

2014-15 BS Wildlife Biology & Conservation

120 Credit minimum *designates only grades of “C” or better (not ‘C-’) may be used to fulfill these requirements

GENERAL REQUIREMENTS

COMMUNICATIONS:- (9)

*Engl 111X Intro to Academic Writing (3)_____

Engl 211X Academic Writing -Literature

OR Engl 213X Academic Writing - Social & Nat. Sci.(3)_____

*Comm 141X Public Speaking (3)_____

PERSPECTIVES ON THE HUMAN CONDITION:-(18-22)

Complete 6 courses listed OR 4 of those listed plus 2 semester length courses in a single AK Native or other non-English language or 3 semester length courses (9 credits) in American Sign Language. All Perspectives Core require English 111 placement; 200 level courses- sophomore standing or higher; 300 level - junior standing or higher

Anth 100X/Soc 100X Individual, Society & Culture (3)_____

Econ/PS 100X World Political Economy (3)_____

Hist 100X World History (3)_____

Art/Mus/Thr 200X **or** Hum 201X **or** Ans 202X Art Appreciation (3)_____

Engl/FL 200X World Literature (3)_____

BA 323X **or** Comm 300X **or** Just 300X **or** NRM 303X **or** Phil 322X or PS 300X (these are all 300 level Ethics courses) (3)_____

Language option as listed above- but may not be counted under minor requirements:

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MATHEMATICS & STATISTICS:- (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 272X Calculus for Life Sciences (3)_____

OR *Math 200X Calculus (4)_____

NATURAL SCIENCE:- (19-20)

CHEM 105 is a pre/co-req for BIOL 115 -both require MATH 107 & ENGL 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 & Engl 111 placement)(4)_____

OR *GEOS 101X Dynamic Earth, Fall, (DEVM 105 & Engl 111 placement) (4) _____

OR *NRM 380 Soils and the Environment – Fall, (Chem 105, Engl 111 and Engl 211/213) (W) (3) _____

LIBRARY & INFO SKILLS:- (0-1)

LS competency test_____ OR LS 100X or 101X (1)_____

WRITING AND ORAL INTENSIVE COURSES:

Required: 2 DESIGNATED (W); **AND**

1 DESIGNATED (O) COURSE OR 2 DESIGNATED (O/2):

_____ (W) _____ (W) and

_____ (O) OR _____ (O/2) _____ (O/2)

*MAJOR REQUIREMENTS

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

*A. Complete the following :- (41.5 credits)

*BIOL 239 Intro to Plant Biology (4)_____

*BIOL 260 Principles of Genetics, (CHEM 105, Math 107) (4)_____

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

*BIOL 317 Comparative Anatomy of Vertebrates, Spring, (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)_____

*Engl 314 Technical Writing, (Comm 131/141, Engl 111 & Engl 211/213, jr standing or above) (W,O/2) (3)_____

OR *Engl 414 Research Writing, Fall (Engl 111 & 211/213) (W) (3)_____

*WLF 101 Survey of Wildlife Science, Fall (1.5)_____

*WLF 301 Design of Wildlife Studies Spring, (WLF 101; Math 107 or concurrent enrollment, stats recommended) ^ (3) _____

*WLF 322 Principles and Techniques in Wildlife Management Fall, (BIOL 371 & WLF 101) (W) (3) _____

*WLF 410 Wildlife Populations and Their Management, Fall, (BIOL 371, Math 200/272, stats, WLF 301, WLF 322 or BIOL 471) (3)_____

*WLF 460 Wildlife Nutrition, Fall, (Comm 131/141, BIOL 371 and BIOL 310)^ (O/2)(4)_____

*B. Complete at least 1 of the following from each pair (6credits):

a) *WLF 425 Ecology and Management of Birds, Spring even-years, (Biol 371, Comm 131/141, WLF 301) ^ (O) (3)_____

OR *BIOL 426 Ornithology, Spring (Comm 131/141, Engl 111 & Engl 211/ 213)^ (W,O/2) (3)_____

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

OR *BIOL 425 Mammalogy, Fall (Bio 317; jr standing or above) (W) (3)_____

*C. Complete at least 1 of the following (3 credits)

(all have Bio 115 & 116 prereqs):

*BIOL 471 Population Ecology, Spring (Calculus, BIOL 371) 3)_____

*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, Comm 131/141), cross-listed w/BIOL 469 (O) (3)_____

*D Complete 2 of the following (6 credits):

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

*ECON 235 Intro to Natural Resource Economics, Fall (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 1 additional course at the 300 level or higher in Biology, Wildlife Biology, Fisheries, Marine Science or Natural Resources Management (3-4 credits)

ELECTIVES (for a program total of 120 credits) A minor is optional with a BS Degree – see current catalog for more details & requirements

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UPPER DIVISION CREDITS (300 & 400-level):- (39)

Transfer Credits _____ minimum of 24 UAF Credits _____

Credits for core/general requirements: 57 – 63

Credits required for major: 59.5 – 60.5

Electives: 0 – 3.5

Total credits required for degree: 120

^ or permission of instructor