

**AREA OF CONCENTRATION IN ENVIRONMENTAL STUDIES (ES)
MAJOR WORKSHEET 2005-2007**

Students wishing to pursue this area of concentration must complete an application available at the following website: http://www.morris.umn.edu/services/acad_affairs/aavarious.html#areaconcentration . Attach the worksheet below to the application for Area of Concentration. Required signatures must be provided on the Area of Concentration form.

Objectives – Students who pursue an Environmental Studies major are preparing for many different post-college careers and graduate programs, including but not limited to environmental advocacy and policy, law, natural resource management, conservation biology, toxicology, and public health. The following list of courses is intended as a guide only. Students should work closely with an advisor to carefully select the courses that will best match the student's particular area of interest. It is recommended that students cap their area of concentration with a targeted internship or senior project. Existing capstone projects done as courses within other majors (e.g., Biol 4901 or Pol 4901) can be used for this purpose with the consent of the faculty.

Minimum required credits = 48

Required Courses:		Credits	Term
Biol 2101	Evolution of Biodiversity	4	_____
Biol 3131	Ecology	4	_____
Chem 1101	General Chemistry I	4	_____
Chem 1102	General Chemistry II	4	_____
Stat 2601	Statistical Methods	4	_____
Econ 1111	Principles of Microeconomics	4	_____
Econ 3007	Environmental and Natural Resource Economics I	2	_____
Econ 3008	Environmental and Natural Resource Economics II	2	_____
Phil 2111	Introductory Ethics	4	_____
Pol 1201	American Government and Politics	4	_____

Recommended courses: choose 12-16 credits from the following list that reflect a cohesive focus.

Biol 3101	Genetics	4	_____
Biol 3121	Molecular Biology	5	_____
Biol 3171	Plant Systematics and Evolution	4	_____
Biol 4102	Human Physiology	4	_____
Biol 4121	Herpetology	4	_____
Biol 4131	Vertebrate Natural History	4	_____
Biol 4151	Entomology	4	_____
Biol 4181	Developmental Biology	4	_____
Biol 4191	Freshwater Biology	4	_____
Biol 4211	Biochemistry	4	_____
Biol 4311	Conservation Genetics	4	_____
Biol 4331	Global Change Economy	4	_____
Chem 2301	Organic Chemistry I	4	_____
Chem 2302	Organic Chemistry II	3	_____
Engl 4012	Imagining the Earth	4	_____
Geol 3061	Introduction to Soils	2	_____
Geol 3421	Airphoto Interpretation	4	_____
Geol 3501	Hydrology	4	_____
Phil 3121	Political Philosophy	4	_____
Pol 3411	International Law	4	_____
Pol 3261	State and Local Politics	3	_____

See Sample Four-Year Plan on Reverse

**Sample Four Year Plan: Area of Concentration in
Environmental Studies**

Year	Fall	Spring
One	IS 1001 First Year Seminar (FYS) 2 Chem 1101 General Chemistry I (Sci) 4 Engl 1011 College Writing (CW) 4 Pol 1201 American Gov't & Politics (E/CR) <u>4</u> Credits this term = 14	Biol 1101 Biological Principles 3 Chem 1102 General Chemistry II (Sci-L) 4 Econ 1111 Principles of Microeconomics (SS)4 GenEd elective <u>4</u> Credits this term = 15
Two	Econ 3007 Environmental Economics (Envt) 2 Foreign Language I 4 Stat 1601 or 2601 Intro Stat/Statistical Methods(M/SR) 4 GenEd elective (FA) <u>4</u> Credits this term = 14	Phil 2111 Introductory Ethics (Hum) 4 Foreign Language II (FL) 4 GenEd elective (Hist) 4 GenEd elective (ArtP) 1 Elective <u>2</u> Credits this term = 15
Three	Biol 3131 Ecology 4 Econ 3008 Environmental Economics II 2 ES elective 4 Elective <u>4</u> Credits this term = 14	ES elective 4 Elective 4 Elective 4 Elective <u>4</u> Credits this term = 16
Four	ES elective 4 Elective 4 Elective 4 Elective <u>4</u> Credits this term = 16	ES Elective 4 Elective 4 Elective 2 Elective <u>4</u> Credits this term = 16