------------------------------------------------------------------------------------|
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## RULES YOU NEED TO KNOW:

1. MINIMUM of a **2.00 GPA** in cumulative, major, and minor GPA to graduate
2. **C- RULE:** MAXIMUM of **6 hours of grades below C-** allowed in UH BIOL courses
3. **PRE-REQ RULE:** Must earn a C- or better in all BIOL courses
4. See **Residency Rule** here: <https://publications.uh.edu/content.php?catoid=56&navoid=21157>
5. MAXIMUM of **6 W's** allowed during entire undergraduate career
6. MINIMUM of **36 advanced hours** and **120 total hours** to graduate
7. MAXIMUM of **66 lower level transfer hours** may be applied towards UH degree

## \*EXAMPLES OF BIOLOGY ELECTIVES

(Check UH Course Catalog for Pre-Requisites)

|                |                                     |                                                           |
|----------------|-------------------------------------|-----------------------------------------------------------|
| BIOL 2301/2302 | Anatomy & Physiology I/II           | Check UH Course Catalog for additional electives options. |
| BIOL 2321      | Microbiology for Science Majors     |                                                           |
| BIOL 3304      | The Biology of Social Behavior**    |                                                           |
| BIOL 3305      | Biodiversity**                      |                                                           |
| BIOL 3324      | Human Physiology                    |                                                           |
| BIOL 3326      | History and Philosophy of Biology** |                                                           |
| BIOL 3330      | Biological Field Research**         |                                                           |
| BIOL 3341      | Human Genetics                      |                                                           |
| BIOL 3345      | Plant Physiology**                  |                                                           |
| BIOL 3350      | Science Communication Strategies**  |                                                           |
| BIOL 3368      | Ecology**                           |                                                           |
| BIOL 4315      | Neuroscience**                      |                                                           |
| BIOL 4320      | Molecular Biology**                 |                                                           |
| BIOL 4323      | Immunology**                        |                                                           |
| BIOL 4324      | Bioinformatics**                    |                                                           |
| BIOL 4347      | Animal Behavior**                   |                                                           |
| BIOL 4354      | Endocrinology**                     |                                                           |
| BIOL 4355      | Human Virology**                    |                                                           |
| BIOL 4373      | Microbial Physiology**              |                                                           |
| BIOL 4384      | Developmental Biology               |                                                           |
| BIOL 3397/4397 | Selected Topics**                   |                                                           |

**\*\*Indicates the course is not offered every semester**

## NSM CAPSTONE (Minimum 6 Advanced Hours):

Must choose from one of the following:

- |                                       |                                                  |
|---------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Minor        | <input type="checkbox"/> Senior Research Project |
| <input type="checkbox"/> Double Major | <input type="checkbox"/> Senior Honors Thesis    |
| <input type="checkbox"/> Dual Degree  | <input type="checkbox"/> teachHouston            |

| Tr | UH |
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## CORE (Check UH Catalog or UH Core Website for Pre-Requisites)

### COMMUNICATION (6 Hours):

ENGL 1301 First Year Writing I  
ENGL 1302 First Year Writing II

### STATE REQUIREMENTS (12 Hours):

American History (3 Hours)  
American History (3 Hours)  
GOVT 2305 U.S. Government: Congress, President, and Court  
GOVT 2306 U.S. and Texas Constitutions and Politics

### FROM APPROVED CORE LIST (12 Hours): Choose from UH Core Website

Creative Arts (3 Hours)  
Language, Philosophy & Culture (3 Hours)  
Social & Behavioral Sciences (3 Hours)  
Writing in the Disciplines (3 Hours)