

Requirements		Notes	Course	Credits	Term
EI Core	Environmental Informatics Core courses	EAS 541.001 Remote Sensing			
		EAS 531.001 Principles of GIS			
SEAS Core	EAS 509 (Natural Systems Core)				
	EAS 510 (Social Systems Core)				
	IAMS Requirement Two courses; 3CR minimum Please see other side of form for approved courses.				
Electives	Electives	Must be a graduate level course at 400-level and above. At least 6 credits taken from the following course: EAS 501.001 EAS 501.034 EAS 501.160 EAS 534 EAS 540 EAS 543 EAS 545 EAS 549 EAS 639.006** CMPLXSYS 530			
Analytics	Analytics	EAS 538			
Opus or Non-opus	Opus	Option 1: At most, 6 credit hours of EAS 700/ EAS 701.			
	Non-opus	Option 2: Additional approved courses to total 42 credits.			
TOTALS	TOTAL “EAS” CREDIT HOURS	Minimum 25 of 42 credit hours			
	TOTAL CREDIT HOURS	Minimum 42 credit hours			

*Any waiver or substitution of degree requirement must be approved by both the Graduate Advisor and EI Program Coordinator and submitted to OAP.

** To count toward EI Field of Study-specific elective requirement, EAS 639 seminar must be approved by the EI Field of Study Coordinator

Course List

Environmental Informatics Core Courses

EAS 541.001 Remote Sensing W (4)
EAS 531.001 Principles of GIS F & W (4)

Elective Courses:

EAS 501.001 "Geospatial Field Methods", F 3CR
EAS 501.034 "Field Remote Sensing & Analysis, SP (2, register for Fall, take in Spring)
EAS 501.160 "Advanced Digital Modeling", W 2CR
EAS 534
EAS 540
EAS 543
EAS 545
EAS 549
EAS 639.006 "Python Programming", W 1CR
CMPLXSYS 530

Integrated Analytic Methods and Skills Requirement

Students are required, at some point during their time enrolled in the program, to take 2 courses composing at least 3 credits from a faculty-approved list of courses that focus on integrative analytic methods and skills. The faculty-approved existing courses that satisfy this requirement are listed below:

Fall

447 – Forest Ecology Management
530 - Decision-Making for Sustainability
533 – Negotiation Skills
536 – Mediation Skills
552 – Ecosystem Services
553 – Diverse Farming Systems
567 – Social Vulnerability & Adaptation to Environ Change
572 – Environmental Impact Assessment
570 – Environmental Economics
578 – Urban Stormwater
597 – Environmental Systems Analysis
564 – Localization Seminar
677 – Climate Adaptation Seminar
687 – Landscape Planning

Winter

501 – Science and Management of the Great Lakes
545- Applied Ecosystem Modeling (Winter B)
549 – Analysis and Modeling of Ecological Data
550 – Systems Thinking for Sustainable Development
557 – Industrial Ecology
569 – Stakeholder Network Analysis)
581 – Advanced Education for Environment and Sustainability
589 – Ecological Restoration
610 – Advanced LCA Methods and Software Tools
641 – Interdisciplinary Research Methods
787 – Metro Studio (MLA only)