University Studies Requirements
See “University Studies Program” on pages 75-79 of the 2006-2007 UK Bulletin for the complete University Studies requirements.

The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill University Studies areas. Students should work closely with their advisor to complete the University Studies Program requirements.

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

Inference-Logic
MA 123 Elementary Calculus and Its Applications ................................. 3
or
MA 113 Calculus I ............................................................................. 4

Natural Sciences
CHE 105 General College Chemistry I ................................................ 3
CHE 107 General College Chemistry II ............................................. 3
CHE 115 General Chemistry Laboratory ........................................... 3

Social Sciences
ECO 201 Principles of Economics I .................................................... 3
One course other than economics from University Studies Program list .................................................. 3

USP Electives
BIO 150 Principles of Biology I ......................................................... 3
BIO 152 Principles of Biology II ....................................................... 3

College Required Hours
GEN 100 Issues in Agriculture .......................................................... 3

Subtotal: College Required Hours .................................................... 3

Premajor Requirements
*BIO 150 Principles of Biology I ......................................................... 3
*BIO 152 Principles of Biology II ...................................................... 3
PLS 210 The Life Processes of Plants ............................................... 3
*CHE 105 General College Chemistry I .......................................... 3
*CHE 107 General College Chemistry II ........................................... 3
CHE 115 General Chemistry Laboratory .......................................... 3
*ECO 201 Principles of Economics I ............................................... 3
GLY 220 Principles of Physical Geology .......................................... 4
*MA 113 Calculus I
or
*MA 123 Elementary Calculus and Its Applications ......................... 3-4
STA 291 Statistical Method ............................................................. 3

*These courses satisfy USP requirements.

Subtotal: Premajor Hours ............................................................... 31-32

Major Requirements
AEC 424 Principles of Environmental Law ........................................ 2
AEC 445G Introduction to Resource and Environmental Economics .... 3
FOR 315 Conservation Biology ......................................................... 3
FOR 340 Forest Ecology ................................................................. 3
NRC 301 Natural Resource Conservation and Management ............ 3
NRC 320 Data Collection Technique** ............................................ 3

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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
NRC 555 Geographic Information Systems and Landscape Analysis .... 3
PLS 366 Fundamentals of Soil Science ............................................... 4

plus one of the following:
NRC 420G Taxonomy of Vascular Plants ................................................ 4
NRC 450G Biogeochemistry .................................................................... 3
NRC 455G Wetland Delineation .............................................................. 3
NRC 456G Constructed Wetlands ........................................................... 3
NRC 477G Land Treatment of Waste ...................................................... 3
NRC 545 Resource and Environmental Economics ................................ 3

**NRC 320 is a three-week summer camp field data collection experience. The student will attend this camp after the sophomore or junior year. This camp exposes the student to a wide range of natural resource techniques and concepts, including aquatic ecology, soil and plant sciences, wildlife and forestry, and waste management.

***All students must complete either an internship (NRC 399) or a supervised research project (NRC 395). This requirement is designed to give the student real world exposure to natural resource work in their area of interest.

Natural Resource Conservation and Management • 2

Subtotal:  Major Hours ........................................................................... 39-40

Concentration Area
In addition to the major requirements, each student, in consultation with his or her academic advisor, will select a minimum of 18 hours in course work that will constitute the student’s Concentration Area. At least 9 of these hours must be at the 300 level or above. This Concentration Area consists of a unique set of courses that allow specialization in a particular area. For example, a student might choose to develop a concentration in Natural Resource Policy, Wildlife Ecology, or Soil and Water Science. Alternatively, the student may wish to minor in another natural resources related program, for example Geology or Economics. If a minor is chosen, those hours will count towards the Concentration Area hours. In either case, the Concentration Area should represent a coherent theme.

The Concentration Area will be developed in the sophomore year as part of the required Plan of Study. This Plan of Study must be approved by the student’s advisor, the NRCM Steering Committee, and then put on file in the Office of the Associate Dean for Academic Programs in the College of Agriculture.

Subtotal:  Concentration Area ................................................................. 18

Electives
Free elective courses should be selected by the student to lead to the minimum total of 120 hours required for graduation.

Subtotal:  Electives .................................................................................. minimum of 6
TOTAL HOURS: ......................................................................................... 120