

## Environmental Studies Degree Checklist

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_ Advisor: \_\_\_\_\_

### Natural Sciences:

13 Credits				
Course Title	Course #	Credits	Plan	Done
Intro to Environ Science	ESM 220	4		
Applied Environ Studies	ESM 221	4		
Physical Geography	GEOG 210	4		
Environmental Seminar	ESM 407	1		

8 Credits				
Course Title	Course #	Credits	Plan	Done
Fundamentals of Chem I	ESM 230	4		
Fundamentals of Chem II	ESM 231	4		
Intro Chemistry I	CH 104	4		
Intro Chemistry II	CH 105	4		

8 Credits in 1 Sequence				
Course Title	Course #	Credits	Plan	Done
Principles of Biology	BI 252	5		
Principles of Biology	BI 253	5		
Bio Concepts & Applications	SCI 341	4		
Bio Concepts & Applications	SCI 342	4		

### Social Science & Management:

20 Credits				
Course Title	Course #	Credits	Plan	Done
Applied Env Stud:Policy Considerations	ESM 222	4		
Env/Society: Global Perspectives	GEOG 230	4		
Resource Management	GEOG 345	4		
Economics of Environ Issues	EC 332	4		
Intro to Environ Mgmt	ESM 335	4		

4 Credits				
Course Title	Course #	Credits	Plan	Done
Environ Issues & Action	GEOG 347	4		
Environment & History	HST 339	4		
Env & Ecological Literacy	ESM 330	4		
Environ Ethics	PHL 310	4		
Politics of the Environ	PS 319	4		

### Skills:

9 Credits (Visualizing Spatial Data)				
Course Title	Course #	Credits	Plan	Done
Maps & Geographic Info	GEOG 380	5		
Geog Info Syst I: Intro	GEOG 488	4		

4 Credits (Quantitative)				
Course Title	Course #	Credits	Plan	Done
Visualization of Spatial Data	GEOG 496	4		
Research Methods in Env Sci	ESM 340	4		
Spatial Quant Analysis	GEOG 497	4		
Environmental Statistics	SCI 314	4		
Intro Probability&Stats I	STAT 243	4		

4 Credits (Field Methods)				
Course Title	Course #	Credits	Plan	Done
Field Sampling	BI 473	4		
Field Methods in Phys Geog	GEOG 420	4		
Bldg GIS Database w/GPS	GEOG 4/589	4		
Field Methods in Human Geog.	GEOG 425	4		
Field Methods	ESM 342*	2		

\* ESM 342 can be taken twice for 4 credits to satisfy this requirement

4 Credits (Communications)				
Course Title	Course #	Credits	Plan	Done
Advanced Topics: Cultural Stud	ENG 449	4		
Visual Image Analysis	GEOG 480	4		
Satellite Digital Image Analysis	GEOG 481	4		
Map Design & Production	GEOG 485	4		
Maps, Models & GIS	GEOG 495	4		
Technical Report Writing	WR 327	4		

### General Education (45 Credits)

Course Title	Credits	Plan	Done
Freshman Inquiry	5, 5, 5		
Soph. Inquiry	4, 4, 4		
Junior Cluster	4, 4, 4		
Senior Capstone	6		

### Topical Areas:

16 Credits From 1 Area				
Environmental Systems				
Course Title	Course #	Credits	Plan	Done
Ecological Toxicology	ESM 420	4		
Wetland Ecology	ESM 424	4		
Watershed Hydrology	ESM 425	4		
Ecology/Streams & Rivers	ESM 426	4		
Watershed Biogeochemistry	ESM 427	4		
Urban Ecology	ESM 428	4		
Environ Impact Assessment	ESM 429	4		
Old-growth Forest Ecology	ESM 445	4		
Air Quality	ESM 460	4		
Limnology & Aquatic Ecology	ESM 475	4		
Fate &Trans/Toxics in Envr	ESM 479	4		
Marine Coastal Ecology	ESM 480	4		
Ecol & Mgmt of Bioinvasions	ESM 485	4		
Landscape Connectivity	ESM 499	4		
Climatology	GEOG 311	4		
Biogeography	GEOG 313	4		
Alpine Environment	GEOG 322	4		
Water in the Environment	SCI 335, 336	4		
Old Growth Forest Ecol & Mgmt	SCI 345, 346	4		

Urban Issues				
Course Title	Course #	Credits	Plan	Done
Urban Ecology	ESM 428	4		
Urban Geography	GEOG 332	4		
Urban Landscapes	GEOG 432	4		
Sustainable Cities	GEOG 442	4		
Urban Streams	GEOG 447	4		
The Urban Forest	GEOG 448	4		
Urban Planning Envir Issues	USP 313	4		
Healthy Communities	USP 424	4		
Urban Economics	USP 431	4		
Urb Transport: Probs & Policies	USP 456	4		

Resource Management				
Course Title	Course #	Credits	Plan	Done
Natural Resource Economics	ESM 433	4		
Business Env Mgmt Economics	ESM 434	4		
Global Environ Economics	ESM 443	4		
Marine Conservation & Mgmt	ESM 483	4		
Resource Mgmt Topics	GEOG 445	4		
Water Resource Mgmt	GEOG 446	4		
Energy & Society	SCI 321,322	4		
Urban Economics	USP 431	4		
Green Econ & Sustain Dev	USP 490	3		

Nature/Society Interactions				
Course Title	Course #	Credits	Plan	Done
Culture and Ecology	ANTH 414	4		
Natural Resource Economics	ESM 433	4		
Environmental Economics	EC 432	4		
Economics of Green Power	EC 444	4		
Climate Variability	GEOG 312	4		
Biogeography	GEOG 313	4		
World Pop. & Food Supply	GEOG 346	4		
Cultural & Political Ecology	GEOG 348	4		
Mountain Geography	GEOG 349	4		
Cultural Geography	GEOG 430	4		
Sense of Place	GEOG 462	4		
American Environ History	HST 440,441	4		
Politics of the Environment	PS 319	4		
Environmental Ethics	PHL 310	4		
Sci & Policy of Climate Chng	SCI 352	4		
Globalization	SOC 320	4		
Environmental Sociology	SOC 465	4		
Healthy Communities	USP 424	4		
Neighborhood Conserv & Chg	USP 426	4		
Population and Society	USP 419	4		

Environmental Education				
Course Title	Course #	Credits	Plan	Done
Intro to Education & Society	ED 420	4		
Enviro Ed (Indep. Study)	ESM 402	4		
Projects	ESM 406	4		
Sense of Place	GEOG 462	4		
Teaching Everyday Science	SCI 311,312	4		