

Name:

Date:

PeopleSoft ID:

Checklist for BS in Chemistry

Tr	UH	CHEMISTRY (49 Hours - At least 33 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 3133 Inorganic Chemistry Lab I
		CHEM 3333 Inorganic Chemistry I
		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 I Lab
		CHEM 3369 Analytical Chemistry I
		CHEM 4270 Physical Chemistry Lab I
		CHEM 4370 Physical Chemistry I
		CHEM 4272 Physical Chemistry Lab II
		CHEM 4372 Physical Chemistry II
		CHEM 4229 Analytical Chemistry II Lab
		CHEM 4369 Analytical Chemistry III
		CHEM 4115 Inorganic Chemistry Lab II
		CHEM 4365 Inorganic Chemistry II
		CHEM 4336 Fundamental Biochemistry
		CHEM 43 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 Undergraduate Chair, course instructor, and Department*

NOTE: At least 15 credit hours must be hands-on laboratory experiences, that include a minimum of 450 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

☐ Double Degree

☐ Senior Research Project

☐ Senior Honors Thesis

☐ teachHouston

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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

MATHEMATICS (15 Hours):

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

NATURAL SCIENCES (6 Hours)**

		Approved 3 hours:
		Approved 3 hours:

****CANNOT BE OTHER CHEMISTRY OR BIOCHEMISTRY COURSES****

CHECK UH CATALOG FOR ELIGIBILITY AND PRE-REQUISITES

Commonly-taken courses:

BIOL 1306, 1307, 2301, 2302

GEOL 1302, 1303, 1304, 1340, 1345, 1347

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

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

Creative Arts (3 Hours)

Lang., Phil., & Culture (3 Hours)

Social & Behavioral Science (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:

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. See **Residency Rule** here: <https://publications.uh.edu/content.php?catoid=56&navoid=21157>
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