Name: **Date:**

PeopleSoft ID:

Checklist for BS in Chemistry

CHEMISTRY (49 Hours - At least 33 Advanced Hours):

Tr	UH		
		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 II
		CHEM 4115	Inorganic Chemistry Lab II
		CHEM 4365	Inorganic Chemistry II
		CHEM 4336	Fundamental Biochemistry
		CHEM 43___	**3 hrs advanced CHEM Elective***

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*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 Chair

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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

Tr	UH	

PHYSICS (8 Hours):

Tr	UH		
		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):

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

NATURAL SCIENCES (6 Hours)**

Tr	UH	
		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):

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

STATE REQUIREMENTS (12 Hours):

Tr	UH	
		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

Tr	UH	
		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**)

Tr	UH	

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. 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: _____