

| Requirements             |   | Notes   | Course | Credits | Term |
|--------------------------|---|---|--------|---------|------|
| SusDev Core              | Specialization Core – 6 credits total   | REQUIRED-EAS 514 and one of the following:<br>EAS 501.107 or EAS 515  | 514    | 1.5     |      |
|                          |   | Additional SusDev Core. Please see the list on second page of this form.  |        |         |      |
| SEAS Core                | EAS 509 (Natural Systems Core)<br>EAS 510 (Social Systems Core) or 3CR course from <a href="#">the Social Systems distribution list</a> * |   |        |         |      |
|                          | <a href="#">IAMS Requirement</a> *<br>Two courses; 3CR minimum<br>Please see other side of form for approved courses.                     |   |        |         |      |
| Electives                | Electives   | REQUIRED - 6CR of SusDev Specific electives.<br><i>Students are strongly encouraged to take EAS 501.106 "Methods and Approaches to SusDev Problems"</i> |        |         |      |
|                          |   | All other electives must be a graduate level of 400-level or above  |        |         |      |
| Analytics                | Analytics   | <a href="#">One statistics course</a> and an <a href="#">additional analytic</a> skills courses<br>Recommended courses listed on 2 <sup>nd</sup> page   |        |         |      |
|                          |   |   |        |         |      |
| Capstone or Non-Capstone | Capstone  | 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)                |        |         |      |
|                          | Non-Capstone  | 6 credit credits of SusDev coursework   |        |         |      |
|                          | <b>TOTAL "EAS" CREDIT HOURS</b>   | <b>Minimum 25 of 42 credit hours</b>  |        |         |      |
|                          | <b>TOTAL CREDIT HOURS</b>   | <b>Minimum 42 credit hours</b>  |        |         |      |

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

\*\*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 - 6CR total**

**Required:**

EAS 514 Foundations in SusDev: Theories and Frameworks (1.5) [P]

**Required: At least one of the following:**

EAS 501.107 Cross Cutting issues on SusDev (1.5) [S]

EAS 515 Foundations in SusDev: Grand Challenges (1.5) [P,E]

**Required: One course required from Additional SusDev Core list (Can take additional courses as electives\*)**

EAS 501.106 Methods and Approaches to Sustainable Development Problems (3CR) [P,I,E]

EAS 501 Transformations

EAS 542 Conservation and Development (3CR) [I]

EAS 563 Introduction to International Environmental Policy (3CR) [I]

EAS 577 Political Ecology I: Environmental Violence (3CR) [I]

EAS 582 Program Evaluation for Sustainability & Development Evaluation (3CR) [E]

**Pre-Approved Sustainability & Development Electives – 6CR**

\*Any of the above Additional SusDev Core

EAS 501.008 Climate Change, Energy, and Social Justice (3CR) [S]

EAS 501.117 Sustainability and Development: Program Management (3CR) [P]

EAS 501.117 - Sustainability Science (1.5CR)

EAS 525 Energy Justice (3CR) [I,E]

EAS 529 Indigenous Sustainability and EJ (3CR) [I,S]

EAS 547 Wildlife and Society (3CR) [I]

EAS 553 Diverse Farming Systems (3CR) [I]

EAS 555 Climate and Development (3CR) [I]

EAS 567 Social Vulnerability & Adaptation (3CR) [I]

EAS 639.024 - Global Environmental Change and Sustainable Food Systems (2CR)

EAS 630 Preparing for International Fieldwork (1CR) [I]

AAS 600/EAS 501 Proseminar in Africa Studies (3CR) [E]

\*(SusDev elective courses will be reviewed later this summer and a final list will be released in July 2023)

**ADDITIONAL ELECTIVE COURSES RELATED TO THE SUSDEV SPECIALIZATION**

This is the list of UM-wide graduate level courses that complement the four thrusts of SusDev Curriculum [PIES]. Must obtain advisor approval to be counted as a SusDev elective course. On the approval request form, please note that the course is listed as an “Additional SusDev Elective Course”

| P (Poverty and inequality)                     | I (Institutions and governance)                                      |
|--|--|
| ECON 665 Economic Development and Transition   | EAS501 Climate Change Solutions and Equity                           |
| PUBPOL 534 Economies of Developing Countries   | EAS 527 Energy Market and Politics                                   |
| PUBPOL 746 Social Welfare Policy               | EAS 558 Water Policies and Politics                                  |
| SW 638 Theories of Social Justice and Policies | EAS 584 Water Resource Economics                                     |
| SW 680 Power in Global Context                 | EAS 574/PUBPOL 519 Sustainable Energy System                         |
|  | ESENG 501 (CEE 565) Seminars in Energy Systems Technology and Policy |

|  |   |
|--|---|
|  | LAW 666 Climate Change and the Law: The Legal Response to a Rapidly Warming Planet<br>Law 679 Environmental Law and Policy<br>PUBPOL 558 Economic Analysis in the Practice of Public Policy<br>PUBPOL 563 Politics of Environmental Regulation<br>PUBPOL 750 Psychology of Climate Change   |
| E (Evaluation of policies and programs)  | S (Sustainability transitions/transformation)   |
| HBEHED 592 Health Program Evaluation<br>PUBPOL 539 Quantitative Methods of Program Evaluation<br>SW 678 Program Evaluation and Applied Research<br>URP 525 Regional Planning<br>URP 573 Infrastructure Planning in the US & Developing Countries | EAS501 Topic: Climate Education in Higher Ed<br>EAS501 Climate Change Science and Solutions<br>EAS 528 Sustainable Food System<br>EAS 565 Principles of Transition<br>Strategy 564/EAS 512 Strategies for Sustainable Development I: Enterprise Integration<br>Strategy 565/EAS 513 Strategies for Sustainable Development I: Market Transformation |

### S&D Analytics

#### One statistics course and one analytics course (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.