# Checklist for BA in Physics

## PHYSICS (31 Hours):
- PHYS 2125: University Physics Lab I
- PHYS 2325: University Physics I
- PHYS 2126: University Physics Lab II
- PHYS 2326: University Physics II
- PHYS 3110: Advanced Lab Analysis
- PHYS 3313: Advanced Lab I (WID)
- OR PHYS 3312 & PHYS 3112: Modern Optics & Lab
- PHYS 3315: Modern Physics I
- PHYS 3316: Advanced PHYS Elective - 3 hours
- PHYS 3317: Advanced PHYS Elective - 3 hours

## CHEMISTRY (8 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

## MATHEMATICS (24 Hours):
- MATH 2413: Calculus I
- MATH 2414: Calculus II
- MATH 2318: Linear Algebra
- MATH 2415: Calculus III
- MATH 3331: Differential Equations
- MATH 3316: Advanced Math Elective - 3 hours
- MATH 3317: Advanced Math Elective - 3 hours

## FOREIGN LANGUAGE (6 Hours):
- Foreign Language 23xx:
- Foreign Language 23xx:

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

## 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 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"

## ADVANCED PHYSICS ELECTIVES

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

## CORE (Check UH catalog or 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

## NSM CAPSTONE (Minimum 6 Advanced Hours):

<table>
<thead>
<tr>
<th>Tr</th>
<th>UH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## ADVISOR: ________________________________

---

4.1.2022 AC