### UHM General Education Core Requirements

**Foundations**
- FW
- FS
- FG (A / B / C)
- FG (A / B / C)

**Diversification**
- DA / DH / DL
- DB
- DP
- DY
- 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**
- 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

### Degree Requirements

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

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

* 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*DP / 101L*DY or GG 170*DP/DY
- MET 200*DP
- OCN 201*DP / 201L*DY

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

- GEOG 410 or GEOG 411
- OCN 100
- OCN 310 / 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