



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.
- For certain requirements, check out the ENVI website for additional course options by semester.
- * = **Fall-only course**, ** = **Spring-only course**. Note that course offerings may change and it is highly advised to consult the Schedule of Classes for exact offerings when possible.

Requirement	Course options	Credits
A. ENVI 101 – Humans & Ecological Environment	- ENVI 101 - AP Envi Exam score of 3, 4, or 5 <i>Source Project students only:</i> - PLSC 180A People, Politics, and the Environment	4
B. ENVI 201 – Humans & Physical Environment	- ENVI 201 <i>First-Year Research Immersion (FRI) students only:</i> - ENVI/GEOL 234 Biogeochemistry *if not already used for “introductory methods” requirement	4
C. One introductory Environ policy course	- ENVI/PHIL 149 Environmental Ethics - ENVI/GEOG 239 Envi Plng & Policy - ENVI 225 Intro Int’l Envi Policy* <i>Source Project students only:</i> - ENVI 181A/PHIL 180D Climate Justice	4
D. One introductory economics courses	- ECON 160 Microeconomics - ECON 162 Macroeconomics	4
E. One introductory methods course	Recommended: - ENVI 220 Researching Sustainability and the Environment Allowed: - MATH 147 Statistics - GEOG 360 GIS/Spatial Analysis - DIDA 110 Database Fundamentals - DIDA 130 Intro to Statistical Thinking - DIDA 260 Data Visualization - ANTH 200 Statistics in Anthropology <i>First-Year Research Immersion (FRI) and Source Project students only:</i> - ENVI/GEOL 234 Biogeochemistry (FRI) *if not already used as a substitute for ENVI 201 - ENVI/GEOL 206 Environmental Visualization (FRI) - BIOL 241 Ecological Genetics (FRI) - PLSC 180B People, Politics, and the Environment (Source Project)	4
F. One lower-level course related to environmental science (Biological	- ANTH 167 Introduction to Archaeology - BIOL 105 Evolution for Everyone - BIOL 113 Intro to Cell & Molecular Biol - BIOL 114 Intro to Organisms & Population Bio	4

Sciences, Earth Sciences, Geography)	- GEOL 105 Earthquakes and Volcanoes - GEOL 112 Oceanography - GEOL 142 Water - GEOL/ENVI 170 Environmental Geology - GEOG 105 Our Digital Earth - GEOG 120 Weather & Climate - GEOG 121 Physical Geog - GEOG 151 World Regional Geog - GEOG 221 Global Climate Change	
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. Additional courses may be available as topics courses each semester. Check the ENVI website.	<u>The Environment & Resource Management</u> ENVI 327 Natural History of Nature Preserve* ENVI 332 Waters, Rivers, and Society* ENVI 348 Ruins: Abandoned Remembered ENVI 362 Biodiversity as an Ecosystem service ENVI 363 Measuring the Natural World* ENVI/GEOL 423 Soils ENVI 421 Made of Maiz: Indigenous Worlds ENVI 431 Environments of E and SE Asia ENVI 428 Sustainability in Great Lakes Region GEOG 437 Natural Resource Conservation GEOL 303 Earth Materials** <u>Food Systems</u> ENVI 336 Sweet Harvest: Bees and Maple** ENVI 338 Food Policy: Health & Security ENVI 438 AgBiotech: Science, Policy & Conflict ENVI 453 Cider & Wine Vineyard to Glass* <i><u>Past Special Topics Courses</u></i> <i>Future availability of these courses may vary</i> ENVI 481G Archaeology of Domestication PHIL 380F Philosophy of Food ANTH 480U Food and Eating PLSC 486N Environment and Conflicts <u>Environmental Policy & Planning</u> ENVI 303 Environmental Health ENVI 312 Environmental Law & Policy** ENVI 337 Road Rail Air: Sust Transport ENVI 340 Natural Resource Equity in the Global South ENVI 345 U.S. Energy Policies ENVI 382B Community & Urban Sociology ENVI 400 Sust Comm 1: Theory & Practice* ENVI 410 Sustainable Comm II: Policy & Practice** ENVI 415 Environmental Planning* ENVI 416 Disaster Planning & Resilience** ENVI 465 Earth Justice* GEOG 341 Water Resources Planning and Management	20

H. One upper-level Environ Public Policy course	- ENVI 312 Environmental Law & Policy** - ENVI 338 Food Policy: Health & Security* - ENVI 345 U.S. Energy Policies* - ENVI 410 Sust Comm II: Policy & Practice - ENVI 465 Earth Justice* - GEOG 437 Natural Resource Conservation - PLSC 486C Environmental Politics & Policy Past Special Topics Courses <i>Future availability of these courses may vary</i> - PLSC 486C Environmental Politics & Policy	4
I. One upper-level research, teaching, and/or applied course in Sustainable Systems	- ENVI 423 Soils - ENVI 421 Made of Maiz: Indigenous Worlds - ENVI 431 Environments of E and SE Asia - ENVI 428 Sustainability in Great Lakes Region - GEOG 437 Natural Resource Conservation - ENVI 438 AgBiotech: Science, Policy & Conflict - ENVI 453 Cider & Wine Vineyard to Glass* - ENVI 400 Sust Comm 1: Theory & Practice* - ENVI 410 Sustainable Comm II: Policy & Practice** - ENVI 416 Disaster Planning & Resilience** - ENVI 415 Environmental Planning* - ENVI 465 Earth Justice* The following may be appropriate, but require department permission. - ENVI 397 Independent Study - ENVI 491 Undergraduate Teaching - ENVI 495 or CDCI 395 Environ Internship (need to receive approval from undergraduate director to receive ENVI major credit for CDCI 395) Past Special Topics Courses <i>Future availability of these courses may vary</i> - PLSC 486N Environment and Conflicts - ENVI 481G Archaeology of Domestication	4
J. One upper-level capstone course	- ENVI 413 Environ Studies Capstone - ENVI 497 Independent Study (requires approval from faculty supervisor) - ENVI 481W White Mountain Field School (offered summer only; additional course fee applies; contact ENVI director for details) * Honors Thesis can substitute for a capstone course. See undergraduate director.	4
	Total Credits:	56