

**Environmental Studies Degree Checklist**

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

**Core (28 credits):**

Course Title	Course #	Credits	Plan	Done
Orientation to ESM	ESM 150	1		
Intro to Env Science	ESM 220	4		
Applied Env Studies I	ESM 221	4		
Applied Env Studies II	ESM 222	4		
Env &Ecol Literacy	ESM 330	4		
Methods of Env mgmt	ESM 333	4		
Methods of Env Mgmt lab	ESM 334	2		
Intro to Env Mgmt	ESM 335	4		
Env Seminar	ESM 407	1		

**Foundation (32-34 credits):**

Course Title	Course #	Credits	Plan	Done
<b>Biology (select one sequence)(8 or 10)</b>				
Bio Concepts & App I	SCI 341	4		
Bio Concepts & App II	SCI 342	4		
or				
Principles of Biology	BI 212	5		
Principles of Biology	BI 213	5		
<b>Other foundation courses (24)</b>				
Fund. of Chem I	ESM 230	4		
Fund. of Chem II	ESM 231	4		
Physical Geography	GEOG 210	4		
Env/Society	GEOG 230	4		
Resource Mgmt	GEOG 345	4		
Economics Env Issues	EC 332	4		

**Skills (20 credits)**

<b>Quantitative Analysis (select one course)(4)</b>				
Course Title	Course #	Credits	Plan	Done
Intro Prob & Stats I	STAT 243	4		
Environ Statistics	SCI 314	4		
Res Methods/ Env Sci	ESM 340	4		
<b>Other Skill courses (16)</b>				
Maps & Geograp Info	GEOG 380	4		
Geog Info Syst I: Intro	GEOG 488	4		
Field Methods	ESM 342*	2		
Tech Report Writing	WR 327	4		

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

**General Education (45 Credits)**

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

**Electives (39-41 credits)**

Electives	Credits	Plan	Done

Degree map: <<http://www.pdx.edu/undergraduate-programs>>

**Topical Areas (16 Credits: 2 ESM, 2 GEOG, from 1 Area)**

<b>Freshwater Resources and Management</b>				
Course Title	Course #	Credits	Plan	Done
Impacts Climate Change	ESM 410	4		
Ecosystem Restoration	ESM 416	4		
Wetland Ecology	ESM 424	4		
Watershed Hydrology	ESM 425	4		
Ecology/Streams & Rivers	ESM 426	4		
Watershed Biogeochemistry	ESM 427	4		
Nat Resource Policy & Mgmt	ESM 435	4		
Water Quality Policy & Mgmt	ESM 463	4		
Phytoplankton Physiology	ESM 473	4		
Wetland Biodiversity	ESM 474	4		
Limnology & Aquatic Ecology	ESM 475	4		
Aquatic Vascular Plants	ESM 478	4		
Fate &Trans/Toxics in Envr	ESM 479	4		
Hydrology	GEOG 414	4		
Resource Mgmt Topics	GEOG 445	4		
Water Resource Mgmt	GEOG 446	4		
Urban Stream	GEOG 447	4		
GIS for Water Resources	GEOG 494	4		
<b>Forest Resource and Management</b>				
Impacts Climate Change	ESM 410	4		
Ecosystem Restoration	ESM 416	4		
Landscape Ecology	ESM/GEOG 418	4		
Watershed Biogeochemistry	ESM 427	4		
Nat Resource Policy & Mgmt	ESM 435	4		
Forest Ecology	ESM 444	4		
Urban Forest and Parks	ESM 465	4		
Biogeography of PNW	GEOG 413	4		
Resource Mgmt Topics	GEOG 445	4		
Urban Forests	GEOG 448	4		
<b>Urban Environments</b>				
Impacts Climate Change	ESM 410	4		
Ecological Toxicology	ESM 420	4		
Urban Ecology	ESM 428	4		
Nat Resource Policy & Mgmt	ESM 435	4		
Air Quality	ESM 460	4		
Urban Forest and Parks	ESM 465	4		
Fate &Trans/Toxics in Envr	ESM 479	4		
Urban Landscapes	GEOG 432	4		
Sustainable Cities	GEOG 442	4		
Resource Mgmt Topics	GEOG 445	4		
Urban Forests	GEOG 448	4		
<b>Ecology and Conservation</b>				
Ecosystem Restoration	ESM 416	4		
Impacts Climate Change	ESM 410	4		
Landscape Ecology	ESM/GEOG 418	4		
Wetland Ecology	ESM 424	4		
Forest Ecology	ESM 444	4		
Old Growth Forest Ecology	ESM 445	4		
Urban Forest and Parks	ESM 465	4		
Wetland Biodiversity	ESM 474	4		
Limnology & Aquatic Ecology	ESM 475	4		
Aquatic Vascular Plants	ESM 478	4		
Coastal Marine Ecology	ESM 480	4		
Marine Conservation & Mgmt	ESM 483	4		
Ecology & Mgmt Bioinvasion	ESM 485	4		
Biogeography of PNW	GEOG 413	4		
Soil and Land Use	GEOG 415	4		
Resource Mgmt Topics	GEOG 445	4		
Water Resource Mgmt	GEOG 446	4		
<b>Environmental Policy and Land Use</b>				
Impacts Climate Change	ESM 410	4		
Ecosystem Restoration	ESM 416	4		
Landscape Ecology	ESM/GEOG 418	4		
Urban Ecology	ESM 428	4		
Environ Impact Assessment	ESM 429	4		
Nat Resource Policy & Mgmt	ESM 435	4		
Air Quality	ESM 460	4		
Water Quality Policy & Mgmt	ESM 463	4		
Marine Conservation & Mgmt	ESM 483	4		
Biogeography of PNW	GEOG 413	4		
Soil and Land Use	GEOG 415	4		
Urban Landscapes	GEOG 432	4		
Sustainable Cities	GEOG 442	4		
Resource Mgmt Topics	GEOG 445	4		
Water Resource Mgmt	GEOG 446	4		
<b>Nature and Cultures</b>				
Impacts Climate Change	ESM 410	4		
Ecosystem Restoration	ESM 416	4		
Natural Resource Economics	ESM 433	4		
Urban Forest and Parks	ESM 465	4		
Ecology & Mgmt Bioinvasion	ESM 485	4		
Cultural Geography	GEOG 430	4		
Urban Landscapes	GEOG 432	4		
Sustainable Cities	GEOG 442	4		
Resource Mgmt Topics	GEOG 445	4		
Sense of Place	GEOG 462	4		