

Name:

Date:

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

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.)

## Tr UH GEOLOGY (8 Hours):

		GEOL 1103 (1130) Physical Geology Lab Fall, Spring, Summer
		GEOL 1303 (1330) Physical Geology Fall, Spring, Summer

## GEOL 1102 & 1302 -OR- GEOL 1147 (1150) & 1347 (1350)

		GEOL 1102 Intro to Climate Change Lab Fall, Spring
		GEOL 1302 Intro to Global Climate Change Fall, Spring
		GEOL 1147 (1150) Intro to Meteorology Lab Fall, Spring
		GEOL 1347 (1350) Intro to Meteorology Fall, Spring

## BIOLOGY (8 Hours):

		BIOL 1106 (1161) Biology for Science Majors I Lab
		BIOL 1306 (1361) Biology for Science Majors I
		BIOL 1107 (1162) Biology for Science Majors II Lab
		BIOL 1307 (1362) Biology for Science Majors II

## 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

## PHYSICS (8 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

## MATHEMATICS (15 Hours):

		MATH 2413 (1431) Calculus I
		MATH 2414 (1432) Calculus II
		MATH 2415 (2433) Calculus III
		MATH 3339 Statistics for the Sciences

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

## Tr UH 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)
		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

### 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

### 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)


\*\*A general petition must be submitted for approval for all Group 2 Electives to be used towards your degree. See ENVS advisor for approved list.

## NSM CAPSTONE (Minimum 6 Advanced Hours):

Must choose from one of the following:	<input type="checkbox"/> Minor	<input type="checkbox"/> Senior Research Project
	<input type="checkbox"/> Double Major	<input type="checkbox"/> Senior Honors Thesis
	<input type="checkbox"/> Dual Degree	<input type="checkbox"/> 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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Advisor: \_\_\_\_\_

## 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 major 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\*