WILDLIFE AREA OF SPECIALIZATION
Effective Spring 2015
Prerequisites are listed in brackets; F means usually offered fall semester; S is spring, F/S is both

Group 1: Human Dimensions (6)

Select two of the following:

____ ESPM 3011W Ethics in Resource Mgmt; (3), F/S
____ ESPM 3202W Env. Conflict Mgmt, Leadership, and Planning; (3), ( Jr/Sr), S
____ ESPM 3241W Natural Resource & Env. Policy (3), meets SocSci., CIV, S
____ ESPM 3245 Sustainable Land Use Planning and Policy; (3), meets Envir, F
____ ESPM 3271 Environmental Policy, Law & Human Behavior; (3) meets SocSci, CIV, F
____ FW 5003 Human Dimensions of Biological Conservation; (3), F
____ FW 3925 Human Dimensions of Fisheries and Wildlife Management

Group 2: Animals and Plants (11)

Select two of the following:

____ EEB 4129 or EEB 4839 Mammalogy; (4) [Biol 2012], F
____ EEB 4134 or EEB 4844 Ornithology; (4) [Biol 2012] ,S
____ FW 4101 Herpetology; (4) [Biol 1001 or 2012], S

Select one of the following:

____ FNRM 1101 Dendrology, Identifying Forest Trees and Shrubs; (3), F
____ PBio 4321 Taxonomy of Minnesota Flora; (3) [Biology 1001 or 1009], F: alternate years
____ PBio 4511 Flowering Plant Systematics; (3) [Biology 1001 or 1009],S: alternate years

Group 3: Community and Ecosystem Ecology (3 – 4)

Select one of the following:

____ FNRM 3204 Landscape Ecology and Management; (3), [ecology course], F
____ FNRM 3104 Forest Ecology; (4) [basic biology course], F
____ ESPM 3108 Ecology of Managed Systems; (3), [ Biol 1001 or 1009], F
____ ESPM 3575 Wetlands; (3), S
____ EEB 4609W Ecosystem Ecology; (3) [Biol 3407], F
____ ESPM 5071 Ecological Restoration; (4), [ecology course and plant science or botany], F

Group 4: Wildlife (18)

____ Introductory Physics 1001W or 1101W or 1201W (4), F/S
____ FW 4103 Principles of Wildlife Management; (3), [Biol 1009], S
____ FNRM 3131 Geographical Information Systems for Natural Resources; (4), F/S
____ FW 5051 Analysis of Populations;(4) [Ecology, statistics], S
____ FW 5603W Habitats and Regulation of Wildlife; (3), [ Biol 3407, FW 4103 or FW 4102]. F

Electives: Select courses to total 120 credits for graduation with the B.S. degree. Students who wish to qualify as a Certified Wildlife Biologist according to The Wildlife Society’s educational requirements should take at least 1 additional credit hour in Quantitative Sciences (advanced algebra, calculus, statistics, or computer science), 5 additional credit hours in Communications (composition, technical writing, speech, journalism, or mass media), and 4 additional credit hours in botany (general botany, plant genetics, plant morphology, plant physiology, or plant taxonomy—additional plant taxonomy is also recommended for jobs in the Department of Natural Resources).