### Sustainable Systems Specialization – BA (major code 565)
(for majors declared Fall 2021 onwards)

- Courses can only be used to fulfill one requirement, even if the course is listed as an option for multiple requirements.
- Many upper level courses have prerequisites. Make sure you plan accordingly for the path you want to take.

<table>
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<tr>
<th>Requirement</th>
<th>Course options</th>
<th>Credits</th>
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</table>
| A. ENVI 101 – Humans & Ecological Environment | - ENVI 101  
- AP Envi Exam score of 3, 4, or 5  
- ENVI 105 - People, Politics, & Environment (Source Project Students only)  
- PLSC 180A - People, Politics, & Environment (Source Project Students only) | 4       |
| B. ENVI 201 – Humans & Physical Environment | - ENVI 201  
- or AP Envi Exam score of 5 (excludes AP test taken in 2020) | 4       |
| C. One introductory Environ policy course | - ENVI/PHIL 149 Environmental Ethics  
- ENVI 230 Intro to Environmental Policy  
- ENVI/GEOG 239 Envi Plng & Policy  
- ENVI 280B Intro Int’l Envi Policy (Starting in Fall 2024, this course will be renumbered to ENVI 225.)  
- PLSC 282 Intro to Environmental Policy | 4       |
| D. One introductory economics courses | - ECON 160 Microeconomics  
- ECON 162 Macroeconomics | 4       |
| E. One introductory methods course | - GEOG 160 or 260 or 360 GIS/Spatial Analysis  
- MATH 147 Statistics  
- MATH 148 Statistics for Biologists  
The following classes are only for FRI and Source Project students:  
  - BIOL 241 Ecological Genetics FRI  
  - PLSC ??? People Politics & Environ II  
  - ENVI 206 Geospatial Sensing FRI  
  - ENVI/GEO 234 Biogeochemistry FRI | 4       |
| F. One lower-level course related to environmental science | - BIOL 105 Evol for Everyone  
- ENVI 140 Intro Enviro Chem (Lec)  
- ENVI 250 Farm to Table  
- ENVI 236/ANTH 236 Farming Thru Time  
- GEOL 111 Planet Earth  
- GEOL 112 Oceanography  
- GEOL 113 Geol of the Parks  
- GEOL 115 Global Change: Geol Perspt  
- GEOL 116 Geological Hazards  
- ENVI/GEOL 170 Environmental Geology  
- GEOL 120 Energy and the Earth  
- GEOG 120 Weather & Climate  
- GEOG 221 Global Climate Change | 4       |
G. Five Upper-Level courses in Sustainable Systems totaling 20 credits.

It is strongly advised that you consider three courses from any one thematic area, but the exact composition of the five upper-level courses is up to the discretion of the student and the Environmental Studies Advisor.

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<tr>
<th>Resource Management</th>
<th>Environmental Planning</th>
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<tbody>
<tr>
<td>- GEOL 326/ENVI 343 Nonrenewable resources</td>
<td>- ENVI 324 Urban Ecology</td>
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<td>- ECON 331 Environ Economics</td>
<td>- ENVI 415 Environ Planning, if not used elsewhere</td>
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<td>- ECON 433 Natural Resource Economics</td>
<td>- ENVI 400 Sust Comm I: Theory &amp; Practice</td>
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<td>- ENVI 382J Natural Resource Equity in Global South (In Fall 2024, this course will be renumbered to ENVI 341 and renamed to Intl Conservation &amp; Development.)</td>
<td>- ENVI 410 Sust Comm II: Policy &amp; Practice</td>
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<td>- ENVI 481D Forest Ecosystems &amp; Conservation</td>
<td>- GEOG 330 Natural Hazards</td>
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<tr>
<td>- ENVI 4815 Earth Justice (In Fall 2024, this course will be renumbered to ENVI 465.)</td>
<td>- GEOG 333 Retail Geography</td>
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<tr>
<td>- GEOG 341 Water Resources Plng &amp; Mgmt</td>
<td>- GEOG 335 Legal Aspects of Planning</td>
</tr>
<tr>
<td>- GEOG 437 Natural Resource Conservation</td>
<td>- GEOG 380B Big Data: Social Media &amp; Envi</td>
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**Environ Policy and Law**

- PHIL 345 Philosophy of Law
- PLSC 331 Constitutional Law & Politics
- PLSC 333 Civil Rights & Liberties
- PLSC 323 Congress in Amer Politics
- PLSC 340 Public Opinion
- PLSC 356 Politics of European Union
- PLSC 373 Amer Political Thought
- PLSC 382U Congress & President (F23)
- PLSC 414 The US Supreme Court
- ENVI 312 Envi Law & Policy
- ENVI 347 Environ Pollution: Sci & Plcy
- PLSC 481G Public Policy Analysis
- ENVI 4815 Earth Justice (In Fall 2024, this course will be renumbered to ENVI 465.)
- ENVI 410 Sust Comm II: Policy & Practice

**Food Systems**

- ANTH 365 Consumption, Culture & Modernity
- ANTH 470 Paleoethnobotany
- ANTH 479 Archeology of Domestication
- ENVI 325 Ecological Agriculture
- ENVI 336 Sweet Harvests: Bees & Maple
- ENVI 338 Food Plcy: Health & Safety
- ENVI 382U Food Energy Water Nexus
- ENVI 435 Agriculture: Local & Global
- ENVI 438 AgriBiotech: Sci, Pol & Conflict
- SOC 307 Consuming Interests: Soc of Food
- SOC 367 Food, People, & Resources

**Environmental Planning**

- ENVI 324 Urban Ecology
- ENVI 415 Environ Planning, if not used elsewhere
- ENVI 400 Sust Comm I: Theory & Practice
- ENVI 410 Sust Comm II: Policy & Practice
- GEOG 330 Natural Hazards
- GEOG 333 Retail Geography
- GEOG 335 Legal Aspects of Planning
- GEOG 380B Big Data: Social Media & Envi
- GEOG 345 Urban Planning Analysis I
- GEOG 460 Census Geog & GIS
- GEOG 461 Adv Raster GIS & GPS
- EDD 305 Intro to Sustainable Eng & Design

**Other**

- ANTH 350 Climate Change and Society
- ANTH 450 Global Health
- ANTH 451 Political Ecology
- ECON 314 Econ of Developing Countries
- ENVI 382G Econ of Developing Countries
- ENVI 382F Integrating Sustain. Science & Innovation
- ENVI 481W Env Comm: Nat of People & Place (S23, S24)
- ENVI 481F Indigenous Knowledge Systems (In Spring 2024, this course will be renumbered to become ENVI 470.)
- ENVI 481H Climate Sustainability & Trauma
- ENVI 481S Earth Justice (In Fall 2024, this course will be renumbered to ENVI 465.)
- ENVI 483A Planning Sustainable Univ (**two credits, may be repeated)**
- SOC 358 Energy Power & Nature
- SOC 370 Social Inequity
- SOC 380G Work & Power
- EDD 306 Eng Sustainable Energy

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H. One upper-level Environ Public Policy course

- ENVI 312 Environmental Law & Policy
- ENVI 410 Sust Comm II: Policy & Practice

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| I. One upper-level research, teaching, and/or applied course in Sustainable Systems | - ENVI 382U Food Energy Water Nexus  
- ENVI 415 Envi Planning, if not used elsewhere  
- PLSC 481G Public Policy Analysis  
- ENVI 417 Stories to Info: Qual Methods  
- ENVI 400 Sust Comm I: Theory & Practice  
- ENVI 410 Sust Comm II: Policy & Practice  
- ENVI 481S Earth Justice (Starting in Fall 2024, this course will be renumbered to ENVI 465.) | 4 |
|   | The following may be appropriate, but require department permission.  
- ENVI 397 Independent Study  
- ENVI 491 Undergraduate Teaching  
- ENVI 495 Environ Internship |   |
| J. One upper-level capstone course | - ENVI 413 Environ Studies Capstone  
- ENVI 382F Integrating Sustain. Science & Innovation | 4 |
|   | The following require department permission.  
- ENVI 498 Senior Thesis  
- ENVI 499 Honors Thesis |   |
|   | Total Credits: | 56 |