Checklist for BS in Geophysics

**GEOLOGY (7 Hours):**
- GEOL 1103 Physical Geology Lab
- GEOL 1303 Physical Geology
- GEOL 3340 Field Methods

**GEOPHYSICS (9 Hours):**
- GEOL 3320 Principles of Geophysics
- GEOL 4355 Geophysical Field Camp
- GEOL 4381 Geophysical Signals & Analysis

**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

**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

**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 Sciences (3 Hours)
- Writing in the Disciplines (3 Hours)

**GROUP 1 ADVANCED GEOPHYSICS ELECTIVES (Choose at least 15 hours from):**
- GEOL 3334 Earthquakes
- GEOL 3383 Remote Sensing
- GEOL 4331 Geophysical Analysis & Applications
- GEOL 4332 Applications of GPS & LIDAR
- GEOL 4370 Global Seismology
- GEOL 4371 Electromagnetic Methods for Energy, Groundwater, & Environmental Applications
- GEOL 4376 Data Analytics & Machine Learning for Geoscientists
- GEOL 4379 Groundwater & Engineering Geophysics
- GEOL 4383 Elements of Reservoir Geophysics
- GEOL 4385 Intro to Marine Geophysics

**GROUP 2 SUPPLEMENTAL ADVANCED ELECTIVES (At least 18 hours of any 3000 or 4000 level GEOL/MATH/PHYS/COSC/PETR/CIVE/ECE/MECE course):**

**NSM CAPSTONE:**
- By virtue of the Geophysics Field Camp & Geophysical Signals & Analysis (GEOL 4355, 4381), students who complete the requirements for the B.S. degree in Geophysics have satisfied the NSM capstone.

**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 major courses
3. **LAST 30 hours** must be exclusively completed at UH
4. **MAXIMUM** of 6 Ws 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. All 60 hours, must request a Major Degree Plan "REQUIRED TO GRADUATE"

Advisor: AC 2.8.2024