University of Hawai‘i at Mānoa  
College of Tropical Agriculture and Human Resources Program Sheet 2011-2012  
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)

<table>
<thead>
<tr>
<th>UHM General Education Core Requirements</th>
<th>CTAHR Required Set of Interrelated Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foundations</strong></td>
<td><strong>CTAHR Required Set of Interrelated Courses</strong></td>
</tr>
<tr>
<td>□ FW</td>
<td>□ FAMR 380*DS/380L or NREM 310</td>
</tr>
<tr>
<td>□ FS</td>
<td>□ Internship or capstone course (NREM 492)</td>
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<tr>
<td>□ FG (A / B / C)</td>
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<tr>
<td>□ FG (A / B / C)</td>
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<tr>
<td><strong>Diversification</strong></td>
<td></td>
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<tr>
<td>□ DA / DH / DL</td>
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<tr>
<td>□ DB</td>
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<tr>
<td>□ DP</td>
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<tr>
<td>□ DY</td>
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<tr>
<td>□ DS</td>
<td></td>
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<tr>
<td>□ DS</td>
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* See degree, college and major requirements for courses that can also fulfill these.

<table>
<thead>
<tr>
<th>UHM Graduation Requirements</th>
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<tbody>
<tr>
<td><strong>Focus</strong></td>
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<tr>
<td>□ H</td>
</tr>
<tr>
<td>□ E (300+)</td>
</tr>
<tr>
<td>□ O (300+)</td>
</tr>
<tr>
<td>□ W</td>
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<td>□ W</td>
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<tr>
<td>□ W (300+)</td>
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<td>□ W (300+)</td>
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**Hawaiian / Second Language - complete one option**

□ Show proficiency at 202 level.
□ Show proficiency at 102 level; take an extra course in social sciences and in natural sciences (min. 6 credits).
□ Take two extra courses in social sciences and in natural sciences, including one course with a laboratory (min. 13 credits).

<table>
<thead>
<tr>
<th>Credit Minimums</th>
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<tbody>
<tr>
<td>• 124 total applicable</td>
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<tr>
<td>• 30 in residence at UHM</td>
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<tr>
<th>Grade Point Average</th>
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<tbody>
<tr>
<td>• 2.0 cumulative or higher (Note: Other GPAs may be required)</td>
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<tr>
<td>• Good academic standing</td>
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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 Natural Resources and Environmental Management

<table>
<thead>
<tr>
<th>Requirements</th>
<th></th>
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<tbody>
<tr>
<td>Admission: Freshmen = Open; Transfer = Min. entrance GPA of 2.5</td>
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<tr>
<td>Application: NA</td>
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<tr>
<td>Min. major credits: 75</td>
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<tr>
<td>Min. exit GPA: 2.0 in the major</td>
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<thead>
<tr>
<th>Requirements</th>
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<tbody>
<tr>
<td>Natural Resources and Environmental Management Required Basic Courses (15-16 credits)</td>
</tr>
<tr>
<td>GEOG 101<em>DP / 101L</em>DY</td>
</tr>
<tr>
<td>BIOL 171<em>DB / 171L</em>DY</td>
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<tr>
<td>BIOL 172<em>DB / 172L</em>DY</td>
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<tr>
<td>MATH 203<em>FS, 215</em>FS, or 241<em>FS, or NREM 203</em>FS</td>
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<tr>
<th>Requirements</th>
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<tbody>
<tr>
<td>Natural Resources and Environmental Management Applied Science Program Core Courses (23 credits)</td>
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<tr>
<td>NREM 210*DB</td>
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<tr>
<td>NREM 220<em>DS or ECON 130</em>DS</td>
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<tr>
<td>NREM 301 / 301L</td>
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<tr>
<td>NREM 302</td>
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<tr>
<td>NREM 310</td>
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<tr>
<td>NREM 492</td>
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<tr>
<td>NREM 494</td>
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<tbody>
<tr>
<td>NREM Specialization Courses (choose only one specialization)</td>
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<tr>
<td>Specialization in Resource Management and Conservation (38 credits)</td>
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<tr>
<td>PHYS 151<em>DP / 151L</em>DY</td>
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<tr>
<td>CHEM 161<em>DP / 161L</em>DY and CHEM 162<em>DP / 162L</em>DY</td>
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<tr>
<td>NREM/TPSS 304</td>
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<td>NREM 477</td>
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<tbody>
<tr>
<td>18 upper division credits in a natural resource specialization area (including one course that emphasizes analytical, lab, or field research methods):</td>
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<td>__________ __________ __________ __________ __________ __________</td>
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<tbody>
<tr>
<td>Specialization in Resource Development and Policy (37 credits)</td>
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<tr>
<td>CHEM 151<em>DP / 151L</em>DY or CHEM 161<em>DP / 161L</em>DY</td>
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<tr>
<td>NREM 341 or 351</td>
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<tr>
<td>FAMR 352*DS</td>
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<tr>
<td>NREM/TPSS/ECON 429; NREM 458 or 477; or GEOG 413</td>
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<tbody>
<tr>
<td>12 upper division credits from social science disciplines:</td>
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<td>__________ __________ __________ __________ __________ __________</td>
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<tr>
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<tbody>
<tr>
<td>3 upper division credits in social science analytical/field research methods or in advanced communication:</td>
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<td>__________ __________</td>
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<tbody>
<tr>
<td>9 upper division credits in specific natural resource area(s) or field study methods:</td>
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<tr>
<td>__________ __________ __________</td>
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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 Program Director: Linda Cox, PhD; FoodTech 62; (808)956-7602; lcoz@hawaii.edu

NREM Undergraduate Advisor: Carol Ferguson, PhD; Sherman 109; (808) 956-8864; cafergus@hawaii.edu

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