<table>
<thead>
<tr>
<th>Requirements</th>
<th>Notes</th>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>EI Core</td>
<td></td>
<td>EAS 541.001 Remote Sensing</td>
<td></td>
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<tr>
<td>Environmental Informatics Core courses</td>
<td></td>
<td>EAS 531.001 Principles of GIS</td>
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<tr>
<td>SEAS Core</td>
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<td>EAS 509 (Natural Systems Core)</td>
<td>EAS 510 (Social Systems Core)</td>
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<td>IAMS Requirement Two courses; 3CR minimum Please see other side of form for approved courses.</td>
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<tr>
<td>Electives</td>
<td></td>
<td>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</td>
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<tr>
<td>Analytics</td>
<td></td>
<td>EAS 538</td>
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<tr>
<td>Opus Non-opus</td>
<td>Opus</td>
<td>Option 1: At most, 6 credit hours of EAS 700/ EAS 701.</td>
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<td>Non-opus</td>
<td>Option 2: Additional approved courses to total 42 credits.</td>
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<td>TOTALS</td>
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<td>Minimum 25 of 42 credit hours</td>
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<tr>
<td>TOTAL CREDIT HOURS</td>
<td></td>
<td>Minimum 42 credit hours</td>
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*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 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)