



**University of Hawai'i at Mānoa – Four-Year Academic Plan 2015-2016**  
**School of Ocean and Earth Science and Technology**  
**Bachelor of Science (BS) in Global Environmental Science**

**SAMPLE**

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

| Year 1               |           | Year 2                    |           | Year 3               |           | Year 4               |            |
|----------------------|-----------|---------------------------|-----------|----------------------|-----------|----------------------|------------|
| Fall                 |           | Fall                      |           | Fall                 |           | Fall                 |            |
| MATH 241 (FS)        | 4         | MATH 243 or OCN or GG     | 3         | OCN 310              | 3         | OCN 401              | 3          |
| CHEM 161 (DP)        | 3         | 312                       |           | OCN 310L             | 2         | OCN 499              | 3          |
| CHEM 161L (DY)       | 1         | OCN 320                   | 3         | MET/ATMO 200         | 3         | Coupled Systems      | 3          |
| OCN 100              | 1         | PHYS 170                  | 4         | BIOL 171 (DB)        | 3         | Coupled Systems      | 3          |
| FW                   | 3         | PHYS 170L                 | 1         | BIOL 171L            | 1         | Elective 300+        | 3          |
| OEST 100             | 0         | FG (A/B/C)                | 3         | Elective 300+        | 3         |                      |            |
| Elective             | 3         | DH                        | 3         |                      |           |                      |            |
| Credits              | 15        | Credits                   | 17        | Credits              | 15        | Credits              | 15         |
| Spring               |           | Spring                    |           | Spring               |           | Spring               |            |
| MATH 242             | 4         | GG 101/101L               | 4         | Coupled Systems      | 3         | OCN 490              | 2          |
| CHEM 162             | 3         | MATH 244 or ECON 321 (DS) | 3         | BIOL 172             | 3         | OCN 499              | 3          |
| CHEM 162L            | 1         | PHYS 272                  | 3         | BIOL 172L            | 1         | Coupled Systems      | 3          |
| OCN 201              | 3         | PHYS 272L                 | 1         | GEOG 410 or 411      | 3         | Elective 300+        | 3          |
| OCN 201L             | 1         | FG (A/B/C)                | 3         | OCN 363              | 3         | Elective             | 2          |
| DA/DL                | 3         |                           |           | DS*                  | 3         |                      |            |
| Credits              | 15        | Credits                   | 14        | Credits              | 16        | Credits              | 13         |
| Summer               |           | Summer                    |           | Summer               |           | Summer               |            |
|                      |           |                           |           |                      |           |                      |            |
| Credits              | 0         | Credits                   | 0         | Credits              | 0         | Credits              | 0          |
| <b>Total Credits</b> | <b>30</b> | <b>Total Credits</b>      | <b>61</b> | <b>Total Credits</b> | <b>92</b> | <b>Total Credits</b> | <b>120</b> |

**Notes:**

- Students must take placement exams to be able to register for CHEM 161 and MATH 241; ECON 321 and OCN 312 may be taken in place of both MATH 243 and 244; If MATH 243 is taken, MATH 244 must be taken; if ECON 321 is taken, OCN/GG 312 must be taken.
- DS needed if not fulfilled with ECON 321 or any of the Coupled Systems courses.
- Examples of approved global environmental coupled systems courses: BIOC 241; BIOL 265, 301, 360, and 404; BOT 480; ECON 358; 458; and 638; GEOG 300, 401, 402, and 405; 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.
- Students must incorporate all focus requirements into this plan. Focus designations (i.e., W, E, O, H) are CRN specific & semester specific.
- Minimum 45 upper division (300+ course) credits are required.