### UHM General Education Core Requirements
- **Foundations**
  - FW
  - FS
  - FG (A / B / C)
  - FG (A / B / C)
- **Diversification**
  - DA / DH / DL
  - DA / DH / DL
  - DB
  - DP
  - DY
  - DS
  - DS

* See degree, college and major requirements for courses that can also fulfill these.

### Degree Requirements

#### Bachelor of Science Requirements
- MATH 241
- MATH 242
- MATH 243 or OCN/GG 312
- MATH 244 or ECON 321
- CHEM 161 / 161L
- CHEM 162 / 162L
- PHYS 170 / 170L
- PHYS 272 / 272L

- 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.

### UHM Graduation Requirements

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

#### Hawaiian / Second Language
- 101
- 102

#### 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

*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:** 41 (79 with related requirements)  
**Min. C grade (not C-) in all courses**

### Requirements

**Global Environmental Science Basic Science Required Courses (38 credits)**

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

*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*  
- MET 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 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*

### Notes

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GES Undergraduate Chair: Jane Schoonmaker, PhD; MSB 205E; (808) 956-9935; jane@soest.hawaii.edu