



**University of Hawai'i at Mānoa**  
**College of Tropical Agriculture and Human Resources Program Sheet 2014-2015**  
**Bachelor of Science (BS) in Natural Resources and Environmental Management**  
**Admissions: Freshmen = Open / Transfer = Min. Criteria Process: Declaration**  
**Min. Total Credits: 120 (107 in core & major + 13 in electives)**

<b>UHM General Education Core Requirements</b>
<b>Foundations</b>
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
<b>UHM Graduation Requirements</b>
<b>Focus</b>
<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+)
<b>Hawaiian / Second Language – choose <u>one</u> option</b>
<input type="checkbox"/> Show proficiency at the 202 level in a language
<input type="checkbox"/> Show proficiency at the 102 level in a language and take an additional social science course and natural science course
<input type="checkbox"/> Take an additional two social science courses and two natural science courses
<b>Credit Minimums</b>
• 120 total applicable
• 30 in residence at UHM
• 45 upper division (300+ level) credits
<b>Grade Point Average</b>
• 2.0 cumulative or higher
• Good academic standing

<b>College Requirements</b>
<b>CTAHR Required Set of Interrelated Courses</b>
<input type="checkbox"/> FAMR 380* <sup>DS</sup> /380L or NREM 310
<input type="checkbox"/> Internship or capstone course (NREM 492/492L)
<b>Credit Minimums</b>
• 120 total applicable



*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 Natural Resources and Environmental Management

Admission: Freshmen = Open; Transfer = Min. entrance GPA of 2.5

Application: NA

Min. major credits: 75-76

Min. exit GPA: 2.0 in the major

### Requirements

#### Natural Resources and Environmental Management Required Basic Courses (11-12 credits)

BIOL 171<sup>\*DB</sup> /  171L<sup>\*DY</sup> *(offered Fall and Summer only)*

BIOL 172<sup>\*DB</sup> /  172L<sup>\*DY</sup> *(offered Spring and Summer only)*

MATH 203<sup>\*FS</sup>, 215<sup>\*FS</sup>, or 241<sup>\*FS</sup>, or NREM 203<sup>\*FS</sup>

#### Natural Resources and Environmental Management Applied Science Program Core Courses (23 credits)

NREM 210<sup>\*DB</sup> *(offered Fall only)*

NREM 220<sup>\*DS</sup> or ECON 130<sup>\*DS</sup> *(NREM 220 offered Fall only)*

NREM 301 /  301L *(offered Spring only)*

NREM 302 *(offered Fall and Spring only)*

NREM 310

NREM 492 /  492L *(NREM 492 offered Fall only; 492L offered Fall and Spring only)*

NREM 494 *(offered Spring only)*

#### NREM Specialization Courses (choose only one specialization)

**Resource Management and Conservation**  
**(38 credits)**

All of the following:

PHYS 151<sup>\*DP</sup> /  151L<sup>\*DY</sup>

CHEM 162<sup>\*DP</sup> /  162L<sup>\*DY</sup>

NREM 477 *(Fall only)*

CHEM 161<sup>\*DP</sup> /  161L<sup>\*DY</sup>

NREM/TPSS 304 *(Fall only)*

**18 upper division credits** in a natural resource specialization area (including one course that emphasizes analytical, lab, or field research methods):

\_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_  
 \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Resource Development and Policy**  
**(37-38 credits)**

All of the following:

CHEM 151<sup>\*DP</sup> /  151L<sup>\*DY</sup> or  CHEM 161<sup>\*DP</sup> /  161L<sup>\*DY</sup>

NREM 341 *(Fall only)*, 351 *(Spring only)* or 429 *(Spring only)*

FAMR 352<sup>\*DS</sup> *(Fall and Spring only)* or NREM 420<sup>DS</sup> *(Fall only)*

NREM/TPSS/ECON 429 *(Spring only)*; NREM 358 *(Summer only)* or 477 *(Fall only)*; or GEOG 413 *(Fall only)*

**12 upper division credits** from social science disciplines (not necessarily a single department):

\_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_  
 \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**3 upper division credits** in social science analytical/field research methods or in advanced communication:

\_\_\_\_\_  \_\_\_\_\_

**9 upper division credits** in specific natural resource area(s) or field study methods:

\_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

### Notes

CTAHR Office of Academic and Student Affairs:

Gilmore 210; (808) 956-8183/(808) 956-6733; acadaff@ctahr.hawaii.edu; www.ctahr.hawaii.edu

NREM Program: Sherman 101; (808) 956-7530; nrem@ctahr.hawaii.edu; www.ctahr.hawaii.edu/nrem

NREM Undergraduate Advisor: Dr. Travis Idol, Sherman 125, (808) 956-7508, idol@hawaii.edu