

2018-19 BS Wildlife Biology & Conservation

120 Credit minimum Grade of C- or higher for all classes

GENERAL REQUIREMENTS

COMMUNICATIONS:- (9)

WRTG 111X Intro to Academic Writing (3)____
WRTG 211X or 212X or 213X or 214X.(3)____
COJO 141X Public Speaking (3)____

GER Arts, Humanities, Social Sciences, & Ethics:

All GER in this category require WRTG 111 placement; 200 level courses-sophomore standing or higher; 300 level - junior standing or higher
1 course from Art category

1 course from Humanities category

2 courses from Social Science category (must be two different disciplines)

1 additional course from any above Arts/Humanities/Social Science category

See attached for category lists of courses.

1 GER Ethics: BA 323; COJO 300; JUST 300; NRM 303; PHIL 322; or PS 300

MATHEMATICS & STATISTIC :- (10-11)

Requires recent Math Placement and/or prereqs

Stat 200X Elementary probability & stats(3)____

OR *Stats 300 Statistics (3)____

Stat 401 Regression & Analysis of Variance (4)____

Math 230X Calculus with Applications (note, NOT a prereq for Math 252 Calculus II) (3)____

OR *Math 251X Calculus I (must take this one if taking higher math, example Calculus II)(4)____

NATURAL SCIENCE:- (19-20)

CHEM 105 is a pre/co-req for BIOL 115 -both require MATH 151 & WRTG 111 or higher placement. You MUST have passed CHEM 105 (C- or higher) prior to taking BIOL 115 or be concurrently enrolled – for concurrent enrollment, if you drop CHEM 105 during the semester, the BIOL 115 faculty may also drop you from their course.

CHEM 105X General Chemistry I (4)____

CHEM 106X General Chemistry II (4)____

BIOL 115X Fundamentals of Biology I – Fall (4)____

BIOL 116X Fundamentals of Bio II – Spring, (4)____

PHYS 103X College Physics I Fall (DEVM 105&WRTG 111 placement)(4)____

OR*GEOS 101X Dynamic Earth, (DEVM 105 &WRTG 111 placement)(4)____

OR*NRM 380 Soils and the Environment – Fall, (Chem 105, WRTG 111 and WRTG 211/etc) (3) ____

LIBRARY & INFO SKILLS:- (0-1)

LS competency test(0)____ OR LS 100X or 101X (1)____

MINOR – OPTIONAL with a BS degree however, logical choices for wildlife majors listed below. Must be from the same catalog year as your major.

Justice (wildlife law enforcement)

Journalism (wildlife reporting/photo journalism)

Natural Resources Management (additional skills)

GIS (additional skills)

Arctic Skills (additional skills)

Fisheries (broader based options)

Marine Science (broader based options)

Business (ecotourism potential)

Statistics (additional skills)

MAJOR REQUIREMENTS

All BIOL listed below have BIOL 115/116 prereqs – additional prereqs listed in parenthesis

A. Complete the following:

BIOL 239 Intro to Plant Biology (4)____

BIOL 260 Principles of Genetics, (CHEM 105, Math 151) (4)____

BIOL 310 Animal Physiology, Fall, (CHEM 105&106) (4)____

BIOL 331 Systematic Botany, Spring, (BIOL 239)^ (4) ____

OR Biol 488 Arctic Vegetation Ecology, even Spring (Bio 239 or 371) (3)

BIOL 371 Principles of Ecology, Fall, (LS 100/101) (4)____

BIOL 471 Population Ecology, Spring (Calculus, BIOL 371) 3)____

Engl 314 Technical Writing, (COJO 141, WRTG 111 & WRTG 211/etc., jr standing or above) (3)____

OR Engl 414 Research Writing, Fall (WRTG 111 & 211/etc.) (3)____

WLF 301 Survey of Wildlife Science, Fall (2)____

WLF 301 Design of Wildlife Studies Spring, (WLF 101; Math 151 or concurrent enrollment, stats recommended) ^ (3) ____

WLF 322 Principles and Techniques in Wildlife Management Fall, (BIOL 371, WLF 101, WRTG 111 & 211/etc.) (3) ____

B. Complete at least 3 of the following:

WLF 425 Ecology and Management of Birds, Spring even-years, (Biol 371, COJO 141, WLF 301) ^ (3)____

BIOL 426 Ornithology, Spring (COJO 141, WRTG 111 & WRTG 211/etc.)^ (3)____

WLF 421 Ecology and Management of Large Mammals, even Fall (Biol 371, WLF 301)^ (3)____

BIOL 425 Mammalogy, Fall (jr standing or above)^ (3)____

C. Complete at least 1 of the following

(all have Bio 115 & 116 prereqs):

WLF 305 Wildlife Diseases, as available, ^ (3)____

WLF 433 Conservation Genetics, as available, (BIOL 371 & BIOL 260) ^, cross listed w/BIOL 433 (3)____

WLF 469 Landscape Ecology and Wildlife Habitat, as available/on-line summer, (BIOL 371, COJO 141), cross-listed w/BIOL 469 (3)____

D Complete 2 of the following:

ECON 235 Intro to Natural Resource Economics, Fall (3)____

NRM 204 Public Lands Law & Policy, Spring (3)____

NRM 403 Environmental Decision Making, Fall, COJO 141, jr standing^(3)

NRM 407 Environmental Law, Spring, jr standing or above ^ (3)____

HIST 411 Environmental History, even Spring, (Engl 211/213, Hist 100X, Hist 275) ^ (3)____

PS 447 U.S. Environmental Politics, Spring, jr standing or above, ^ (3)____

E. Complete at least two additional course at the 300 level or higher in Biology, Wildlife Biology, Fisheries, or Natural Resources Management

F Complete a capstone research project which can be done by completing the course project for WLF 301 with either junior or senior class standing.

ELECTIVES (for a program total of a minimum of 120 credits)

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UPPER DIVISION CREDIT Requirement

300 & 400-level courses – must have a minimum of 39 credits, of those, 24 must be done as UAF credits.

^ or permission of instructor