

# GLOBAL ENVIRONMENTAL SUSTAINABILITY INTERDISCIPLINARY MINOR

The School of Global Environmental Sustainability (<https://sustainability.colostate.edu/>) (SoGES) seeks to prepare students to meet today's pressing environmental challenges. Using an interdisciplinary approach within a framework of sustainability, students will be led in innovative research leading to the knowledge and understanding needed to approach and solve problems of the human-environment interaction. SoGES' vision encompasses laying the foundation and defining the principles and practices that will ensure long-term environmental sustainability, while continuing to meet the needs of people around the earth.

## Requirements Effective Fall 2023

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

| Code   | Title  | Credits  |
|--|--|----------|
| <b>Required Courses</b>  |  |          |
| GES 101  | Foundations of Environmental Sustainability        | 3        |
| GES 470  | Applications of Environmental Sustainability       | 3        |
| <b>Selected Courses</b>  |  |          |
| Select one course from each Group A, B, and C. At least 3 credits of these courses must be upper-division (300- to 400-level). Courses may not fulfill two categories. |  |          |
| <b>Group A: Society and Social Processes</b>   |  | <b>3</b> |
| AGRI 116/IE 116  | Plants and Civilizations (GT-SS3)                  |          |
| ANTH 200   | Cultures and the Global System (GT-SS3)            |          |
| ANTH 330   | Human Ecology                                      |          |
| ANTH 415   | Indigenous Ecologies and the Modern World          |          |
| ANTH 417   | Indigenous Environmental Stewardship               |          |
| ANTH 453   | Impacts on Ancient Environments                    |          |
| ETST 256   | Border Crossings--People/Politics/Culture (GT-SS3) |          |
| ETST 365   | Global Environmental Justice Movements             |          |
| GR 100   | Introduction to Geography (GT-SS2)                 |          |
| GR 320   | Cultural Geography                                 |          |
| HIST 355   | American Environmental History                     |          |
| HIST 470   | World Environmental History, 1500-Present          |          |
| HORT 424/<br>SOCR 424  | Topics in Organic Agriculture                      |          |
| NR 320   | Natural Resources History and Policy               |          |
| NR 425   | Natural Resource Policy and Sustainability         |          |
| PHIL 320   | Ethics of Sustainability                           |          |
| PHIL 345   | Environmental Ethics                               |          |

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|---|---|----------|
| POLS 361  | U.S. Environmental Politics and Policy                |          |
| POLS 362  | Global Environmental Politics                         |          |
| POLS 364  | Air, Climate, and Energy Policy Analysis              |          |
| POLS 442  | Environmental Politics in Developing World            |          |
| POLS 462  | Globalization, Sustainability, and Justice            |          |
| PSY 316   | Environmental Psychology                              |          |
| SOC 220   | Environment, Food, and Social Justice (GT-SS3)        |          |
| SOC 320   | Population-Natural Resources and Environment          |          |
| SOC 322   | Environmental Justice                                 |          |
| SOC 364   | Food, Agriculture and Global Society                  |          |
| SOC 460   | Environmental and Natural Resource Sociology          |          |
| SOC 461   | Water and Social Justice                              |          |
| SOC 463   | Sociology of Disaster                                 |          |
| <b>Group B: Biological and Physical Processes</b> |   | <b>3</b> |
| ANTH 453  | Impacts on Ancient Environments                       |          |
| BSPM 308  | Ecology and Management of Weeds                       |          |
| BZ 348/MATH 348                                   | Theory of Population and Evolutionary Ecology         |          |
| BZ 471  | Stream Biology and Ecology                            |          |
| CHEM 338  | Environmental Chemistry                               |          |
| ERHS 320  | Environmental Health--Water Quality                   |          |
| ERHS 430  | Human Disease and the Environment                     |          |
| ERHS 448  | Environmental Contaminants                            |          |
| ESS 210/GR 210                                    | Physical Geography                                    |          |
| GEOL 122  | Geoscience--Climate and Environmental Change (GT-SC2) |          |
| GR 100  | Introduction to Geography (GT-SS2)                    |          |
| GR 204/WR 204                                     | Sustainable Watersheds (GT-SC2)                       |          |
| GR 410  | Climate Change: Science, Policy, Implications         |          |
| HORT 171/<br>SOCR 171                             | Environmental Issues in Agriculture (GT-SS3)          |          |
| LAND 220/<br>LIFE 220                             | Fundamentals of Ecology (GT-SC2)                      |          |
| LAND 364  | Design and Nature                                     |          |
| LAND 444  | Landscape Ecology                                     |          |
| LIFE 320  | Ecology   |          |
| NR 120A   | Environmental Conservation (GT-SC2)                   |          |
| NR 130  | Global Environmental Systems (GT-SC2)                 |          |
| RS 351  | Wildland Ecosystems in a Changing World               |          |
| SOCR 341  | Microbiology for Sustainable Agriculture              |          |
| SOCR 343  | Composting Principles and Practices                   |          |
| SOCR 440  | Pedology  |          |
| <b>Group C: Economy and Profitability</b>         |   | <b>3</b> |
| AREC 202  | Agricultural and Resource Economics (GT-SS1)          |          |
| AREC 240/<br>ECON 240                             | Economics of Environmental Sustainability (GT-SS1)    |          |
| AREC 340/<br>ECON 340                             | Introduction-Economics of Natural Resources           |          |

|                       |  |
|-----------------------|--|
| AREC 346/<br>ECON 346 | Economics of Outdoor Recreation                |
| AREC 415              | International Agricultural Trade               |
| AREC 442              | Water Resource Economics                       |
| AREC 460              | Ag- and Resource-Based Economic<br>Development |
| F 322                 | Economics of the Forest Environment            |
| MGT 360               | Social and Sustainable Venturing               |
| NR 425                | Natural Resource Policy and Sustainability     |

**Group D: Skills**

Select at least one upper-division course (minimum of 3 credits) 3  
from Group D not taken in another category.

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|-----------------------|--|
| AREC 442              | Water Resource Economics                         |
| ART 421               | Art and Environment                              |
| BZ 348/MATH 348       | Theory of Population and Evolutionary<br>Ecology |
| CIVE 405              | Sustainable Civil/Environmental<br>Engineering   |
| CON 450/<br>INTD 450  | Travel Abroad-Sustainable Building               |
| CON 476               | Sustainable Practice-Design and<br>Construction  |
| GR 323/NR 323         | Remote Sensing and Image Interpretation          |
| GR 420                | Spatial Analysis with GIS                        |
| HORT 344              | Organic Greenhouse Production                    |
| HORT 345/<br>SOCR 345 | Diagnosis and Treatment in Organic Fields        |
| HORT 368/<br>LAND 368 | Landscape Irrigation and Water<br>Conservation   |
| LAND 364              | Design and Nature                                |
| NR 319                | Introduction to Geospatial Science               |
| SOC 320               | Population-Natural Resources and<br>Environment  |
| SOC 463               | Sociology of Disaster                            |
| SOCR 440              | Pedology   |

**Upper-Division Elective**

Select 3 upper-division credits from Groups A-D with a subject 3  
code not previously taken or any upper-division GES course

**Program Total Credits: 21**