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

1 BIO 321  Mammalogy
1 BIO 322  Ichthyology
1 BIO 323  Ornithology
1 BIO 324  Herpetology
1 BIO 335  General Entomology
1 BIO 336  Invertebrate Zoology

Ecology Courses
Select from the following:  8

8 BIO 427  Wildlife Management
8 BIO 444  Population Ecology
8 BIO 445  Community Ecology

Approved Electives  2,3
Select from the following:  7

1 ASCI 329  Principles of Range Management
1 BIO 321  Mammalogy
1 BIO 322  Ichthyology
1 BIO 323  Ornithology
1 BIO 324  Herpetology
1 BIO 327  Wildlife Ecology
1 BIO 329  Vertebrate Field Zoology
1 BIO 330  Extended Field Biology Activity
1 BIO 335  General Entomology
1 BIO 336  Invertebrate Zoology
1 BIO 400  Special Problems for Advanced Undergraduates  
1 BIO 415  Biogeography
1 BIO 419  Analytical Methods in Ecology
1 BIO 427  Wildlife Management
1 BIO 429  Parasitology
1 BIO 434  Environmental Physiology
1 BIO 442  Behavioral Ecology
1 BIO 444  Population Ecology
1 BIO 445  Community Ecology
1 BIO 446  Ecosystem Ecology
1 BIO 461  Senior Project - Research Proposal  
1 BIO 462  Senior Project - Research  
1 BIO 463  Honors Research
1 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 or STAT 334  Applied Regression Analysis
 or 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.