**University of Hawai‘i at Mānoa**  
School of Ocean and Earth Science and Technology Program Sheet 2017-2018  
**Bachelor of Science (BS) in Global Environmental Science**  
**Sustainable Tourism Track**  
Admissions: Open   Process: Declaration  
Min. Total Credits: 120 (106 in core & major + 14 in electives)

### UHM General Education Core Requirements

#### Foundations
- **FW**: ENG 100, 100A, 190, ESL 100, or AMST 111  
- **FS**: MATH 241  
- **FG (A / B / C)**  
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#### 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**  
- **MATH 242**  
- **MATH 243** or **OCN/GG 312**  
- **MATH 244** or **ECON 321**  
- **BIOL 171**  
- **BIOL 172**  
- **CHEM 161**  
- **CHEM 162**  
- **PHYS 170**  
- **PHYS 272**  
  - 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 Sustainable Tourism Track

Admission: Open  
Application: NA  
Min. major credits: 86  
Min. C grade (not C-) in all courses

## Requirements

| Global Environmental Science Basic Science Required Courses (40 credits) |
|-----------------------------|-----------------------------|
| ❑ BIOL 171* / 171L*Y        |
| ❑ BIOL 172* / 172L*Y        |
| ❑ CHEM 161* / 161L*Y        |
| ❑ CHEM 162* / 162L*Y        |
| ❑ PHYS 170* / 170L*Y        |
| ❑ PHYS 272* / 272L*Y        |
| ❑ MATH 241* /FS             |
| ❑ MATH 242                  |
| ❑ MATH 243 or OCN/GG 312    |
| ❑ MATH 244 or ECON 321* /FS |
| ❑ 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* /DP               |
| GG 101* / 101L* or GG 170* /DP |   |
| OCN 201* / 201L*DY          |

## Global Environmental Science Foundation Courses (18 credits)

| BIOL/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)

| TIM 321                      |
| TIM 324                      |
| TIM 415                      |
| TIM 420                      |

*Approved coupled systems courses for Sustainable Tourism track: TIM 321, 324, 415, and 420.*

## 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  
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