

ECOLOGY, EVOLUTION, AND ORGANISMAL BIOLOGY ELECTIVE LIST

Code	Title	Credit Hours
Ecology Electives (3 hours)		
BIOL 3453	Principles of Plant Ecology	3
BIOL 4483	Physiological Plant Ecology	3
BIOL 4423	Stream Ecology	3
BIOL 4463	Lake Ecology	3
Evolution Electives (3 hours)		
BIOL 3673	Practical Bioinformatics	3
BIOL 4573	Conservation Genetics	3
BIOL 4753	Molecular Evolution and Phylogenetics	3
BIOL 4523	Biogeography and Macroecology	3
ANTH 4423	Introduction to Population Genetics	3
Choose 9-12 hours, with at least one course from each of the following elective groups to include 2 labs:		9-12
<i>Plant Organismal Biology</i>		
BIOL 3163	Economic Botany	3
BIOL 4264	Morphology of Vascular Plants	4
BIOL 4534	Plant Systematics	4
<i>Animal Organismal Biology</i>		
BIOL 4073	General Entomology	3
BIOL 4034	Mammalogy	4
BIOL 4044	Ornithology	4
BIOL 4083	Herpetology	3
BIOL 4493	Ichthyology	3
BIOL 3214	Comparative Vertebrate Anatomy	4
<i>Applied Organismal Biology</i>		
BIOL 4653	Parasitology	3
BIOL 3073	Medical Entomology	3
BIOL 4053	Forensic Entomology	3
BIOL 3813	Fundamentals of Microbiology	3
BIOL 4703	Basic Virology	3