

Name:

Date:

PeopleSoft ID:

Checklist for BS in Biochemistry

Tr	UH	BIOCHEMISTRY (29 Hours):	
		BCHS 3201	Biochemistry I Lab Fall, Spring
		BCHS 3304	General Biochemistry I Fall, Spring
		BCHS 4311	Biochemistry II Lab Spring *** (WID)
		BCHS 3305	General Biochemistry II Fall, Spring
		BCHS 4304	Biophysics Spring
		BCHS 4306	Nucleic Acids Fall
		BCHS 4307	Proteins Spring
		BCHS __3__	3 hours Advanced BCHS Elective*
		BCHS __3__	3 hours Advanced BCHS Elective*
		BCHS __3__	3 hours Advanced BCHS Elective*

*EXAMPLES OF BIOCHEMISTRY ELECTIVES	
(Check Catalog for Pre-Requisites)	
BCHS 4312	Molecular Modeling of Biogocial Macromolecules**
BCHS 4313	Cell Biochemistry Fall, Spring
BCHS 4314	Biochemistry of Lipids and Carbohydrates**
BCHS 4321	Genomics and Proteomics**
BCHS 4322	Biochemistry of Organelles**
BCHS 4324	Bioinformatics for Biologists**
BCHS 4325	Molecular Microbiology**
BCHS 4361	Clinical Biochemistry**
BCHS 4397	Selected Topics**

****Indicates the course is not offered at consistent intervals**

BIOLOGY (11 Hours):	
	BIOL 1106 (1161) Biology for Science Majors I Lab
	BIOL 1306 (1361) Biology for Science Majors I
	BIOL 1107 (1162) Biology for Science Majors II Lab
	BIOL 1307 (1362) Biology for Science Majors II
	BIOL 3301 Genetics Fall, Spring

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 |

CHEMISTRY (19 Hours):	
	CHEM 1111 (1111) Fundamentals of Chemistry Lab I
	CHEM 1311 (1331) Fundamentals of Chemistry I
	CHEM 1112 (1112) Fundamentals of Chemistry Lab II
	CHEM 1312 (1332) Fundamentals of Chemistry II
	CHEM 2123 (3221) Organic Chemistry Lab I
	CHEM 2323 (3331) Organic Chemistry I
	CHEM 2125 (3222) Organic Chemistry Lab II
	CHEM 2325 (3332) Organic Chemistry II
	CHEM 4370 Physical Chemistry
	OR CHEM 4373 Survey of Physical Chemistry

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PHYSICS (8 Hours):	
	PHYS 1101 (1101) College Physics I Lab
	PHYS 1301 (1301) College Physics I
	PHYS 1102 (1102) College Physics II Lab
	PHYS 1302 (1302) College Physics II
	OR
	PHYS 2125 (1121) University Physics Lab I
	PHYS 2325 (1321) University Physics I
	PHYS 2126 (1122) University Physics Lab II
	PHYS 2326 (1322) University Physics II

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

COMMUNICATION (6 Hours):	
	ENGL 1301 (1303) First Year Writing I
	ENGL 1302 (1304) First Year Writing II

MATHEMATICS (12 Hours):	
	MATH 2413 (1431) Calculus I
	MATH 2414 (1432) Calculus II
	MATH 2415 (2433) Calculus III
	OR MATH 3338 Probability Fall, Spring
	OR MATH 3339 Statistics for the Sciences Fall, Spring

STATE REQUIREMENTS (12 Hours):

	American History (3 Hours)
	American History (3 Hours)
	GOVT 2305 (POLS 1337) U.S. Government: Congress, President, and Court
	GOVT 2306 (POLS 1336) 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)
	See BCHS 4311 Writing in the Disciplines (3 Hours)***

FREE ELECTIVES

(Additional hours to complete a total of 120 hours, including at least 36 advanced hours)

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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 BCHS 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: _____