

Requirements		Notes	Course	Credits	Term
Conservation Ecology Core	EAS 507 – Interpreting Research in Conservation Ecology		507	3	W
	3 Conservation Ecology Core specialization courses selected in consultation with your advisor	9-12 credits			
SEAS Core	*EAS 509 (Natural Science Core) EAS 510 (Social Systems Core) or a course from the Social Systems distribution list				
	**IAMS Requirement Two courses; 3CR minimum Please see 3rd page for approved courses.				
Electives	Electives	Must be a graduate level course at 400-level and above			
Analytics	Analytics	EAS 538 (or equivalent) plus one additional analytics course Check analytics list for acceptable courses.			
Capstone or non-Capstone	Capstone	Option 1: At most 12 credits of EAS 700 (Master’s Thesis) At most 6 credit hours of EAS 701 (Master’s Project) or EAS 702 (Master’s Practicum)			
	Non-Capstone	Option 2: 6-8 credits of CE approved courses. See advisor for guidance.			
TOTALS	TOTAL “EAS” CREDIT HOURS	Minimum 25 of 42 credit hours			
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*We encourage all students who have ANY background in ecology through coursework and/or professional experience to take the Placement Survey, which may allow you to place out of EAS 509.

**IAMS courses can count as both IAMS and other Core but we do not double-count the actual credits.

Conservation Ecology courses currently being offered and likely to be offered in the next two years*. Courses in other specializations can also count towards course requirements.

CEC: Conservation Ecology Core; IAMS: Integrated Analytical Methods and Skills; AN: analytics.

*some of these offerings may change

COURSES	INSTRUCTOR	SEMESTER /FREQUENCY	LAB/ FIELD	SEAS/CEC REQUIREMENTS
Ecology Concepts and Applications EAS 509	Schueller	Fall/every year	Yes	Required Test-out option
Interpreting Conservation Ecology EAS 507	Alofs	Winter/every year	No	Required
Conservation, Restoration and Management				
Restoration Ecology Applications EAS 501.119	Adlerstein-Gonzalez	Fall/every year	Yes	
Urban Stormwater: Science, design and management EAS 578	Burton/Nassauer	Fall 2020	No	CEC
Ecological Risk Assessment EAS 523-01	Burton	Fall/every year	No	CEC
Ecological Restoration EAS 589	Cardinale	Winter 2021	Yes	CEC, IAMS
Conservation Biology EAS 517	Cardinale	Winter 2022	Yes	CEC
The Hydrologic Cycle and Water Resources Management EAS 501.077	Gronewold	Winter/every year	No	CEC
Forest Ecology and Management EAS 447	Ibáñez	Fall 2021	Yes	CEC, IAMS
Fluvial Ecosystems and their Management EAS 520	Seelbach	Fall/every year	No	CEC
Fluvial Ecosystems Field Lab EAS 521	Seelbach	Fall/every year	Yes	CEC
Great Lakes Ecosystems and their Management EAS 501.025	Seelbach/Alofs/Reed	Winter 2022	No	
Food Systems				
Agroecosystem Management EAS 498	Blesh	Winter 2022	No	CEC
Foundations of Sustainable Food Systems EAS 501.038	Blesh	Fall 2021	No	CEC

Diverse Farming systems EAS 553	Perfecto	Fall/every year	No	IAMS
Global Issues				
Climate Change vs. Everything Else Causing Ecosystem Impairments EAS 501.040	Burton	Fall/every year	No	
Ecosystem Services EAS 552	Cardinale	Fall 2020	No	CEC, IAMS
Ecosystem Health EAS 639	Foufopoulos	Winter/every year	No	CEC
Understanding Biotic Responses to Global Change EAS 501	Weeks	Winter/Every Year	No	
Informatics				
Principles of GIS EAS 531	Bergen/ Carter	Fall/Winter	Yes	AN, IAMS
Remote Sensing of Environment EAS 541	Bergen	Winter/every year	Yes	AN, IAMS
Field Remote Sensing EAS 501.034	Bergen	May 2wks at UMBS	Yes	IAMS
Organisms and Systems				
Ecology of Fishes EAS 409	Alofs	Winter/every year	Yes	CEC
Landscape Ecology EAS 539	Currie	Winter/every year	No	
Woody Plants EAS 436	Ibáñez	Fall/every year	Yes	CEC
Fall Flora and Ecosystems EAS 501.003 & 004	Kost	Fall/every year	Yes	
Aquatic Entomology EAS 516	Riseng	Winter/every year	Yes	CEC
Soil Ecology EAS 430	Zak	Fall/every year	Yes	CEC
Ecosystem Ecology EAS 476	Zak	Winter/every year	No	CEC
Statistics, Modeling and Research Skills				

Applied Ecosystem Modeling EAS 545	Currie	Winter/every year	Yes	
Multivariate Statistics for Environmental Science EAS 501.077	Gronewold	Fall/every year	No	
Analysis and Modeling of Environmental data EAS 549	Ibáñez	Winter 2021	No	
Thesis Development for Master's EAS 501	Weeks	Fall/every year	No	
Wildlife				
Conservation and Development EAS 542	Butt	Fall 2020	No	
Wildlife and Society EAS 501	Carter	Fall/every year	No	
Wildlife Ecology and Conservation EAS 518	Foufopoulos	Winter/every year	Yes	CEC

Additional courses of interest:

ANTHRBIO 463 / ENVIRON 473: Statistical modeling and data visualization in R.

ANTHRBIO 461 / ENVIRON 461: Seminar in Primate Conservation Biology.