



University of Hawai'i at Mānoa
School of Ocean and Earth Science and Technology Program Sheet 2016-2017
Bachelor of Science (BS) in Global Environmental Science
Admissions: Open Process: Declaration
Min. Total Credits: 120 (106 in core & major + 14 in electives)

UHM General Education Core Requirements
Foundations
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS MATH 241
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB BIOL 171
<input type="checkbox"/> DP CHEM 161
<input type="checkbox"/> DY CHEM 161L
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> 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
<ul style="list-style-type: none"> • 120 total applicable • 30 in residence at UHM • 45 upper division (300+ level) credits
Grade Point Average
<ul style="list-style-type: none"> • 2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>) • Good academic standing

Degree Requirements
Bachelor of Science Requirements
<input type="checkbox"/> MATH 241* ^{FS}
<input type="checkbox"/> MATH 242
<input type="checkbox"/> MATH 243 or OCN/GG 312
<input type="checkbox"/> MATH 244 or ECON 321* ^{DS}
<input type="checkbox"/> CHEM 161* ^{DP} / <input type="checkbox"/> 161L* ^{DY}
<input type="checkbox"/> CHEM 162* ^{DP} / <input type="checkbox"/> 162L* ^{DY}
<input type="checkbox"/> PHYS 170* ^{DP} / <input type="checkbox"/> 170L* ^{DY}
<input type="checkbox"/> PHYS 272* ^{DP} / <input type="checkbox"/> 272L* ^{DY}
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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.

*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*^{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}

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*^{DP} / 101L*^{DY} or GG 170*^{DP/DY}

MET/ATMO 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/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