WILDLIFE AND BIODIVERSITY CONSERVATION CONCENTRATION

BIO 401 Principles of Conservation Biology 4
BOT 313 Taxonomy of Vascular Plants 4
BOT 433 Field Botany: California Plant Diversity 5
LA/NR 218 Applications in GIS 3
or GEOG 318 Applications in GIS

Zoology Courses
Select from the following: 1
BIO 321 Mammalogy
BIO 322 Ichthyology
BIO 323 Ornithology
BIO 324 Herpetology
BIO 335 General Entomology
BIO 336 Invertebrate Zoology

Ecology Courses
Select from the following: 8
BIO 427 Wildlife Management
BIO 444 Population Ecology
BIO 445 Community Ecology

Approved Electives 2,3
Select from the following: 7
ASCI 329 Principles of Range Management
BIO 321 Mammalogy
BIO 322 Ichthyology
BIO 323 Ornithology
BIO 324 Herpetology
BIO 327 Wildlife Ecology
BIO 329 Vertebrate Field Zoology
BIO 330 Extended Field Biology Activity
BIO 335 General Entomology
BIO 336 Invertebrate Zoology
BIO 400 Special Problems for Advanced Undergraduates 4
BIO 415 Biogeography
BIO 419 Analytical Methods in Ecology
BIO 427 Wildlife Management
BIO 429 Parasitology
BIO 434 Environmental Physiology
BIO 442 Behavioral Ecology
BIO 444 Population Ecology
BIO 445 Community Ecology
BIO 446 Ecosystem Ecology
BIO 461 Senior Project - Research Proposal 4, 5
BIO 462 Senior Project - Research 4, 5
BIO 463 Honors Research 5
BOT 326 Plant Ecology

ENGR 322/SCM 302 The Learn By Doing Lab Teaching Practicum 5
GEOG 440 Advanced-Applications in GIS
MSCI 328 Marine Ecology
MSCI 437 Marine Botany
MSCI 439 Fisheries Science and Resource Management
NR 141 Introduction to Forest Ecosystem Management
NR 142 Environmental Management
NR 404 Environmental Law
NR 416 Environmental Impact Analysis and Management
NR 418 Applied GIS
NR 425 Applied Resource Analysis and Assessment
STAT 313 Applied Experimental Design and Regression Models
STAT 324 Applied Regression Analysis or STAT 334 Applied Linear Models
STAT 330 Statistical Computing with SAS
STAT 416 Statistical Analysis of Time Series
STAT 419 Applied Multivariate Statistics
STAT 421 Survey Sampling and Methodology

Total units 43

1 Students seeking certification as an Associate Wildlife Biologist via the Wildlife Society should see their faculty advisor for assistance.
2 Consultation with a faculty advisor is recommended prior to selecting approved electives; selections may impact pursuit of post-baccalaureate studies and/or goals.
3 Courses taken to meet a major or support requirement cannot be double-counted as an elective.
4 If BIO 461 or BIO 462 is used to meet the Senior Project Requirement, it cannot also be counted as an Approved Elective.
5 Maximum of 6 units may be applied toward Approved Electives from "by arrangement" courses: BIO 400, BIO 461, BIO 462, BIO 463, ENGR 322/SCM 302.