Degree Requirements for Conservation Ecology Majors (2011-2012)

The following contains information on the courses required to fulfill a degree in Conservation Ecology at New Mexico State University. 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.):**

- BIOL 111G Natural History of Life
- BIOL 111L Natural History of Life Laboratory
- BIOL 211G Cellular & Organismal Biology
- BIOL 211L Cellular & Organismal Biology Lab
- BIOL 301 Principles of Ecology
- BIOL 305 Principles of Genetics
- BIOL 467 Evolution
- BIOL 312 Plant Taxonomy
  or RGSC 307 Rangeland Grasses
  or RGSC 316 Rangeland Plants
- BIOL 313 Structure and Function of Plants
- BIOL 322 Zoology
- FWCE 255 Principles of Fish & Wildlife Management
- FWCE 310 Managing Ecological Systems for Biodiversity
  or BIOL 462 Conservation Biology
- FWCE 330 Natural History of the Vertebrates
- FWCE 402 Seminar in Natural Resource Management
- FWCE 409 Introduction to Population Ecology
  or BIOL 408 Ecology of Plants

**Diversity of Life (choose 2; 6-8cr.):**

- FWCE 430 Avian Field Ecology
  or BIOL 447 Ornithology
- FWCE 431 Forest & Range Mammals
- FWCE 482 Ichthyology
- BIOL 465 Invertebrate Zoology

**Any Physiology (3-4cr.)**

- FWCE 432
  or BIOL 311, 314, 377, 381, 474
  or 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
- BCHE 341 Survey of Biochemistry
- C S xxx Any CS 100 or above
  or AG E 250 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
- A ST 311G Statistical Applications
- 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

Rev 10/26/11
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

Second Language – not required

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
WS 201G, 202G
C EP 110G, H LS 150, HNFS 210G
S WK 221G

Area 5 – Humanities and Fine Arts (6-9cr.)
ART 101G, 110G, 295, 296, HON 216G
ENGL 115G, 116G, 220G, 244G
MUS 101G, 201G, HON 208G
    HON 225G, 226G, 227G, 228
THTR 101G, HON 270G
DANC 101G

VEIWING A WIDER WORLD (6cr.)
☐ ECON 337G Natural Resource Economics
✓ Using 9-hour rule

Rev 10/26/11