A. FISHERIES & WILDLIFE SCIENCES CORE: **Biology, Chemistry and Math Requirements**

Classes taken in the following sections can double count to fulfill Baccalaureate Core requirements. A full year Biology sequence for science majors must be taken in a classroom setting **prior to admission** and must include labs.

- ( ) **Biology** Full year sequence with Lab
  Equivalent to BI 211,212,213

- ( ) **Chemistry** Full year sequence with Lab
  Equivalent to CH 121,122,123 (online at OSU)
  Or CH 221, 222, 223

- **Math**
  Choose one:
  - ( ) MTH 241 (Calc. for Mgmt. & Soc. Sci.) 4
  - ( ) MTH 251 (Differential Calculus) 4

- **Statistics**
  Both courses:
  - ( ) ST 351 Intro to Statistical Methods I 4
  - ( ) ST 352 Intro to Statistical Methods II 4

B. FISHERIES & WILDLIFE SCIENCES CORE: **FISHERIES & WILDLIFE CORE** (Complete the following 10 courses)

- ( ) FW 251 Principles of Fish and Wildlife Conservation 3
- ( ) FW 255 Field Sampling of Fish and Wildlife 3
- ( ) COMM 111 Public Speaking (consult with adviser) 3
- ( ) BI 370 Ecology (prereq: BI 211, 212 and 213) 3
- ( ) FW 320 Population Dynamics (prereq: BI 370) 4
- ( ) FW 321 Fisheries and Wildlife Resource Ecology (prereq: FW 320) 3
- ( ) FW 410 Exploratory Internship 1
- ( ) FW 410 Intensive Internship 3
- ( ) FW 488 Problem Solving in Fisheries & Wildlife (prereq: FW 320, 321) 3
- ( ) FW 489 Effective Communication in F&W (prereq: FW 488) 3

**VERTEBRATE BIOLOGY** (3 courses)

Choose one:
- ( ) FW 311 Ornithology 3
- ( ) FW 315 Ichthyology 3
- ( ) FW 317 Mammalogy 3

Choose one:
- ( ) FW 312 Systematics of Birds 2
- ( ) FW 316 Systematics of Fish 2
- ( ) FW 318 Systematics of Mammals 2

Select one additional vertebrate biology course:
- ( ) _________________________________ 2-3

**SPECIES CONSERVATION & MANAGEMENT**

Choose one:
- ( ) FW 451 Avian Conservation & Management 3
- ( ) FW 458 Mammal Conservation & Mgmt. 4
- ( ) FW 454 Fishery Biology^ 4
- ( ) FW 481 Wildlife Ecology 4
- ( ) Other (consult with adviser) ________________ 3-4

**BEHAVIOR & PHYSIOLOGY**

Choose one:
- ( ) ANS 314 Animal Physiology 4
- ( ) FW 475 Wildlife Behavior 4
- ( ) Other (consult with adviser) ________________ 3-4

**HABITATS & ECOSYSTEMS**

Choose one:
- ( ) FOR 341 Forest Ecology 3
- ( ) FW 435 Wildlife in Agricultural Ecosystems^ 3
- ( ) FW 479 Wetlands and Riparian Ecology 3
- ( ) Other (consult with adviser) ________________ 3-5

**GENETICS & EVOLUTION**

Choose one:
- ( ) BI 311 Genetics 4
- ( ) Other (consult with adviser) ________________ 3-5
C. FISHERIES AND WILDLIFE SCIENCES CORE: PHYSICS, CHEMISTRY, EARTH SCIENCE

Choose three courses from the list below. No more than two courses from any single category.

**PHYSICS AND MATH**
- ( ) PH 201, 202 or 203 General Physics 5
- ( ) PH 211, 212 or 213 General Physics w/Calculus 4
  *General Physics is not offered online through OSU*
- ( ) Other (consult with adviser) ________________ 3-5

**CHEMISTRY**
- ( ) CH 331 or 332 Organic Chemistry 4
- ( ) CH 390 Environmental Chemistry 3
- ( ) BB 350 Elementary Biochemistry 4
- ( ) Other (consult with adviser) ________________ 3-4

**EARTH SCIENCES**
- ( ) ATS 210 Intro to Atmospheric Sciences 3
- ( ) GEO 201 Physical Geology 4
- ( ) GEO 202 Earth System Science 4
- ( ) GEO 203 Evolution of Planet Earth 4
- ( ) GEO 201, 202 and 203 are not offered online through OSU
- ( ) GEO 221 Environmental Geology 3
- ( ) GEO 305 Living w/Active Cascade Volcanoes 3
- ( ) GEO 306 Minerals, Energy, Water & Environ. 3
- ( ) GEO 307 National Park Geology & Preserv. 3
- ( ) GEO 308 Global Change and Earth Sciences 3
- ( ) GEO 323 Climatology^ 4
- ( ) OC 331 Introduction to Oceanography 3
- ( ) Other (consult with adviser) ________________ 3-4

^= Writing Intensive Course (WIC). F&W Core courses may double count for WIC only if they are not also used to fulfill Human Dimensions requirements.

D. HUMAN DIMENSIONS COURSES

Choose two courses from the list below.

- ( ) AG 301 Ecosystem Science of Pacific Northwest Indians 3
- ( ) ANTH 481 Natural Resources and Community Values 3
- ( ) AREC 351 Natural Resource Economics and Policy 3
- ( ) AREC 352 Environmental Economics and Policy 3
- ( ) AREC 432 Environmental Law 4
- ( ) BI 301 Human Impacts on Ecosystems 3
- ( ) FW 340 Multicultural Perspectives in Natural Resources 3
- ( ) FW 350 Endangered Species/Society/Sustainability 3
- ( ) FW 360 Origins Fish & Wildlife Management-Evolution, Genetics & Ecology 3
- ( ) FW 470 Ecology and History: Landscapes of the Columbia Basin 3
- ( ) HST 481 Environmental History of the United States 4
- ( ) PHL 440 Environmental Ethics 3
- ( ) PHL 443 World Views and Environmental Values 3
- ( ) PS 475 Environmental Politics and Policy 4
- ( ) SOC 480 Environmental Sociology 3
- ( ) SOC 481 Society and Natural Resources 4
- ( ) Other (Consult with adviser) ____________________________ 3-4