# Rangeland Ecology and Management Major

## Recommended Four-Year Plan of Study

All courses required for the major must be taken on an A-B-C-D-F basis. A grade of C- or better is required for all WILD courses. The grade point average for all courses within QCNR must be 2.5 or higher. *Students should meet with their Academic Advisor at least once a semester to review prerequisites and course sequencing.*

## First Year (31 credits)

### Fall (15 credits)
- ENGL 1010 (CL1) Introduction to Writing: Academic Prose 3
- BIOL 1610 Biology I
- BIOL 1615 Biology I Lab
- MATH 1050 (QL) College Algebra
- Breadth Creative Arts (BCA)
- WILD 2000 Introduction to Wildland Resources

### Spring (16 credits)
- BIOL 1620 (BLS) Biology II 3
- BIOL 1625 Biology I Lab 1
- Breadth American Institutions (BAI) 3
- WATS 2220 General Ecology 3
- BIOL 1625 Biology I Lab 1
- Breadth Humanities (BHU) 3

## Second Year (27-29 credits)

### Fall (14-15 credits)
- WILD 2400 Wildland Techniques
- STAT 2000 (QI) Statistical Methods (4 cr) or CHEM 1121 Principles of Chemistry I
- CHEM 1210 Principles of Chemistry I
- WILD 3830 Range Plants Taxonomy and Function
- Electives

### Spring (13-14 credits)
- CHEM 1120 (BPS) General Chemistry II or
  - CHEM 1122 (BPS) Principles of Chemistry II 4
- CHEM 1125 General Chemistry Laboratory or
  - CHEM 1215 Chemical Principles Laboratory I 1
- ADVS 2080 Beef and Dairy Herd Health and Production Practices or
  - ADVS 2090 Sheep Production Practices 2-3
- WILD 2400 Wildland Techniques
- ENGL 2010 (CL2) Intermediate Writing: Persuasive Mode 3

## Third Year (28-29 credits)

### Fall (14 credits)
- PSC 3000 Fundamentals of Soil Science 4
- APEC 3012 (DSS) Intro to NR and Regional Economics 3
- ENVS 3010 Fundamentals of NR and Environmental Policy 3
- WILD 3800 Wildland Plants and Ecosystems 4

### Spring (14-15 credits)
- WILD 3850 Vegetation and Habitat Management 3
- WILD 3810 Plant and Animal Populations 3
- (DHA) Depth Humanities & Creative Arts 2-3
- WILD 4000 Principles of Range Management 3
- ADVS 3700 (CI) Fundamental of Watershed Science 3

## Fourth Year (30 credits)

### Fall (15 credits)
- PSC 5130 Soil Genesis, Morphology, and Classification 3
- ENVS 4000 (DSS) Human Dimensions of NR Management 3
- WILD 4750 (CI) Monitoring & Assessment in NR & Environmental Mgmt 3
- ENVS 2340 (BSS) Natural Resources and Society or
  - other approved Breadth Social Sciences (BSS) course 3
- Electives

### Spring (15 credits)
- WILD 4910 (CI) Assessment and Synthesis in Natural Resource Science 3
- BIOL 4400 or PSC 3500 or PSC 5550 3
- ENVS 3300 or PSC 4320 or WILD 4500 or WILD 5300 3
- Electives 6

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SK May 2017