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/req for BIOL 115 -both require MATH 107 & ENG 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 Fall (DEV 105 & Engl 111 placement)(4) OR *GEOS 101X Dynamic Earth, Fall, (DEV 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 (Bio 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 & BIO 260) ^, cross listed w/BIO 433 (3)___
*WLF 469 Landscape Ecology and Wildlife Habitat, as available/on-line summer, (BIOL 371, Comm 131/141), cross-listed w/BIO 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