



University of Hawai'i at Mānoa
College of Tropical Agriculture and Human Resources Program Sheet 2017-2018
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: CHEM 131 or higher or concurrent) (*offered Spring, Summer*)
- CHEM 161*^{DP} / 161L*^{DY} (Pre: CHEM 131 or 151 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*) or TPSS 251 (*offered Fall*)
- NREM 220*^{DS} or ECON 130*^{DS} (*NREM 220 offered Fall/ ECON 130 offered Fall, Spring, Summer*)
- NREM 292 / 492 (*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 of electives including 9 in a natural resource area:

- _____ _____ _____ _____
- _____ _____ _____

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