CONSERVATION BIOLOGY

Concentration

COURSES (NEED MINIMUM OF 27 CR.)*

Complete ALL (12 cr.)
FW 444 Conservation Biology
FW 445 Biodiversity Conservation Policy & Practice
IBIO 445 Evolution
PLB 443 Restoration Ecology

Choose ONE (3 cr.)
FOR 340 Forest Ecology
IBIO 485 Tropical Biology
PLB 441 Plant Ecology

Choose ONE (3 cr.)
FW 410 Upland Ecosystem Mgmt.
FW 414 Aquatic Ecosystem Mgmt.
FW 416 Marine Ecosystem Mgmt.
FW 417 Wetland Ecology & Mgmt.
FW 454 Envir. Hydrology & Watershed Mgmt.
FW 479 Fisheries Mgmt.

Choose ONE (3 cr.)
CSUS 464 Environmental & Nat. Res. Policy in MI
CSUS 465 Environmental & Nat. Res. Law
EEM 255 Ecological Economics
FW 449 Wildlife Policy
FW 481 Global Issues in Fisheries & Wildlife
FOR 466 Natural Resource Policy
IBIO 446 Environmental Issues & Public Policy
MC 450 International Environmental Law & Policy

Choose ONE (3 - 4 cr.)
ENT 422 Aquatic Entomology
FOR 204 Forest Vegetation
FW 471 Ichthyology (4 cr.)
IBIO 360 Biol. of Birds (4 cr.)
IBIO 365 Biol. of Mammals (4 cr.)
IBIO 384 Biol. of Amphibians & Reptiles (4 cr.)
PLB 218 Plants of Michigan
PLB 418 Plant Systematics

Choose ONE (3 - 4 cr.)
CSS 350 Introduction to Plant Genetics
IBIO 341 Fundamental Genetics (4 cr.)

*all courses are 3 credits unless specified

OTHER FW CONCENTRATIONS:

FISHERIES BIOLOGY & MANAGEMENT
WILDLIFE BIOLOGY & MANAGEMENT
WATER SCIENCES
FISH & WILDLIFE DISEASE ECOLOGY & MANAGEMENT

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Department of Fisheries & Wildlife
MICHIGAN STATE UNIVERSITY
WILDLIFE BIOLOGY & MANAGEMENT

Concentration

COURSES (NEED MINIMUM OF 26 CR.)*
*all courses are 3 credits unless specified

Complete ALL (9 cr.)
FW 410 Upland Ecosystem Management
FW 417 Wetland Ecology & Management
FW 413 Wildlife Research & Management Techniques

Choose ONE (3 cr.)
FOR 204 Forest Vegetation
PLB 218 Plants of Michigan
PLB 418 Plant Systematics

Choose ONE (3 cr.)
FOR 340 Forest Ecology
PLB 105 Plant Biology
PLB 203 Biology of Plants
PLB 441 Plant Ecology

Choose TWO (8 cr.)
IBIO 360 Biology of Birds (4 cr.)
IBIO 365 Biology of Mammals (4 cr.)
IBIO 384 Biology of Amphibians & Reptiles (4 cr.)

Choose ONE (3 - 4 cr.)
CSS 350 Introduction to Plant Genetics
IBIO 328 Comp. Anat. & Biol. of Vert. (4 cr.)
IBIO 341 Fundamental Genetics (4 cr.)

OTHER FISHERIES & WILDLIFE CONCENTRATIONS:

FISHERIES BIOLOGY & MANAGEMENT
CONSERVATION BIOLOGY
WATER SCIENCES
FISH & WILDLIFE DISEASE ECOLOGY & MANAGEMENT

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COURSES (NEED MINIMUM OF 25 CR.)*

Complete ALL (10 cr.)
FW 471 Ichthyology (4 cr.)
FW 474 Field & Lab Techniques for Aquatic Studies
FW 479 Fisheries Management

Choose ONE (3 cr.)
FW 414 Aquatic Ecosystem Mgmt.
FW 416 Marine Ecosystem Mgmt.
FW 417 Wetland Ecology & Mgmt.
FW 454 Envir. Hydrology & Watershed Mgmt.

Choose ONE (3 - 4 cr.)
ENT 404 Fundamentals of Entomology
ENT 422 Aquatic Entomology
IBIO 306 Invertebrate Biology (4 cr.)

Choose ONE (3 - 4 cr.)
PLB 418 Plant Systematics
PLB 424 Algal Biology (4 cr.)

Choose ONE (3 cr.)
FW 420 Stream Ecology
FW 472 Limnology

Choose ONE (3 - 4 cr.)
CSS 350 Introduction to Plant Genetics
FW 431 Ecophys. & Toxicology of Fishes
IBIO 328 Comp. Anat. & Biol. of Vert. (4 cr.)
IBIO 341 Fundamental Genetics (4 cr.)

*all courses are 3 credits unless specified.

OTHER FISHERIES & WILDLIFE CONCENTRATIONS:

CONSERVATION BIOLOGY
WILDLIFE BIOLOGY & MANAGEMENT
WATER SCIENCES
FISH & WILDLIFE DISEASE ECOLOGY & MANAGEMENT

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Choose TWO (6 cr.)
FW 417  Wetland Ecology and Management
FW 420  Stream Ecology
FW 472  Limnology

Choose ONE (3 cr.)
FW 474  Field & Lab Techniques for Aquatic Studies

Choose TWO (6 - 8cr.)
CSS 350  Intro. to Plant Genetics
FW 431  Ecophys. & Toxicology of Fishes
GLG 421  Environ. Geochemistry (4 cr.)
IBIO 303  Oceanography (4 cr.)
IBIO 341  Fundamental Genetics (4 cr.)
IBIO 353  Marine Biology (4 cr.)
MMG 425  Microbial Ecology

Choose ONE (3 cr.)
PLB 418  Plant Systematics
PLB 424  Algal Biology (4 cr.)

Choose ONE (3 or 4 cr.)
ENT 404  Fundamentals of Entomology
ENT 422  Aquatic Entomology
FW 471  Ichthyology (4 cr.)
IBIO 306  Invertebrate Biology (4 cr.)

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FISH & WILDLIFE DISEASE ECOLOGY & MANAGEMENT

Concentration

COURSES (NEED MINIMUM OF 30 CR.)*
*all courses are 3 credits unless specified

Complete ALL (20 cr.):
FW 423 & 423L Principles of Fish & Wildlife Disease and Lab (4 cr.)
FW 444 Conservation Biology
FW 463 Wildlife Disease Ecology
IBIO 341 Fundamental Genetics (4 cr.)
IBIO 445 Evolution
MMG 301 Introductory Microbiology

Choose ONE (3 cr.):
FW 410 Upland Ecosystem Mgmt.
FW 414 Aquatic Ecosystem Mgmt.
FW 416 Marine Ecosystem Mgmt.
FW 417 Wetland Ecology & Mgmt.
FW 454 Environmental Hydrology & Watershed Mgmt.
FW 479 Fisheries Mgmt.

Choose ONE (4 cr.):
FW 471 Ichthyology (4 cr.)
IBIO 306 Invertebrate Biology (4 cr.)
IBIO 360 Biology of Birds (4 cr.)
IBIO 365 Biology of Mammals (4 cr.)
IBIO 384 Biology of Amphibians & Reptiles (4 cr.)

Choose ONE (3 - 4 cr.)
CEM 143 Survey of Organic Chem. (4 cr.)
CEM 251 Organic Chemistry I

Choose ONE (3 cr.):
CEM 251 Organic Chemistry I

OTHER FISHERIES & WILDLIFE CONCENTRATIONS:

CONSERVATION BIOLOGY
FISHERIES BIOLOGY & MANAGEMENT
WATER SCIENCES
WILDLIFE BIOLOGY & MANAGEMENT

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