

BS ENVIRONMENTAL MANAGEMENT AND PROTECTION

2011-2013

Units Required: 180

CONCENTRATION _____
MINOR _____

US Cultural Pluralism Met [] YES [] NO
GWR Met [] YES [] NO

*=Courses satisfy GE requirement

Note: No major, support or conc. courses may be taken as credit/no credit.

MAJOR COURSES (132)	Units
NR 140 Careers in Forestry & Env. Management	1
NR 142 Environmental Management	3
NR 215 Land and Resource Measurements	2
NR/BRAE 247** Forest Surveying <i>or</i> BRAE 237 Engineering Surveying I <i>or</i> BRAE 239 Engineering Surveying	2/4
**Prerequisites: NR 215	
NR 306 <i>or</i> BIO 325 Ecology NR 306 Prerequisites: completion of GE Area B2&B4 BIO 325 Prerequisites: BIO 263, or Consent of Instructor	4
NR/LA 318 Applications in GIS Prerequisites completion of GE Area B2&B4	3
NR 326 Natural Resources Economics & Valuation Prerequisites: MATH 161 <i>or</i> MATH 221 <i>or</i> Equivalent	4
NR 335 Conflict Management in Natural Resources Prerequisites: NR 142	4
NR 402 <i>or</i> NR 320 NR 320 Prerequisites: SS 121, NR/LA 318 NR 402 Prerequisites: NR 208 & NR 306 <i>or</i> BIO 325	4
NR/CRP 404 <i>or</i> NR/CRP 408 Prerequisites: Junior Standing	3
NR 412 <i>or</i> NR 461 Senior Project NR 412 Prerequisites: NR 326 & comp of GE Area A3	3
NR 416 Env. Impact Analysis and Management Prerequisites: NR 306 <i>or</i> equivalent and NR 335 <i>or</i> equivalent	4
NR 425 Applied Resource Analysis Prerequisites: NR 416	4
NR 465 Ecosystem Management Prerequisites: NR 416	4
ASCI 329 <i>or</i> BIO 263 <i>or</i> BIO 427 BIO 263 Prerequisites: BIO 161 <i>or</i> Consent of Instructor BIO 427 Prerequisites: BIO 263 <i>or</i> NR 306	3/4
BOT 121 and NR 208 <i>or</i> BIO 161 and BIO 162 (B2 & B4)* <i>or</i> BIO 162 Prerequisites: BIO 161	8 9
BIO 111 and BIO 115	8
BRAE 348 <i>or</i> ENVE 324 (Area F)* Prerequisites: Junior Standing and completion GE Area B	4
CHEM 111 <i>or</i> CHEM 127 (B3)*	5/4
CHEM 312 Survey of Organic Chemistry Prerequisites: CHEM 111 <i>or</i> Equivalent	5
NR 311 Environmental Assessment Prerequisites: COMS 101 <i>or</i> COMS 102 & NR 306 <i>or</i> BIO 325	4
GEOL 201 Physical Geology Prerequisites: MATH 119 <i>or</i> Equivalent	3
MATH 161 <i>or</i> MATH 221 (B1)*	4
PHYS 121 College Physics I (B3)*	4
PSY 201 <i>or</i> PSY 202 Intro to Psychology (D4)*	4
SS 121 Introductory Soil Science	4
STAT 217 <i>or</i> STAT 218 Applied Statistics (B1)*	4

Concentration courses (see reverse)	36
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GENERAL EDUCATION (GE) 48

72 units required; 24 units are in Support.

→ Minimum of 12 units required at the 300 level.

Area A Communication 12

A1 ENGL 133/134 _____	4
A2 COMS 101/102 _____	4
A3 Reasoning, Argumentation, and Writing _____	4
Prerequisites: Completion GE Area A1 <i>or</i> A2	

Area B Science and Mathematics
(in major/support) 0

Area C Arts and Humanities 20

C1 Literature _____	4
Prerequisites: Completion GE Area A	
C2 Philosophy _____	4
Prerequisites: Completion GE Area A	
C3 Fine/Performing Arts _____	4
C4 Upper-division elective _____	4
Prerequisites: Junior Standing and Completion GE Area A & C2	
C1-C4 Elective _____	4

Area D/E Society and the Individual 16

D1 American Experience (40404) _____	4
D2 Political Economy _____	4
D3 Comp Social Institutions _____	4
D5 Upper-division elective _____	4
Prerequisites: Junior Standing and Completion GE Area A and two courses from D1, D2, D3, D4	

Area F Technology (upper division; in major) 0

Prerequisites: Junior Standing and Completion GE Area A & B

Free electives 0

ENVM CONCENTRATIONS (Select one)

Environmental Impact Mitigation Strategies Concentration (36 units)

Units

BIO 427 Wildlife Management <i>Prerequisites: BIO 263, or NR 306</i>	4
CRP/NR 404 or CRP/NR 408 <i>Prerequisites: Junior Standing</i>	3
NR 421 Wetlands	4
ZOO 329 Vertebrate Field Zoology <i>Prerequisites: BIO 162/263/427 or ASCI 329</i>	4
Approved electives (advisor's prior written approval required) any upper division BIO, CRP, LA, NR, SS or ZOO course	21

Environmental Policy & Mgmt Concentration (36)

Units

CRP 212 Intro Urban Planning	4
CRP 420 or POLS 341 <i>CRP 420 Prerequisites: CRP 212 and upper division standing or consent of instructor</i> <i>POLS 341 Prerequisites: POLS 112 or Consent of Instructor</i>	4
ECON 431 or POLS 230 <i>ECON 431 Prerequisites: ECON 311 or Consent of Instructor</i> <i>POLS 230 Prerequisites: POLS 112</i>	4
NR 435 Nat Res Policy Analysis <i>Prerequisites: NR 326</i>	4
NR/ CRP 404 or NR/CRP 408 <i>Prerequisites: Junior Standing</i>	3
Approved electives (advisor's prior written approval required) <i>Pre-Environmental Law: POLS 245, 334, 343, 344, NR 339, 400;</i> <i>Other:</i> ECON 311, 432; ENVE 330; NR 339, 400, 420; SS 433; UNIV 330; Any CRP or POLS course	17

Watershed Management & Hydrology Concentration (36)

Units

NR 420 Adv Watershed Hydrology <i>Prerequisites: NR 320 or Equivalent or Graduate Standing</i>	4
SS 321 Soil Morphology <i>Prerequisites: SS 121</i>	4
SS 440 Forest & Range Soils or ERSC 323 Geomorphology <i>Prerequisites: SS 121, SS 321 or Consent of Instructor</i>	4
Approved electives (advisor's prior written approval required)	24
Refer to course catalog or concentration form in Department Office	
Track 1: Watershed Hydrology (Designed to prepare students to become eligible for hydrology positions and meets the criteria for employment eligibility in the federal government). **There are required substitution courses. See department or catalog for more information**	
Track 2: Watershed Management (NOT designed to prepare students to become eligible for hydrology employment positions in the federal government. It is designed to provide an interest area in watershed management).	

Individualized Course of Study (36)

Units

Approved Electives (advisor's prior written approval required)	36
Select from the following... NR 339 Internship/Forest and Natural Resources (1-12) Any course used in minor(s)	

Wildlife Biology

See the NRM and ES department or the BIO department for more information. (Shared concentration)