

Name:

Date:

PeopleSoft ID:

### Checklist for BS in Chemistry

Tr	UH	CHEMISTRY (49 Hours - At least 33 Advanced 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 II Lab
		CHEM 2325 (3332) Organic Chemistry II
		CHEM 3133 (2133) Inorganic Chemistry Lab I
		CHEM 3333 (2233) Inorganic Chemistry I
		CHEM 3119 Analytical Chemistry Lab
		CHEM 3369 Analytical Chemistry
		CHEM 4270 Physical Chemistry Lab I
		CHEM 4370 Physical Chemistry I
		CHEM 4272 Physical Chemistry Lab II
		CHEM 4372 Physical Chemistry II
		CHEM 4229 Instrumental Methods of Analysis Lab
		CHEM 4369 Instrumental Methods of Analysis
		CHEM 4115 Inorganic Chemistry Lab II
		CHEM 4365 Inorganic Chemistry II
		CHEM 4336 Fundamental Biochemistry
		<b>CHEM 43</b> 3 hrs advanced CHEM Elective*

**\*EXAMPLES OF CHEMISTRY ELECTIVES**  
(Check Catalog for Pre-Requisites)

CHEM 3336 Organic Chemistry of Biological Molecules  
 CHEM 4330 Polymer Chemistry  
 CHEM 4364 Advanced Organic Chemistry

*\*Under extraordinary circumstances, select graduate-level courses with consent of Chemistry Undergrad Chair, course instructor & Dept Chair*

**NOTE:** At least 12 credit hours must be hands-on laboratory experiences, that include a minimum of 400 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:
- |                                       |  |
|---------------------------------------|--|
| <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            |

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**PHYSICS (8 Hours):**

		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):**

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ENGL 1301 (1303) First Year Writing I  
 ENGL 1302 (1304) First Year Writing II

**MATHEMATICS (15 Hours):**

		MATH 2413 (1431) Calculus I
		MATH 2414 (1432) Calculus II
		MATH 2415 (2433) Calculus III
		MATH 3321 Engineering Mathematics

**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

**NATURAL SCIENCES (6 Hours)\*\***

		Approved 3 hours:
		Approved 3 hours:

**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)

**FREE ELECTIVES**

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

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

### 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