## Summary of Requirements for a Master of Science (MS) Degree Effective Fall 2023 and beyond

**Sustainability & Development**

For students admitted Fall 2023 and beyond

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Notes</th>
<th>Course</th>
<th>Credits</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SusDev Core</strong></td>
<td></td>
<td><strong>REQUIRED</strong> - EAS 514 and one of the following: EAS 501.107 <strong>or</strong> EAS 515</td>
<td>514</td>
<td>1.5</td>
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<td></td>
<td>Specialization Core – 6 credits total</td>
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<td></td>
<td>Additional SusDev Core</td>
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<td><strong>SEAS Core</strong></td>
<td></td>
<td><strong>EAS 509</strong> (Natural Systems Core) EAS 510 (Social Systems Core) or 3CR course from <a href="#">the Social Systems distribution list</a></td>
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<td></td>
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<td><strong>IAMS Requirement</strong> * Two courses; 3CR minimum Please see other side of form for approved courses.</td>
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<tr>
<td><strong>Electives</strong></td>
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<td><strong>Electives</strong> REQUIRED - 6CR of SusDev Specific electives. <em>Students are strongly encouraged to take EAS 501.106 “Methods and Approaches to SusDev Problems”</em> All other electives must be a graduate level of 400-level or above</td>
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<td><strong>Analytics</strong></td>
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<td><strong>Analytics</strong> <a href="#">One statistics course</a> and an additional analytic skills courses Recommended courses listed on 2nd page</td>
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<td><strong>Capstone or Non-Capstone</strong></td>
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<td><strong>Capstone</strong> Option 1: At most 6 credit hours of EAS 701 (Master’s Project) or EAS 702 (Master’s Practicum) or At most 12 credits of EAS 700 (Master’s Thesis)</td>
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<td><strong>Non-Capstone</strong> 6 credit hours of SusDev coursework</td>
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<td><strong>TOTAL “EAS” CREDIT HOURS</strong></td>
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<td>Minimum 25 of 42 credit hours</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
<td></td>
<td>Minimum 42 credit hours</td>
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</table>

*IAMS and Social Science Distribution courses can double-count with Core requirements but we do not double-count the actual credits.*

Summary of Requirements for a Master of Science (MS) Degree Effective Fall 2023 | Last Revised 05/16/23
**Any waiver or substitution of degree requirement must be approved by the appropriate faculty and submitted to SSC.**
Current Courses

**SEAS Core - 7 credits**

EAS 509 Ecology: Concepts and Applications (F or W) 4 credits
EAS 510 Science and Practice of Social Change (F)
or 3 credits from the Social Systems Distribution list.

**Sustainability & Development Core - 6 credits total**

Required:
EAS 514 (EAS 501.162 prior to F23) – SusDev Foundations: Theories and Frameworks (1.5CR)
One course required:
EAS 515 (EAS 501.062 prior to F23) – SusDev Foundations: Grand Challenges (1.5CR) OR
EAS 501.107 – Sustainable Development: Cross-Cutting Issues (1.5CR)

One course required from the list below.
EAS 501.106 – Methods and Approaches to Sustainable Development Problems (3CR)
EAS 563 - Introduction to International Environmental Policy (3CR)
EAS 577 - Political Ecology I: Environmental Violence (3CR)
EAS 542 - Conservation and Development (3CR)

**Sustainability & Development Electives – 6 credits**

EAS 501.106 - Methods and Approaches to SusDev Problems
EAS 501.117 - Sustainability and Development: Program Management (3CR)
EAS 501.008 – Climate Change, Energy, and Social Justice (3CR)
EAS 501.117 - Sustainability Science (1.5CR)
EAS 582 – Program Evaluation for Sustainability & Development Evaluation (3CR)
EAS 553 - Diverse Farming Systems (3CR)
EAS 547 – Wildlife and Society (3CR)
EAS 555 - Climate and Development (3CR)
EAS 525 - Energy Justice (3CR)
EAS 529 – Indigenous Sustainability and EJ (3CR)
EAS 567 – Social Vulnerability & Adaptation (3CR)
EAS 639.024 - Global Environmental Change and Sustainable Food Systems (2CR) (has not been offered in some time)
EAS 630 - Preparing for International Fieldwork (1CR)
EAS 501.087 Technology and Community Sustainable Development (3CR) (Not sure when this will be offered again)
AAS 600/EAS 501 - Proseminar in Africa Studies (3CR)
*(SusDev elective courses will be reviewed later this summer and a final list will be released in July 2023)*

**S&D Analytics (recommended)**

Statistics: EAS 538 - Natural Resources Statistics (4CR)
Statistics: EAS 635- Multivariate Statistics for Environmental Science (3CR)
Spatial Analysis: EAS 531 - Principles of GIS (4CR)
Spatial Analysis: EAS 540.001 - GIS&NR Applications (2CR)
Methods: EAS 570 - Environmental Economics (3CR)
Methods: EAS 548/648 – Intro and Adv Geovisualization of Environment and Society (1.5CR-3CR)

**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. IAMS courses can double-count with Core requirements but we do not double-count the actual credits.