

Degree Requirements for Conservation Ecology Majors (2008-2009)

The following contains information on the courses required to fulfill a degree in Conservation Ecology at New Mexico State. **A minimum of 128 credits must be taken, 48 at the 300 level or above.** Below you will find a listing of courses that must be taken to fulfill the major requirements as well as College of Arts and Sciences requirements. You must earn a **C or better** in all courses required for the Major.

CONSERVATION ECOLOGY MAJOR REQUIREMENTS

Required courses (43-45 cr.):

- WLSC 230 Natural History of the Vertebrates
- WLSC 255 Principles of Natural Resource Mngmt
- WLSC 402 Seminar in Natural Resource Mngmt.
- WLSC 447 Wildlife Law, Policy, & Administration
- BIOL 111 Natural History of Life
- BIOL 111L Natural History of Life Laboratory
- BIOL 211 Cellular & Organismal Biology
- BIOL 211L Cellular & Organismal Biology Laboratory
- WLSC 310 Managing Ecological Systems for Biodiversity
or *BIOL 462 Conservation Biology*
- BIOL 301 Principles of Ecology
- BIOL 305 Principles of Genetics
- BIOL 467 Evolution
- BIOL 312 Plant Taxonomy
or { *RGSC 307 Rangeland Grasses* **and**
RGSC 316 Rangeland Plants
- BIOL 313 Structure and Function of Plants
- BIOL 322 Zoology
- WLSC 409 Population Ecology
or *BIOL 408 Ecology of Plants*

Diversity of Life (choose 2; 6cr.):

- WLSC 430 Avian Field Ecology
or *BIOL 447 Ornithology*
- WLSC 431 Forest & Range Management
- WLSC 482 Ichthyology
- BIOL 465 Invertebrate Zoology

Any Physiology (3cr.)

- { WLSC 432
- { BIOL 311, 314, 377, 381, 474, 442
- { ANSC 370

Other major requirements (required non-WLSC or BIOL classes)

(Note: all of these courses are required)

- CHEM 111 General Chemistry I
- CHEM 112 General Chemistry II
- CHEM 211 Organic Chemistry
- BCHE 341 Survey of Biochem
- C S xxx Any CS 100 or above
or *AG E 250G Life with Microcomputers*
- MATH 120 Intermediate Algebra or MATH 191 Calculus & Analyt. Geometry I
- MATH 142 Calc for Bio & Mngmt Sci or MATH 192 Calculus & Analyt. Geometry II
- E ST 311G Statistical Applications or AXED 250
- PHYS 211 General Physics I or PHYS 221 General Physics for Life Sciences I
- PHYS 211L Gen Phys Lab I or PHYS 211L Gen Phys Lab I
- PHYS 212 General Physics II or PHYS 222 General Physics for Life Sciences II
- PHYS 212 L General Physics Lab II or PHYS 212 L General Physics Lab II

NEW MEXICO COMMON CORE REQUIREMENTS

In each area the total credits needed must come from courses in different disciplines.

Area 1 – Communication (9-10 cr.)

ENGL 111G, 111H, or SPCD 111G
ENGL 311G or **318G**
COMM 253G or 265G, HON 265G

Area 2 – Mathematics (3cr.)

Satisfied by taking requirements for major

Area 3 – Laboratory Sciences (8cr.)

Satisfied by taking requirements for major

*A total of 15 credits (5 classes) must come from
Areas 4 & 5.*

2 classes from Area 4

2 classes from Area 5

1 class from either Area 4 or 5

Area 4 – Social/Behavioral Sciences (6-9cr.)

ANTH 120G, 125G, 201G, 202G, 203G
HON 223G, 235G, 237G
CJ 101
ECON 201G, 251G, 252G
GEOG 112G, 120G
GOVT 100G, 110G, 150G, 160G
HON 248G, 249G
LING 200G
PSY 201G
HON 203G, 232G
SOC 101G, 201G
W S 201G, 202G

Area 5 – Humanities and Fine Arts (6-9cr.)

ART 101G, 110G, 295, 296, HON 216G
ENGL 115G, 116G, 220G, 244G
HIST 101G, 102G, 201G, 202G, 211G, 212G, 221G,
HON 221G, 222G, 239G, 241G, 242G
MUS 101G, 201G, HON 208G
PHIL 101G, 136G, 201G, 211G, 223G
HON 225G, 226G, 227G, 228
THTR 101G, HON 270G

Second Language – not required

VEIWING A WIDER WORLD (6cr.)

- ECON 337G Natural Resource Economics
- Using 9-hour rule