

Name:

Date:

PeopleSoft ID:

## Checklist for BA in Chemistry

### CHEMISTRY (34 Hours - At least 18 Advanced Hours):

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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

### CHEMISTRY Electives (11 Hours):

(11 hours approved advanced hours with at least one lab completed)

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### PHYSICS (8 Hours):

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PHYS 2125 University Physics Lab I  
 PHYS 2325 University Physics I  
 PHYS 2126 University Physics Lab II  
 PHYS 2326 University Physics II

### MATHEMATICS (15 Hours):

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MATH 2413 Calculus I  
 MATH 2414 Calculus II  
 MATH 2415 Calculus III  
 MATH 3321 Engineering Mathematics

### FOREIGN LANGUAGE (6 Hours):

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Foreign Language 23xx:  
 Foreign Language 23xx:

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

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#### COMMUNICATION (6 Hours):

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

### STATE REQUIREMENTS (12 Hours):

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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

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

### \*EXAMPLES OF CHEMISTRY ELECTIVES

(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.

### NSM CAPSTONE (Minimum 6 Advanced Hours):

Must choose from one of the following:

- ☐ Minor  
☐ Double Major  
☐ Dual Degree  
☐ Senior Research Project  
☐ Senior Honors Thesis  
☐ teachHouston

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### 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.\*

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 CHEM courses
3. **PRE-REQ RULE:** Must earn C- or better in pre-requisite for CHEM courses
4. LAST 30 hours must be exclusively completed at UH
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

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