

Name:

Date:

PeopleSoft ID:

### Checklist for BA in Chemistry

| Tr | UH | CHEMISTRY (34 Hours - At least 18 Advanced 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 II Lab                 |
|    |    | CHEM 2325 Organic Chemistry II                     |
|    |    | CHEM 3119 Analytical Chemistry Lab                 |
|    |    | CHEM 3369 Analytical Chemistry                     |
|    |    | CHEM 4370 Physical Chemistry I                     |
|    |    | or CHEM 4372 Physical Chemistry II                 |

| Tr | UH | CHEMISTRY Electives (11 Hours):<br>(11 hours approved advanced hours with at least one lab completed) |
|----|----|---|
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| Tr | UH | PHYSICS (8 Hours):                  |
|----|----|-------------------------------------|
|    |    | PHYS 2125 University Physics Lab I  |
|    |    | PHYS 2325 University Physics I      |
|    |    | PHYS 2126 University Physics Lab II |
|    |    | PHYS 2326 University Physics II     |

| Tr | UH | MATHEMATICS (15 Hours):           |
|----|----|-----------------------------------|
|    |    | MATH 2413 Calculus I              |
|    |    | MATH 2414 Calculus II             |
|    |    | MATH 2415 Calculus III            |
|    |    | MATH 3321 Engineering Mathematics |

| Tr | UH | FOREIGN LANGUAGE (6 Hours): |
|----|----|-----------------------------|
|    |    | Foreign Language 23xx:      |
|    |    | Foreign Language 23xx:      |

| Tr | UH | CORE (Check UH Catalog or UH Core Website for Pre-Requisites) |
|----|----|---|
|    |    | <b>COMMUNICATION (6 Hours):</b>                               |
|    |    | ENGL 1301 First Year Writing I                                |
|    |    | ENGL 1302 First Year Writing II                               |

| Tr | UH | 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       |

| Tr | UH | 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)                            |

| <b>*EXAMPLES OF CHEMISTRY ELECTIVES</b><br>(Check Catalog for Pre-Requisites) |   |
|---|---|
| CHEM 3333 & 3133  | Inorganic Chemistry I & Lab                                 |
| CHEM 3336   | Organic Chemistry of Biological Molecules                   |
| CHEM 4369 & 4229  | Analytical Chemistry II & Lab                               |
| CHEM 4365 & 4115  | Inorganic Chemistry II & Lab                                |
| CHEM 4270   | Physical Chemistry I Lab (4370 must be completed to apply)  |
| CHEM 4272   | Physical Chemistry II Lab (4372 must be completed to apply) |
| CHEM 4330   | Polymer Chemistry   |
| CHEM 4336   | Fundamental Biochemistry                                    |
| CHEM 4364   | Advanced Organic Chemistry                                  |

**\*Select Graduate Level Courses (need consent of Chemistry Faculty Advisor)**

NOTE: At least 6 credit hours must be hands-on laboratory experiences, that include a minimum of 200 contact hours in physical (i.e., not virtual or computer-based) laboratories.

| <b>NSM CAPSTONE (Minimum 6 Advanced Hours):</b> |  |
|---|--|
| Must choose from one of the following:          | <input type="checkbox"/> Minor<br><input type="checkbox"/> Double Major<br><input type="checkbox"/> Dual Degree                            |
|   | <input type="checkbox"/> Senior Research Project<br><input type="checkbox"/> Senior Honors Thesis<br><input type="checkbox"/> teachHouston |

| Tr | UH |
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| Tr | UH | FREE ELECTIVES<br>(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 CHEM courses
- PRE-REQ RULE:** Must earn C- or better in pre-requisite for CHEM 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: \_\_\_\_\_