



Natural Resource Conservation and Management

College of Agriculture and School of Human Environmental Sciences

The program in Natural Resource Conservation and Management is designed to provide students with the knowledge and skills needed for a career in the rapidly growing fields of environmental science and policy.

Graduates of the Natural Resource Conservation and Management degree program are employed as professionals in both the public and private sectors.

Graduation Requirements

To earn a Bachelor of Science in Natural Resource Conservation and Management, the student must complete 128 semester hours with at least a 2.0 grade-point standing.

Plan of Study

As a natural resource conservation and management major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Consult your academic advisor in developing your Plan of Study.

College Required Hours

Table listing college required hours for ENG 203, ENG 204, GEN 100, GEN 200, and GEN 200.

†These courses also satisfy the University Studies Oral Communication requirement.

Note: Students transferring into the college with 30 or more hours take only GEN 200 plus one communications course from the approved sequence in University Studies.

Subtotal: College Required Hours 6-9

University Studies Requirements Hours See "University Studies Program" on pages 70-74 of the 2004-2005 UK Bulletin for the complete University Studies requirements.

Courses marked with an asterisk (*) may also be used to satisfy University Studies requirements.

Inference-Logic

Table listing Inference-Logic courses: MA 113 Calculus I and MA 123 Elementary Calculus and Its Applications.

Natural Sciences

Table listing Natural Sciences courses: BIO 150 Principles of Biology I and BIO 152 Principles of Biology II.

Social Sciences

Table listing Social Sciences courses: ECO 201 Principles of Economics I and SOC 260 Population, Resources and Change.

Option A: Science

Premajor Requirements Hours

Table listing premajor requirements for Option A: Science, including BIO, CHE, ECO, MA, and STA courses.

Subtotal: Option A Premajor Hours 39-42

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Major Requirements	Hours
NRC 301 Natural Resource Conservation and Management	3
NRC 320 Data Collection Technique	3
NRC 330 NEPA Compliance	3
NRC 380 Analysis of Natural Resource Systems	3
NRC 381 Natural Resource Policy Analysis	3
NRC 395 Independent Study in Natural Resources or	
NRC 399 Experiential Education in Natural Resources	3
NRC 450G Biogeochemistry	3
NRC 471 Senior Problem in Natural Resources	3
AEC 445G Introduction to Resource and Environmental Economics	3
FOR 340 Forest Ecology	3
PLS 366 Fundamentals of Soil Science	4
PLS 367 Soil and Water Analysis Laboratory	3
Subtotal: Option A Major Hours	37

Concentration Area Hours

In addition to the core courses, each student, in consultation with his or her academic advisor, will select 18 hours of courses that will constitute the student's Concentration Area. Three of these hours must be from a Steering-Committee approved list of applied natural resource courses. The approved list will be revised annually and currently consists of AEC 309, ENT 402, FOR 315, FOR 430, GEO 305, NRC 420G. The remaining courses (15 hours minimum) that constitute the Concentration Area will be determined by the student and his or her academic advisor, but the courses are expected to be interrelated into a coherent area of concentration. Students will be advised that many minors relevant to natural resource conservation and management require 18-21 credit hours. Should a student and his or her advisor decide that the student will pursue a natural resource relevant minor, the minor may become part of the student's Concentration Area.

During the sophomore year, each student, in consultation with his or her advisor, will identify the Concentration Area and develop a Plan of Study that details the course work to be taken during the junior and senior years.

The Plan of Study must be approved by the student's advisor, the Chair of the Steering Committee, and the Associate Dean for Instruction in the College of Agriculture.

Subtotal: Concentration Area 18

Option B: Policy

Premajor Requirements Hours

*BIO 150 Principles of Biology I	3
**BIO 151 Principles of Biology Laboratory I	2
*BIO 152 Principles of Biology II	3
**BIO 153 Principles of Biology Laboratory II	2
*CHE 105 General College Chemistry I	3
*ECO 201 Principles of Economics I	3
ECO 202 Principles of Economics II	3
MA 113/193 Calculus I/Supplementary Mathematics	
Workshop I: (Subtitle required)	5
or	
MA 123 Elementary Calculus and Its Applications	3
*SOC 260 Population, Resources and Change	3
GLY 220 Principles of Physical Geology	4
STA 291 Statistical Methods	3
<i>**Recommended laboratory courses.</i>	
Subtotal: Option B Premajor Hours	32-34

Major Requirements Hours

NRC 301 Natural Resource Conservation and Management	3
NRC 320 Data Collection Technique	3
NRC 330 NEPA Compliance	3
NRC 380 Analysis of Natural Resource Systems	3
NRC 381 Natural Resource Policy Analysis	3
NRC 395 Independent Study in Natural Resources or	
NRC 399 Experiential Education in Natural Resources	3
NRC 471 Senior Problem in Natural Resources	3
FOR 340 Forest Ecology	3
AEC 445G Introduction to Resource and Environmental Economics	3
AEC 483 Regional Economics	3
AEC 545 Resource and Environmental Economics	3
SOC 420 Community Analysis	3
Subtotal: Option B Major Hours	36

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Subtotal: Concentration Area 18

Electives

Elective courses should be selected by the student to lead to the minimum total of 128 hours required for graduation.

Subtotal: Electives **minimum of 9**

TOTAL HOURS: **128**