

Name:

Date:

PeopleSoft ID:

### Checklist for BS in Environmental Sciences

(The semester or frequency courses are expected to be offered are approximate and not final until the course schedule for that semester is made available.)

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**GEOLOGY (8 Hours):**

- GEOL 1103 Physical Geology Lab
- GEOL 1303 Physical Geology

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**GEOL 1102 & 1302 -OR- GEOL 1147 & 1347**

- GEOL 1102 Intro to Climate Change Lab
- GEOL 1302 Intro to Global Climate Change
- GEOL 1147 Intro to Meteorology Lab
- GEOL 1347 Intro to Meteorology

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**BIOLOGY (8 Hours):**

- BIOL 1106 Biology for Science Majors I Lab
- BIOL 1306 Biology for Science Majors I
- BIOL 1107 Biology for Science Majors II Lab
- BIOL 1307 Biology for Science Majors II

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**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

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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

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**MATHEMATICS (15 Hours):**

- MATH 2413 Calculus I
- MATH 2414 Calculus II
- MATH 2415 Calculus III
- MATH 3339 Statistics for the Sciences

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**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

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**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

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**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)

**\*CHOOSE ONE OPTION FROM:**

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**\*OPTION A : ENVIRONMENTAL GEOSCIENCES:**

- GEOL 3340 Geologic Field Methods Spring
- GEOL 3370 Mineralogy Fall

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**GROUP 1 ELECTIVES (Choose at least 15 hours from):**

- GEOL 3338 Environmental Hydrogeology (offered every other year)
- GEOL 3357 Soils (offered every other year)
- GEOL 4331 Geospatial Analysis and Applications
- GEOL 4334 Environmental Data Analysis (offered every other year)
- GEOL 4365 Environmental Geochemistry (offered every other year)
- GEOL 4367 Geochemical Reaction Modeling (offered every other year)

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**\*OPTION B : ATMOSPHERIC SCIENCE:**

- GEOL 3342 Principles of Air Pollution Spring
- GEOL 3378 Principles of Atmospheric Science Fall

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**GROUP 1 ELECTIVES (Choose at least 15 hours from):**

- GEOL 3382 Atmospheric Chemistry (offered every other year)
- GEOL 4333 Mesoscale Meteorology (offered every other year)
- GEOL 4334 Environmental Data Analysis (offered every 3rd or 4th semester)
- GEOL 4335 Numerical Modeling in Atmospheric Sciences
- GEOL 4336 Atmospheric Radiation (offered every other year)
- GEOL 4340 Aerosols and Climate (offered every other year)
- GEOL 4341 Dynamic Meteorology (offered every other year)
- GEOL 4346 Air Pollution Meteorology (offered every other year)

**\*\*GROUP 2 ELECTIVES (At least 18 hours from APPROVED LIST)**

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**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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**FREE ELECTIVES**

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

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### RULES YOU NEED TO KNOW:

- MINIMUM of a 2.00 GPA in cumulative, major, and minor GPA to graduate
- C- RULE:** MAXIMUM of 6 hours of grades below C- allowed in UH major courses
  - LAST 30 hours must be exclusively completed at UH
  - MAXIMUM of 6 W's allowed during entire undergraduate career
- MINIMUM of 36 advanced hours and 120 total hours to graduate
- MAXIMUM of 66 lower level transfer hours may be applied towards UH degree
- At 60 hours, must request a Major Degree Plan "REQUIRED TO GRADUATE"

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