Environmental Studies Major Worksheet
Social Science Track*
2013-2014

1. Introduction to Environmental Studies  
   - ES 137 introduction to environmental studies

2. Natural Science study of the environment *(two courses from, one must carry ES Dept designation)*  
   - BI/ES 226 conservation biology  
   - BI/ES 228 environmental health  
   - ES 123 geophysics (formerly Phys 123)  
   - ES 245 global climate change  
   - ES 255 remote sensing/GIS  
   - ES 281/381 when taught with natural science focus and approved by Chair  
   - BI/ES 286 tropical ecology in Costa Rica

3. Arts and Humanities study of the environment *(two courses from)*  
   - ES 202 culture of nature  
   - ES 222 campus ecology  
   - ES 270 nature & Amer. landscape  
   - ES 281/381 when taught with arts and humanities focus and approved by Chair  
   - Hist 245 Latin Amer. environmental history  
   - Hist 275 environmental history  
   - Phil 257 environmental ethics  
   - Eng 276 environmental literature

4. Methodological Analysis *(one course from)*  
   - ES 255 remote sensing/GIS  
   - Stat 110 principles of statistics  
   - Stat 212 statistics for scientists  
   - Stat 263 statistics for economics  
   - Stat 272 statistical modeling  
   - SA 371 soc sci research: quantitative methods  
   - Psych 230 psychology research methods  
   - PS 220 analyzing politics & policies

5. Economic Analysis *(two courses from)*  
   - Econ 121 (or Econ 110-120)  
   - Econ 242 environmental economics  
   - Econ 243 economic development  
   - PS 221 environmental policy (ES Australia)  
   - Psych 227 environ psychology (Rocky Mtns)  
   - SA 222 cultural anthropology (ES Australia)  
   - SA 297 environmental anthropology  
   - ID 234 human geography of the Middle East

6. Environmental Political Policy & Institutions *(one course from)*  
   - ES/PS 201 global environmental politics  
   - ES 232 environmental policy & regulation  
   - ES/PS 276 environmental politics  
   - ES/PS 201 global environmental politics  
   - ES/PS 225 environmental political theory  
   - ES 232 environmental policy & regulation  
   - ES/PS 276 environmental politics  
   - ES 281/381 when taught with social science emphasis and approved by Chair  
   - ES 396 when taught with social science focus and approved by Chair

7. Social Science Electives *(two courses from)*  
   - ES/PS 201 global environmental politics  
   - ES/PS 225 environmental political theory  
   - ES 232 environmental policy & regulation  
   - ES/PS 276 environmental politics  
   - ES 281/381 when taught with social science emphasis and approved by Chair  
   - ES 396 when taught with social science focus and approved by Chair

8. Senior Capstone  
   - ES 399 senior EnvSt seminar

9. Experiential Component (see reverse)

*Double counting of courses for multiple requirements is not permitted. For example, consider ES 255. If it is used to meet requirement #2, then it cannot apply to #4 and vice versa.*
Experiential Component in Environmental Studies: Guidelines & Planning

The experiential component blends academic study and environmental experiences. The combination should approximate the time and effort required in one full course. The component must be completed as a separate unit in addition to ENVST 399/98 Senior Capstone or Independent research. To assist you with the process of constructing and executing an activity that meets the guidelines below, a planning document has been created. Please complete the planning form and have it approved prior to registering for a course, engaging in independent research, independent study, or an internship. Referenced links can be found at http://www.stolaf.edu/depts/environmental-studies/experientialguidelines.html

The component may be satisfied in either of two ways:

**OPTION 1:** By successful completion of an approved course or off-campus program. An updated list of approved programs and courses includes the following:

**Semester Courses and Programs**
- BIO 371 Field Ecology
- Biology in South India (STO)
- Environmental Studies in Australia (STO)
- Field Research in the Environment, Social Sciences & Humanities (ACM)
- Washington Semester in International Environment and Development (American U)
- Wilderness Field Station in Ely, MN (Coe College)

**Interim Courses**
- BIO 281 Winter Ecology
- BIO 282 Desert Ecology
- BIO 287 Island Biology
- BIO 288 Equatorial Biology
- BI/ES 286 Tropical Ecology and Sustainable Land Use in Costa Rica

**OPTION 2:** By successful completion of an independent study, independent research (including CURI), internship or similar combination of academic study and environmental experience. The activity must meet the following guidelines for the experiential component and receive approval of the Chair of Environmental Studies before and after the activity is conducted. Use the Piper Center’s internship Learning Plan document as a guide to frame your thoughts on these topics!

1. **Educational Purpose.** The activity must demonstrate a clear educational purpose.
2. **Environmental Focus.** The focus of the activity must be the environment.
3. **Out-of-classroom context.** The activity must involve experiences that are conducted outside of the usual classroom context. Typically these will be off-campus experiences, although exceptions may be made for on-campus projects or research in which the experiences are student organized and initiated.
4. **Academic Reflection.** The activity must demonstrate academic reflection on environmental experiences. Typically this will involve the study of books or articles as a basis for reflections on experiences. The reflections should be organized and presented in journals, essays or reports.
5. **Duration.** The combination of academic study and environmental experiences should approximate the time and effort required for one full course, that is, 140-160 hours.

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