



University of Hawai'i at Mānoa
College of Tropical Agriculture and Human Resources Program Sheet 2016-2017
Bachelor of Science (BS) in Natural Resources and Environmental Management
Admissions: Freshmen = Open / Transfer = Min. Criteria Process: Declaration
Min. Total Credits: 120 (104 in core & major + 16 in electives)

UHM General Education Core Requirements
Foundations
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, or AMST 111
<input type="checkbox"/> FS NREM 203, MATH 203, 215, or 241
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB BIOL 171
<input type="checkbox"/> DP CHEM 161
<input type="checkbox"/> DY CHEM 161L
<input type="checkbox"/> DS NREM 220, ECON 130
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<input type="checkbox"/> H
<input type="checkbox"/> E (300+) NREM 302
<input type="checkbox"/> O (300+) NREM 302
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+) NREM 301L
<input type="checkbox"/> W (300+) NREM 492
Hawaiian / Second Language – choose <u>one</u> option
<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
Credit Minimums
• 120 total applicable
• 30 in residence at UHM
• 45 upper division (300+ level) credits
Grade Point Average
• 2.0 cumulative or higher
• Good academic standing

College Requirements
CTAHR Required Set of Interrelated Courses
<input type="checkbox"/> FAMR 380* ^{DS} /380L or NREM 310
<input type="checkbox"/> Internship or capstone course (NREM 292 & 492)
Credit Minimums
• 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. exit GPA: 2.0 in the major

Requirements

Natural Resources and Environmental Management Basic Courses (15 credits)

BIOL 171^{*DB} / 171L^{*DY} (Pre: CHEM 131 or higher or concurrent) (offered Fall, Summer)

BIOL 172^{*DB} / 172L^{*DY} (Pre: BIOL 171/172) (offered Spring, Summer)

CHEM 161^{*DP} / 161L^{*DY} (Pre: CHEM 131 or placement exam) (offered Fall, Spring, Summer)

MATH 203^{*FS}, 215^{*FS}, or 241^{*FS}, or NREM 203^{*FS} (MATH 203, 215, 241 requires placement exam)
(offered Fall, Spring, Summer)

Natural Resources and Environmental Management Core Courses (27 credits)

NREM 210^{*DB} (offered Fall)

NREM 220^{*DS} or ECON 130^{*DS} (NREM 220 offered Fall/ ECON 130 offered Fall, Spring, Summer)

NREM 292 / 492L (NREM 292 offered Fall; 492 offered Fall, Spring)

NREM 301 / 301L (offered Spring)

NREM 477 (offered Fall)

NREM 302 (offered Fall)

NREM 494 (offered Spring)

NREM 310 (offered Fall, Spring, Summer)

NREM Specialization Courses (choose only one specialization)

Natural Science Pathway (30 credits)

CHEM 162^{*DP} / 162L^{*DY} (offered Fall, Spring, Summer)

NREM/TPSS 304^{*DP, DY} (offered Fall)

PHYS 151^{*DP} / 151L^{*DY} (Pre: MATH 140 or placement exam) (offered Fall, Spring, Summer)

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

_____ _____ _____
 _____ _____ _____

ANSC 445, 446, 450; GEOG 370, 375, 376, 380, 387, 388, 408, 412, 470, 476, 489; HWST 352, 353, 460, 467; NREM 450, 463, 480; TPSS 418, 475; ZOOL 410. And any upper division course with a DB, DP, or DY designation in: BIOC, BOT, CHEM, CEE, GEOG, GG, MBBE, NREM, OCN, PEPS, TPSS, ZOOL.

Social Science Pathway (30 credits)

Business/Decision-making

Community Resources Management

Quantitative Skills

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

_____ _____ _____ _____
 _____ _____ _____

Business/Decision-Making: NREM 341, 351, 358, NREM/TPSS/ECON 429; HRM 351, 361, 467, 468; INS 300; MGT 320; RE 300, 310.

Community Resources Management: NREM 420; COMG 352; FAMR 352; GEOG 414; HRM 353, 354; HWST 458.

Quantitative Analysis: NREM 358 or 429 or GEOG 413.

Specialization Electives: Any upper division DS course.

Natural Resources Area: NREM 380, 450, 461, 463, 467, 480; BOT 350, 450, 453, 454; GEOG 305, 309, 412, 413, 422, 472; PEPS 350, ZOOL 470; and any DB, DP, or DY course listed as a Natural Science Pathway specialization elective.

Notes

CTAHR Academic Advising Office:

Gilmore 1st floor; ctahradv@hawaii.edu

Appointments are required to see an advisor; please visit ctahradv.youcanbook.me/ to schedule an appointment.

CTAHR Office of Academic and Student Affairs:

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