



**University of Hawai'i at Mānoa**  
**College of Tropical Agriculture and Human Resources Program Sheet 2012-2013**  
**Bachelor of Science (BS) in Natural Resources and Environmental Management**  
**Admissions: Freshmen = Open / Transfer = Min. Criteria Process: Declaration**  
**Min. Total Credits: 128 (107 in core & major + 21 in electives)**

UHM General Education Core Requirements
<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>
UHM Graduation Requirements
<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 ( <i>Note: Other GPAs may be required</i> )
• Good academic standing

College Requirements
<b>CTAHR Required Set of Interrelated Courses</b>
<input type="checkbox"/> FAMR 380*DS/380L or NREM 310
<input type="checkbox"/> Internship or capstone course (NREM 492)
<b>Credit Minimums</b>
• 128 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

Min. exit GPA: 2.0 in the major

### Requirements

#### Natural Resources and Environmental Management Required Basic Courses (15-16 credits)

GEOG 101\*DP /  101L\*DY or GG 101\*DP /  101L\*DY

BIOL 171\*DB /  171L\*DY

BIOL 172\*DB /  172L\*DY

MATH 203\*FS, 215\*FS, or 241\*FS, or NREM 203\*FS

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

NREM 210\*DB

NREM 220\*DS or ECON 130\*DS

NREM 301 /  301L

NREM 302

NREM 310

NREM 492

NREM 494

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

##### Specialization in Resource Management and Conservation (38 credits)

PHYS 151\*DP /  151L\*DY

CHEM 161\*DP /  161L\*DY and  CHEM 162\*DP /  162L\*DY

NREM/TPSS 304

NREM 477

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

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

##### Specialization in Resource Development and Policy (37 credits)

CHEM 151\*DP /  151L\*DY or  CHEM 161\*DP /  161L\*DY

NREM 341 or 351

FAMR 352\*DS

NREM/TPSS/ECON 429; NREM 458 or 477; or GEOG 413

**12 upper division credits** from social science disciplines:

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

**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 226, (808) 956-7508, idol@hawaii.edu