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
- **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

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

(\textbf{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 Biochemistry
- **C S xxx** Any CS 100 or above
  - or **AG E 250** Life With Microcomputers

**Total credits needed to reach 128:**

- **MATH 120** Intermediate Algebra
- **MATH 142** Calc for Bio & Mngmt Sci
- **A ST 311G** Statistical Applications
- **PHYS 211** General Physics I
- **PHYS 211L** Gen Phys Lab I
- **PHYS 212** General Physics II
- **PHYS 212 L** General Physics Lab II
- **MATH 191** Calculus & Analyt. Geometry I
- **MATH 192** Calculus & Analyt. Geometry II
- **PHYS 221** General Physics for Life Sciences I
- **PHYS 211L** Gen Phys Lab I
- **PHYS 222** General Physics for Life Sciences II
- **PHYS 212 L** General Physics Lab II

**Upper Division credits needed to reach 48:**

- **FWCE 432**
- **BIOL 311, 314, 377, 381, 474, 370**

**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**
- **BIOL 311, 314, 377, 381, 474, 370**

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NEW MEXICO COMMON CORE REQUIREMENTS

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 departmental requirements

Area 3 – Laboratory Sciences (8cr.)
Satisfied by taking departmental requirements

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.)
AG E/FSTE 210G
ANTH 120G, 125G, 201G, 202G, 203G
C EP 110G
C J 101G
ECON 201G, 251G, 252G
GEOG 112G, 120G
GOVT 100G, 110G, 150G, 160G
H LS 150
JOUR 105G
LING 200G
PSY 201G
SOC 101G, 201G
S WK 221G
W S 201G, 202G

Area 5 – Humanities and Fine Arts (6-9cr.)
DANC 101G
ENGL 115G, 116G, 220G, 244G
211G, 212G, 221G, 222G
244G, 270G
MUS 101G, 201G
THTR 101G

Second Language – No Second Language Required

VIEWING A WIDER WORLD (6cr.)

Viewing a Wider World courses are a prescribed list of 300- and 400-level general education courses. You
must take 2 courses from 2 different colleges.
_____ ECON 337V Natural Resources Economics
2nd VWW completed with 9 hour rule

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