2013-14 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 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 prereq (4)___
OR *GEOS 101X Dynamic Earth – Fall, DEVM 105 & ENGL 111 placement prereq (4)___
OR *NRM 380 Soils and the Environment – Fall, Comm 141, BIOL 371/271 and Comm 141 prereqs, (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) (O/2) (O/2)

*MAJOR REQUIREMENTS

(All BIOL listed below have BIOL 115/116 prereqs)

*A. Complete the following :- (41.5 credits)
*BIOL 239 Intro to Plant Biology, Fall (4)___
*BIOL 265/362 Principles of Genetics, CHEM 105, Math 107 prereqs (4)___
*BIOL 310 Animal Physiology, Fall, CHEM 105&106 prereq (4)___
*BIOL 317 Comparative Anatomy of Vertebrates, Spring, (4)___
*BIOL 331 Systemic Botany, Spring, Math 107 prereq^ (4)___
OR: Biol 488 Arctic Vegetation Ecology, Spring, Bio 239 or 371/271 prereq (3)___
*BIOL 371/271 Principles of Ecology, LS 100/101 prereq (4)___
*Envl 314 Technical Writing, Comm 131 or 141, Engl 111 & Engl 211 or 213 prereq, jr standing or above (W, O/2) (3)___
OR *Engl 414 Research Writing, Fall, Engl 111, 211/213 prereq (W) (3)___
*WLF 101 Survey of Wildlife Science, Fall (1.5)___
*WLF 301 Design of Wildlife Studies Spring, WLF 101 & Math 107 prereq or concurrent enrollment, stats recommended, ^ (3)___
*WLF 322 Principles and Techniques in Wildlife Management Fall, BIOL 371/271 & WLF 101 (3)___
*WLF 410 Wildlife Populations and Their Management, Fall, BIOL 371/271, calculus, stats, and WLF 222 or BIOL 471 prereqs (3)___
*WLF 460 Wildlife Nutrition, Fall, Comm 141, BIOL 371/271 and BIOL 310 prereqs ^ (O/2)(4)___

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

a) *WLF 425 Ecology and Management of Birds, Spring even-years, 
BiOL 371/271, Comm 131/141, WLF 222 prereqs ^ (O) (3)___
OR *BIOL 426 Ornithology, Spring, Comm 131/141, Engl 111 & Engl 211/213 prereqs ^ (W, O/2) (3)___

b) *WLF 421 Ecology and Management of Large Mammals, Fall, 
BiOL 371/271, WLF 201 or 222 prereqs ^, WLF 301 recommended (3)___
OR *BIOL 425 Mammalogy, Fall, Bio 317 prereq^; 
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 371/271 prereqs 3)___
*WLF 305 Wildlife Diseases, as available, ^ (3)___
*WLF 433 Conservation Genetics, as available, BIOL 371/271 & BIOL 260/362 prereqs ^, cross listed w/BIOL 433 (3)___
*WLF 469 Landscape Ecology and Wildlife Habitat, on-line summer, 
BIOL 371/271, and Comm 141 prereqs, 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, Spring even-years, Engl 211/213, Hist 100X, Hist 275 prereqs ^ (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

(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