

Name:

Date:

Major Catalog: 20\_\_ - 20\_\_

PeopleSoft ID:

### Checklist for BA in Physics

Tr	UH	PHYSICS (31 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
		PHYS 3110 Advanced Lab Analysis Fall
		PHYS 3313 Advanced Lab I <b>***(WID)</b> Fall
		PHYS 3312 & PHYS 3112 Modern Optics & Lab Fall Odd Yrs
		<b>OR</b> PHYS 4421 Electronic Devices & Applications Fall Even Yrs
		PHYS 3315 Modern Physics I Spring
		PHYS _3_ Advanced PHYS Elective - 3 hours
		PHYS _3_ Advanced PHYS Elective - 3 hours
		PHYS _3_ Advanced PHYS Elective - 3 hours
		PHYS _3_ Advanced PHYS Elective - 3 hours

Tr	UH	CHEMISTRY (8 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

Tr	UH	MATHEMATICS (24 Hours):
		MATH 2413 (1431) Calculus I
		MATH 2414 (1432) Calculus II
		MATH 2318 (2331) Linear Algebra
		MATH 2415 (2433) Calculus III
		MATH 3331 Differential Equations
		MATH _3_ Advanced Math Elective - 3 hours
		MATH _3_ Advanced Math Elective - 3 hours

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

Tr	UH	FREE ELECTIVES
----	----	----------------

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

### APPROVED ADVANCED PHYSICS ELECTIVES

(Check Catalog for Pre-Requisites)

- PHYS 3305: Introduction to Astrophysics Fall Odd Yrs
- PHYS 3312: Modern Optics Fall Odd Yrs
- PHYS 4337: Introduction to Solid State Physics Spring Odd Yrs
- PHYS 4421: Electronic Devices & their Applications Fall Even Yrs
- PHYS 4350: Computational Physics Spring Even Yrs
- PHYS 4356: Introduction to Particle Physics Fall Even Yrs
- PHYS 4360 Suborbital Methods in Space & Atmospheric Physics
- PHYS 4370 Nanophysics
- PHYS 4397: Selected Topics in Physics (With consent from the Physics Department)

### 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

Tr	UH

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

#### COMMUNICATION (6 Hours):

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

#### 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

#### 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)
- Satisfied by PHYS 3313** Writing in the Disciplines (3 Hours)\*\*\*

## 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 PHYS courses
3. LAST 30 hours must be exclusively completed at UH
4. MAXIMUM of 6 W's allowed during entire undergraduate career
5. MINIMUM of 36 advanced hours and 120 total hours to graduate
6. MAXIMUM of 66 lower level transfer hours may be applied towards UH degree
7. At 60 hours, must request a Major Degree Plan \*REQUIRED TO GRADUATE\*

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

