

Name:

Date:

PeopleSoft ID:

Checklist for BS in Biochemistry

| Tr | UH | BIOCHEMISTRY (29 Hours): | |
|----|----|---------------------------------|------------------------------------|
| | | BCHS 3201 | Biochemistry I Lab |
| | | BCHS 3304 | General Biochemistry I |
| | | BCHS 4311 | Biochemistry II Lab **WID** |
| | | BCHS 3305 | General Biochemistry II |
| | | BCHS 4304 | Biophysics |
| | | BCHS 4306 | Nucleic Acids |
| | | BCHS 4307 | Proteins |
| | | 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 Biological Macromolecules** |
| BCHS 4313 | Cell Biochemistry |
| 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**

| Tr | UH | BIOLOGY (11 Hours): | |
|----|----|----------------------------|-----------------------------------|
| | | 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 3301 | Mendelian and Population Genetics |

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"/> Double Degree | <input type="checkbox"/> teachHouston |

| Tr | UH | CHEMISTRY (19 Hours): | |
|----|----|------------------------------|----------------------------------|
| | | 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 |
| | | CHEM 2125 | Organic Chemistry Lab II |
| | | CHEM 2325 | Organic Chemistry II |
| | | CHEM 4370 | Physical Chemistry |
| | | OR CHEM 4373 | Survey of Physical Chemistry |

| Tr | UH | |
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PHYSICS (8 Hours):

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| | | PHYS 1101 | College Physics I lab |
| | | PHYS 1301 | College Physics I |
| | | PHYS 1102 | College Physics II lab |
| | | PHYS 1302 | College Physics II |
| | | OR | |
| | | PHYS 2125 | University Physics Lab I |
| | | PHYS 2325 | University Physics I |
| | | PHYS 2126 | University Physics Lab II |
| | | PHYS 2326 | University Physics II |

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

MATHEMATICS (12 Hours):

| | | | |
|--|--|---------------------|-----------------------------|
| | | MATH 2413 | Calculus I |
| | | MATH 2414 | Calculus II |
| | | MATH 2415 | Calculus III |
| | | OR MATH 3338 | Probability |
| | | OR MATH 3339 | Statistics for the Sciences |

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

- | | |
|--|--|
| | Language, Philosophy & Culture (3 Hours) |
| | Creative Arts (3 Hours) |
| | Social & Behavioral Science (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)

| Tr | UH | |
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RULES YOU NEED TO KNOW:

- 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