



Natural Resource Conservation and Management

College of Agriculture

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.

Students have the opportunity to specialize in either a science or a policy option. Students in either option share a common core of courses and have the opportunity to examine both the technical and socioeconomic dimensions of resource issues.

Graduates of the Natural Resource Conservation and Management degree program are employed as professionals in both the public and private sectors. Industries which have an impact upon the environment maintain a staff of environmental scientists and technicians to ensure compliance with the standards of our society.

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.

College Requirements

- ENG 203 Business Writing or
ENG 204 Technical Writing ..... 3
GEN 100 Issues in Agriculture: The Development of Modern Agriculture\* ..... 3
GEN 200 Issues in Agriculture: Contemporary Problems in Agriculture and Natural Resources\* ..... 3

\*These courses also satisfy the University Studies Oral Communication requirement

Science Option

Premajor Requirements

- MA 113/193 Calculus I/Supplementary Mathematics
Workshop I: (Subtitle required) ..... 5
or
MA 123 Elementary Calculus and Its Applications ..... 3
BIO 150/152 Principles of Biology I and II ..... 6
\*BIO 151/153 Principles of Biology Laboratory I and II ..... 4
CHE 105/107 General College Chemistry I and II ..... 6
CHE 115 General Chemistry Laboratory ..... 3
CHE 226 Analytical Chemistry ..... 4
or
CHE 236/231 Survey of Organic Chemistry/
Organic Chemistry Laboratory I ..... 5
or
CHE 230/231 Organic Chemistry II/
Organic Chemistry Laboratory I ..... 5
ECO 201 Principles of Economics I ..... 3
STA 291 Statistical Method ..... 3
GLY 220 Principles of Physical Geology ..... 4
SOC 260 Population, Resources and Change ..... 3
\*Recommended laboratory courses.

Core Courses

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

Concentration Area

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.

# Natural Resource Conservation and Management • 2

---

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.

## Electives

Electives should be selected to complete the hours required for graduation.

## Policy Option

### Premajor Requirements

MA 113/193 Calculus I/Supplementary Mathematics Workshop I: (Subtitle required) .....	5
<b>or</b>	
MA 123 Elementary Calculus and Its Applications .....	3
BIO 150/152 Principles of Biology I and II .....	6
*BIO 151/153 Principles of Biology Laboratory I and II .....	4
CHE 105 General College Chemistry I .....	3
ECO 201 Principles of Economics I .....	3
ECO 202 Principles of Economics II .....	3
STA 291 Statistical Methods .....	3
GLY 220 Principles of Physical Geology .....	4
SOC 260 Population, Resources and Change .....	3

\*Recommended laboratory courses.

## Core Courses

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

## Concentration Area

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.

## Electives

Electives should be selected to complete the hours required for graduation.