

FISH AND WILDLIFE CONSERVATION OPTION

This option is offered within the following major(s):

- Natural Resources - College of Forestry (<http://catalog.oregonstate.edu/college-departments/forestry/forest-ecosystems-society/natural-resources-bs-hbs/>)

Also available at OSU-Cascades and via Ecampus.

This option prepares students for a career in the broad arena of natural resource and wildlife conservation. It emphasizes understanding the relationship between animal species and their habitat requirements and the ability to apply this knowledge to the management of ecosystems as a means of conserving fish and wildlife.

Option Code: 672

Minimum of 40 credits is required with at least 20 upper-division credits.

Code	Title	Credits
Option Requirements ¹		
Measurements (3-4 credits)		
Select one course from the following:		3-4
BI 373	*FIELD METHODS IN MARINE ECOLOGY	
BI 375	FIELD METHODS IN ECOLOGICAL RESTORATION	
FW 255	FIELD SAMPLING OF FISH AND WILDLIFE	
FW 493	FIELD METHODS FOR MARINE RESEARCH	
NR 325	SCIENTIFIC METHODS FOR ANALYZING NATURAL RESOURCE PROBLEMS	
RNG 441	RANGELAND ANALYSIS	
Foundations of Conservation (12-14 credits)		
FES 342	FOREST TYPES OF THE NORTHWEST	3
or FOR 111	INTRODUCTION TO FORESTRY	
FES 440	WILDLAND FIRE ECOLOGY	3
or FOR 346	TOPICS IN WILDLAND FIRE	
or FOR 436	WILDLAND FIRE SCIENCE AND MANAGEMENT	
FES 452/FW 452	BIODIVERSITY CONSERVATION IN MANAGED FORESTS	3
or FW 370	CONSERVATION GENETICS	
FW 251	PRINCIPLES OF FISH AND WILDLIFE CONSERVATION	3
Fish and Wildlife Biology (9-12 credits)		
Select three courses from the following:		9-12
FW 302	BIOLOGY AND CONSERVATION OF MARINE MAMMALS	
FW 311	ORNITHOLOGY	
FW 315	ICHTHYOLOGY	
FW 317	MAMMALOLOGY	
FW 320	INTRODUCTORY POPULATION DYNAMICS	
FW 321	APPLIED COMMUNITY AND ECOSYSTEM ECOLOGY	
FW 331	ECOLOGY OF MARINE AND ESTUARINE BIRDS	
FW 473	FISH ECOLOGY	
FW 481	WILDLIFE ECOLOGY	
Z 423	ENVIRONMENTAL PHYSIOLOGY	
Z 473	HERPETOLOGY	
Habitat Management (6-9 credits)		
Select two courses from the following:		6-9
FES 445/FW 445	ECOLOGICAL RESTORATION	
FW 326	INTEGRATED WATERSHED MANAGEMENT	
FW 426	COASTAL ECOLOGY AND RESOURCE MANAGEMENT	
FW 434/OC 434	ESTUARINE ECOLOGY	
FW 435	*WILDLIFE IN AGRICULTURAL ECOSYSTEMS	
FW 456	FRESHWATER ECOLOGY AND CONSERVATION	

FW 479	WETLANDS AND RIPARIAN ECOLOGY	
RNG 341	RANGELAND ECOLOGY AND MANAGEMENT	
RNG 455	RIPARIAN ECOHYDROLOGY AND MANAGEMENT	
SOIL 366	ECOSYSTEMS OF WILDLAND SOILS	
or SOIL 388	SOIL SYSTEMS AND PLANT GROWTH	
or SOIL 466	SOIL MORPHOLOGY AND CLASSIFICATION	
Natural Resource Policy (3 credits)		
Select one course from the following:		3
FES 486	*PUBLIC LANDS POLICY AND MANAGEMENT	
FW 350	*ENDANGERED SPECIES, SOCIETY AND SUSTAINABILITY	
FW 415	FISHERIES AND WILDLIFE LAW AND POLICY	
FW 439	*HUMAN DIMENSIONS OF FISHERIES AND WILDLIFE MANAGEMENT	
FOR 462	NATURAL RESOURCE POLICY AND LAW	
Electives (6-8 credits)		
Select two courses from the following:		6-8
BI 347	*OCEANS IN PERIL	
ENSC 479	**ENVIRONMENTAL CASE STUDIES	
FW 323	MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NORTHWEST	
or FW 360	*ORIGINS OF F&W MANAGEMENT-EVOLUTION, GENETICS, AND ECOLOGY	
or FW 470	*ECOLOGY AND HISTORY: LANDSCAPES OF THE COLUMBIA BASIN	
FW 366	ENVIRONMENTAL CONTAMINANTS IN FISH AND WILDLIFE	
FW 419	THE NATURAL HISTORY OF WHALES AND WHALING	
FW 421	AQUATIC BIOLOGICAL INVASIONS	
FW 427	PRINCIPLES OF WILDLIFE DISEASES	
FW 439	*HUMAN DIMENSIONS OF FISHERIES AND WILDLIFE MANAGEMENT	
FW 451	AVIAN CONSERVATION AND MANAGEMENT	
FW 454	*FISHERY BIOLOGY	
FW 462	ECOSYSTEM SERVICES	
FW 465	MARINE FISHERIES	
FW 467	ANTARCTIC SCIENCE AND CONSERVATION	
FW 469	METHODS IN PHYSIOLOGY AND BEHAVIOR OF MARINE MEGAFUNA	
FW 471	ENVIRONMENTAL PHYSIOLOGY OF FISHES	
FW 474	EARLY LIFE HISTORY OF FISHES	
FW 475	WILDLIFE BEHAVIOR	
FW 476	FISH PHYSIOLOGY	
FW 497	*AQUACULTURE	
FW 498	AQUACULTURE LABORATORY	
NR 202	NATURAL RESOURCE PROBLEMS AND SOLUTIONS	
NR 325	SCIENTIFIC METHODS FOR ANALYZING NATURAL RESOURCE PROBLEMS	
Z 349	*BIODIVERSITY: CAUSES, CONSEQUENCES, AND CONSERVATION	
Z 350	ANIMAL BEHAVIOR	
Z 365	BIOLOGY OF INSECTS	
Z 477	AQUATIC ENTOMOLOGY	

Total credits needed for option is a minimum of 40

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)

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Up to 6 credits of appropriate internships, projects or study abroad may be used to fulfill credit requirements in this option as approved by petition

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