

MASTER'S DEGREE IN ENVIRONMENTAL SCIENCE

Area of Concentration In:

APPLIED ECOLOGY

Undergraduate Preparation

All students must have at least (a) one year of general chemistry (CHM 141 and 142), (b) one semester of evolution/genetics (BOT 204 or BOT/ZOO 342), and (c) one semester of physiology (BOT 203, 311, or ZOO 305).

Ecology Courses

Population and Community Ecology (BOT/MBI/ZOO 671; Fall)	4
Ecosystem and Global Ecology (BOT/MBI/ZOO 672; Spring)	4
Subtotal	8

Ten credits from the following, including at least one course prefaced with an asterisk:
Plant Geography (BOT/GEO 531)

	3
*Ecological Foundations of Vegetation - North America (BOT/GEO 532; Fall)	3
*Plant Ecology Methods - Community Analysis (BOT 534; Spring)	2
*Field Methods in Plant Population Ecology (BOT 536; infrequent)	1
*Field Methods in Population Ecology (BOT/ZOO 537; Fall)	1
*Advanced Botany Field Trip (BOT 570; Summer) or Botany/Zoology field workshop courses (various numbers; Summer) 2 max.	
Animal Physiological Ecology (ZOO 553; Spring)	4
Ecological Toxicology and Risk Assessment (ZOO 562; odd # years)	4
*Limnology (ZOO 563; Fall)	
	4
Animal Behavior (ZOO 565; Spring)	
	4
Seminars in ecology (BOT or ZOO; irregular)	2 max.

10

Taxonomy Courses

One of the following:

Advanced Plant Taxonomy (BOT 621; alternate Springs)	
	4

General Entomology (ZOO 501; Fall)

4

Parasitology (ZOO 505; Spring)

4

Ichthyology (ZOO 507; Spring)

4

Ornithology (ZOO 508; Spring)

4

Herpetology (ZOO 509; alternate Springs)

4

Mammalogy (ZOO 510; infrequent)

4

Hours

Total

24

Specialty Coordinators:

David Gorchov

Thomas Crist

336 PSN

172 PSN

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