

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 <b>**WID**</b>
		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> BCHS 3201 General Biochemistry Lab
		BIOL 3 3 hours BIOL Elective*
		BIOL 3 3 hours Advanced BIOL Elective*
		BIOL 3 3 hours Advanced BIOL Elective*
		BIOL 3 3 hours Advanced 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
		<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> (Additional hours to complete a total of <b>120 hours</b> , including at least <b>36 advanced hours</b> )

<b>*EXAMPLES OF BIOLOGY ELECTIVES</b> (Check Catalog for Pre-Requisites)		
BIOL 2301	Anatomy & Physiology I	
BIOL 2302	Anatomy & Physiology II	
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 3341	Human Genetics	
BIOL 3345	Plant Physiology**	
BIOL 3368	Ecology**	
BIOL 4315	Neuroscience**	
BIOL 4320	Molecular Biology**	
BIOL 4323	Immunology**	
BIOL 4324	Bioinformatics**	
BIOL 4347	Animal Behavior**	
BIOL 4351	Current Topics in Reproductive Biology**	
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 at consistent intervals**

### 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	

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

Tr	UH	<b>COMMUNICATION (6 Hours):</b>
		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)
		<b>See BIOL 3311</b> Writing in the Disciplines (3 Hours)***

## RULES YOU NEED TO KNOW:

\*Numbers in parentheses indicate UH course numbers prior to Fall 2021.\*

- MINIMUM of a **2.00 GPA** in cumulative, major, and minor GPA to graduate
- C- RULE:** MAXIMUM of **6 hours of grades below C-** allowed in UH BIOL courses
- PRE-REQ RULE:** Must earn a C- or better in all BIOL courses
- LAST **30 hours** must be exclusively completed at UH
- MAXIMUM of **6 W's** allowed during entire undergraduate career
- MINIMUM of **36 advanced hours** and **120 total hours** to graduate
- MAXIMUM of **66 lower level transfer hours** may be applied towards UH degree

Advisor: \_\_\_\_\_