## UHM General Education Core Requirements

**Foundations**
- FW: ENG 100, 100A, 190, ESL 100, or AMST 111
- FS: MATH 241
- FG (A / B / C)
- FG (A / B / C)

**Diversification**
- DA / DH / DL
- DA / DH / DL
- DB: BIOL 171
- DP: CHEM 161
- DY: CHEM 161L
- DS
- DS

* 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
- 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*<sup>1</sup>
- MATH 242
- MATH 243 or OCN/GG 312
- MATH 44 or ECON 321*<sup>2</sup>
- CHEM 161*<sup>3</sup> / CHEM 161L*<sup>3</sup>
- CHEM 162*<sup>3</sup> / CHEM 162L*<sup>3</sup>
- PHYS 170*<sup>4</sup> / PHYS 170L*<sup>4</sup>
- PHYS 272*<sup>5</sup> / PHYS 272L*<sup>5</sup>

- 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

**Admission:** Open  
**Application:** NA  
**Min. major credits:** 79  
**Min. C grade (not C-) in all courses**

### Requirements

**Global Environmental Science Basic Science Required Courses (38 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 242  
- MATH 243 or OCN/GG 312  
- MATH 244 or ECON 321*  
- 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)**

- GG 101*  
- GG 101L  
- MET/ATMO 200*  
- OCN 201*  

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

- 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; see catalog for prerequisites)**

- ___________  
- ___________  
- ___________  
- ___________

Examples of approved coupled systems courses: BIOC 241; BIOL 265, 301, 360, and 404; BOT 480; ECON 358, 458; and 638; GEOG 300, 401, 402, 405, and 488; GG 301, 309, 420, 421, 425, 455, and 466; MET/ATMO 302 and 303; MICR 401; NREM 301, 301L, 302, 304, and 461; OCN 330, 331, 403, 480, 620, 621, 622, 623, 633, and 638; PHIL 315/OCN 315 and PHIL 316; POLS 316; SOC 412; ZOOL 410 and 466

**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

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