<table>
<thead>
<tr>
<th>Requirements</th>
<th>Notes</th>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EPP Core</strong></td>
<td>Policy students must take A</td>
<td>A – NRE 562</td>
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<td></td>
<td>Planning students must take A and B</td>
<td>B – Environmental Planning (NRE 592/UP 502 or NRE 687)</td>
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<td><strong>NRE Core</strong></td>
<td>NRE 509 (Natural Systems Core)</td>
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<td>NRE 510 (Social Systems Core)</td>
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<td>IAMS Requirement</td>
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<td></td>
<td>Two courses; 3CR minimum</td>
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<td>Please see other side of form for approved courses.</td>
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<td><strong>Electives</strong></td>
<td>Electives</td>
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<td>Must be a graduate level course at 400-level or above</td>
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<td><strong>Analytics</strong></td>
<td>Analytics</td>
<td>EPP students must take one statistics course and either:</td>
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<td>Policy – NRE 570 *and an additional economics course from list on reverse side</td>
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<td>Planning – NRE 531</td>
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<tr>
<td><strong>Opus or Non-Opus</strong></td>
<td>Opus</td>
<td>Option 1: At most, 6 credit hours of NRE 700/ NRE 701</td>
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<td>Non-Opus</td>
<td>Option 2: See advisor for non-opus guidance</td>
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<td><strong>Cognates</strong></td>
<td>Minimum 4 credit hours outside of SNRE  [Rackham requirement]</td>
<td>Can be double counted with other degree requirements.</td>
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<tr>
<td><strong>TOTALS</strong></td>
<td>TOTAL “NRE” CREDIT HOURS</td>
<td>Minimum 25 of 42 credit hours</td>
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<td></td>
<td>TOTAL CREDIT HOURS</td>
<td>Minimum 42 credit hours</td>
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*Any waiver or substitution of degree requirement must be approved by the appropriate faculty and submitted to OAP.*
Course List

SNRE Core at most 10 credits
NRE 509 Ecology: Concepts and Applications (F) 4 credits
NRE 510 The Science and Practice of Social Change (F) 3 credits
Integrated Analytic Methods and Skills Requirement 2 courses; 3 credits

EPP Core 3-7 credits
NRE 562 Environmental Policy, Politics and Organizations (F) 3 credits
NRE 592, 687 or approved equivalent Environmental Planning (F) 3-4 credits

Additional Policy and Planning Courses (others approved by advisor)
NRE 475/ENVIRON 475/EHS 588 Environmental Law (F)
NRE 592/UP 502 Environmental Planning (F)
NRE 565 Principles for Transition: Food, Fuel & Finance (F)
NRE 533 Natural Resources Conflict Management (F)
NRE 533 Negotiation Skills in Environ Dispute Resolutions (W)
NRE 566 Public Opinion and the Environment (F)
NRE 527/BE 527 Energy Markets and Energy Politics (F)
NRE 687 Landscape Planning and Analysis (W)
NRE 577 Political Ecology, Environ Security and Conflict (F)

EPP Analytics/Economics

Statistics NRE 538 Natural Resources Statistics* (W) 4 credits
Planning: NRE 531 Principles of GIS (R&W)

Policy:
NRE 570 Environ Econ: Quantitative Methods & Tools (F)
NRE 501.060 Economics of Climate Change (F)
NRE 501.059 Economics of Environment and Development (W)
NRE 552 Ecosystems Services
NRE 527 Energy Markets & Energy Politics

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
501 – Social Vulnerability & Adaptation to Environ Change
578 – Urban Stormwater
552 – Ecosystem Services
514 – Environmental Impact Assessment
533 – Negotiation Skills (Fall A)
536 – Mediation Skills
548 – Land Use and Global Change
570 – Environmental Economics
597 – Environmental Systems Analysis
564 – Localization Seminar
677 – Climate Adaptation Seminar
687 – Landscape Planning

Winter
501 – Network Analysis for Nat Res & Environ Planning (Winter A)
501 – Science and Management of the Great Lakes
501 – Decision Aiding for Risk & Environmental Management
532 – Natural Resource Conflict Management
545 – Applied Ecosystem Modeling (Winter B)
550 – Systems Thinking for Sustainable Development
557 – Industrial Ecology
581 – Advanced Environmental Education
589 – Ecological Restoration
610 – Advanced LCA Methods and Software Tools (Winter B)
641 – Interdisciplinary Research Methods
787 – Metro Studio (MLA only)