# Bachelor of Science (BS) in Global Environmental Science

## Environmental Health Sciences Track

**Admissions:** Open  
**Process:** Declaration  
**Min. Total Credits:** 120 (106 in core & major + 14 in electives)

## UHM General Education Core Requirements

<table>
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<tr>
<th>Foundations</th>
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<tbody>
<tr>
<td>FW ENG 100, 100A, 190, ESL 100, or AMST 111</td>
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<tr>
<td>FS MATH 241</td>
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<td>FG (A / B / C)</td>
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<th>Diversification</th>
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<td>DA / DH / DL</td>
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<td>DB BIOL 171</td>
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<td>DP CHEM 161</td>
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<td>DY CHEM 161L</td>
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<td>DS</td>
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*See degree, college and major requirements for courses that can also fulfill these.*

## UHM Graduation Requirements

### Focus

- H
- E (300+)
- O (300+)
- W
- W
- W (300+)
- W (300+)

### Hawaiian / Second Language

The Hawaiian or Second Language requirement is not required for students admitted to the School of Ocean and Earth Science and Technology.

### Credit Minimums

- 120 total applicable
- 30 in residence at UHM
- 45 upper division (300+ level) credits

### Grade Point Average

- 2.0 cumulative or higher *(Note: Other GPAs may be required)*
- Good academic standing

## Degree Requirements

### Bachelor of Science Requirements

- MATH 241*FS
- MATH 242
- MATH 243 or OCN/GG 312
- MATH 244 or ECON 321*DS
- BIOL 171*DH/171L*DY
- BIOL 172*DH/172L*DY
- CHEM 161*DP/161L*DY
- CHEM 162*DP/162L*DY
- PHYS 170*DP/170L*DY
- PHYS 272*DP/272L*DY

- MATH 244 must be taken if MATH 243 is taken.
- OCN/GG 312 must be taken if ECON 321 is taken.

### College Requirements

### Exit Requirements

- Submit the Graduation Worksheet to the Student Academic Services Office at least two semesters preceding the award of the degree.
- Exit interview by SOEST Student Academic Services Office.

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This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements.  
Meet regularly with your major advisor.
Major Requirements for BS in Global Environmental Science Environmental Health Sciences Track

<table>
<thead>
<tr>
<th>Admission: Open</th>
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<tbody>
<tr>
<td>Application: NA</td>
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<tr>
<td>Min. major credits: 86</td>
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<tr>
<td>Min. C grade (not C-) in all courses</td>
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**Requirements**

**Global Environmental Science Basic Science Required Courses (40 credits)**

- BIOL 171* / BIOL 171L*
- BIOL 172* / BIOL 172L*
- CHEM 161* / CHEM 161L*
- CHEM 162* / CHEM 162L*
- PHYS 170* / PHYS 170L*
- PHYS 272* / PHYS 272L*
- MATH 241* / MATH 241L*
- MATH 242
- MATH 243 or OCN/GG 312
- MATH 244 or ECON 321* / ECON 321L*
- OEST 100

*MATH 244 must be taken if MATH 243 is taken. OCN/GG 312 must be taken if ECON 321 is taken.

**Global Environmental Science Core Courses (11 credits)**

- ATMO 200* / ATMO 200L*
- GG 101* / GG 101L* or GG 170* / GG 170L*
- OCN 201* / OCN 201L*

**Global Environmental Science Foundation Courses (18 credits)**

- BIOL/GEOG 410 or GEOG 411
- OCN 100
- OCN 310 or OCN 310L
- OCN 320
- OCN 363
- OCN 401

**Global Environmental Coupled Systems Courses (4 approved courses; 12 credits)**

- PH 201
- PH 310
- PH 340
- PH 341

*Approved coupled systems courses for Environmental Health Sciences track: PH 201, 310, 340, 341.*

**Global Environmental Senior Research Courses (5 credits)**

- OCN 490
- OCN 499

**Notes**

School of Ocean and Earth Science and Technology: Student Academic Services, HIG 135; (808) 956-8763; www.soest.hawaii.edu

Department of Global Environmental Science: MSB 205; (808) 956-2910; ges@soest.hawaii.edu;
www.soest.hawaii.edu/oceanography/GES/

GES Undergraduate Chair: Michael Guidry, PhD; MSB 205E; (808) 956-9935; guidry@hawaii.edu

Track Coordinator: Robert Cooney, PhD; Biomed D-104K; (808) 956-5775; rvcooney@hawaii.edu