RANGELAND RESOURCES MINOR
Animal Science
Bldg. 10, Room 141, 805 756-2419
Coordinator: Marc R. Horney
This interdisciplinary minor prepares students for careers
which involve managing semi-arid grasslands, shrublands,
and savannas, including wildlife habitats and livestock
pasture. A main objective is to connect practical knowledge
of rangeland ecosystems to management of herbivorous
animals. Students learn methods and principles of assessing
and monitoring the environmental and ecological health
and productivity of rangelands. Courses give students a
better understanding of the interactions of plants, animals,
water, soil and landscape features in these ecosystems, and
how to establish reasonable management goals and
objectives. Associated careers include rangeland specialists
with the federal government (BLM, NPS, NRCS, USFS) or
private consultants, ecologists, wildlife biologists, wildland
managers, ranch managers, and other natural resource
management specialists. This minor offers sufficient
courses to allow students to meet the basic educational
requirements for California Certified Rangeland Manager.

Before being admitted to the program, students must have
successfully completed the following courses:
BOT 121 or BIO 162, GE Area B1 MATH course, SS 121.

Required courses. At least one-half of the units must be
300-400 level. Select courses with advisor approval.
Range Resource Area ........................................................... 7
ASCI 329 and AG 360
Rangeland Animal Management Area.
Select one course from: ......................................................... 4
ASCI 223/311/339; BIO 427
Rangeland Plant Physiology Area ................................. 4
BIO 435
Rangeland Ecology Area. Select one course from: 4
BOT 326; NR 306; PPSC 321
Rangeland Measurements Area.
Select one course from: ......................................................... 4
BIO 419; CRSC 411; ERSC 202; SS 321/440
Rangeland Policy/Planning Area. 3
Select one course from:
ASCI 476; CRP 342/404/408; NR 404/408; SS 433