

STUDENT NAME:



Natural Resources Management

The ENST concentration in **Natural Resources Management** is designed to teach students concepts of the environmentally sound use and management of natural resources. Ecosystems and human societies are linked in complex cycles and relationships between vegetation and wildlife, forests and cities, conservation and development. By learning to participate effectively within these cycles, we will help sustain a harmonious relationship between the environment and human activities.

	ENST Core	(44 credits)	S P	emester rojected	Semester Taken	Final Grade
	BSCI 170&171	Principles of Molecular & Cellular Biology (F, Sp, S	5u; 4)			
	MATH 120	Elementary Calculus I (F, Sp, Su; 3)				
	BSCI 160&161	Principles of Ecology & Evolution (F, Sp, Su; 4)				
	CHEM 131&132	Fundamentals of General Chemistry & Lab (F, Sp,	Su; 4)			
	ENST 200	Fundamentals of Soil Science (F, Sp; 4)				
	ENST 233	Introduction to Environmental Health (F, Sp; 4)				
	CHEM 231&232	Organic Chemistry I & Lab (F, Sp, Su; 4)				
	PHYS 121	Fundamentals of Physics I (F, Sp, Su; 4)				
	GEOG 306	Introduction to Quantitative Methods for the Geo	graphic			
	{	Environmental Sciences (F, W, Sp, Su; 3) - or -				
	BIOM 301	Introduction to Biometrics (F, W, Sp; 3)				
	ENST 360	Ecosystem Ecology (F; 4)				
٠	ENST 389	Professional Internship (F, Sp, Su; 3)				
	Senior Integrative I	Experience (F, Sp; 3) - <i>Choose One</i>				
•	ENST 388 ENST 470 ENST 472 ENST 486	Honors Thesis Research (F, Sp; 3) - or - Ideas into Impact (Sp; 3) - or - Capstone II (F, Sp; 3) - or - Senior Professional Internship (F, Sp; 3) - or - Research Experience (Group or individual project) (F, Sp; 3)				
	Concentratio	on Core (9 credits)				
	BSCI 222	Principles of Genetics (F, Sp, Su; 4)				
	ENST 214	Introduction to Natural Resources Management	(Sp; 3)			
	ENST 487	Environmental Conflicts and Decision Making (Sp	; 2)			
	Concentratio	Depth (12 credits - Choose 4 courses, conti	nued on back)			
	C ENST 456	Spatial Analysis and Ecological Sampling (F; 3) -	Dr-			
	GEOG 272	Intro to Earth Observation Science (F, W, Sp, Su; 3)- or -			
	GEOG 373	Geographic Information Systems (F, W, Sp, Su; 3)				
🔺 Be	nchmark to be completed by	30 credits Students must maintain an overall GPA	Courses not selected here	may count as tec	hnical electives o	on the back

Benchmark to be completed by 90 credits
Requires prior approval

Students must maintain an overall GPA of 2.0 and a grade of **C- or better for** all ENST required classes. Courses not selected here may count as technical electives on the back, but cannot be counted as both an elective and as a concentration CORE/ DEPTH course.



Concentration Depth (Cont.)

(12 credits - Choose 4 courses) ENST 450 Wetland Ecology (F; 3) -or-**ENST 453** Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology (Sp; 3) **AREC 240** Intro. to Economics and Environment (Sp; 4) -or-**AREC 241** Environment, Economics, and Policy Studies (F; 3) -or-**ENST 410 Ecosystem Services: An Integrated** Analysis (Sp-Even years; 3) **ENST 430** Wetland Soils (Sp; 3) -or-**ENST 441** Issues in Sustainable Agriculture (F; 3) -or-**ENST 462** Field Techniques in Wildlife Management (Sp; 3) -or-GEOG 418 Field and Laboratory Techniques in Environmental Science (F; 3)

Any combination of electives can be taken. Courses appear in blocks of related topics to assist students in tailoring their program to particular interests with Natural Resources Management. Under some circumstances, other 300 or 400 level electives can be substituted with advisor's approval.

Semester

Projected

Semester

Taken

Final

Grade

	Technic	al Electives (12 credits)	Semester Projected	Semester Taken	Final Grade
•	Wildlife FNST 460	Principles of Wildlife Management (F· 3)			
•	ENST 460	IIrhan Wildlife Management (TRA: 3)			
•	BSCI 334&335	Mammalogy (Sp: 4)			
٠	ENSP 102	Introduction to Environmental Policy (Sp: 3)			
٠	PLSC 254	Woody Plants for Mid-Atlantic Landscape II (Sp. 4)			
	CENSP 330	Introduction to Environmental Law (E Sp. 3) - or -			
٠	GVPT 273	Introduction to Environmental Politics (F, Sp; 3)			
	Fisheries				
٠	COMM 250	Introduction to Communication Inquiry (F, Sp; 3)			
٠	COMM 382	Essential of Intercultural Communication (F, Sp; 3)			
٠	GEOG 331	Intro to Human Dimensions of Global Change (Sp; 3)			
•	GEOG 416	Conceptualizing and Modeling Human-Environmental Interactions (Sp; 3)			
٠	ENSP 102	Introduction to Environmental Policy (Sp; 3)			
٠	ENSP 330	Introduction to Environmental Law (F, Sp; 3)			
٠	GVPT 273	Introduction to Environmental Politics (F, Sp; 3)			
	Wetlands				
٠	ENST 452	Wetland Creation and Restoration (Sp; 3)			
٠	GEOL 452	Watershed and Wetland Hydrology (F; 3)			
٠	PLSC 254	Woody Plants for Mid-Atlantic Landscape II (Sp; 4)			
	Forestry				
	PLSC 253	Woody Plants for Mid-Atlantic Landscapes I (F; 3)			
	PLSC 254	Woody Plants for Mid-Atlantic Landscapes II (Sp; 3)			
	PLSC 400	Plant Physiology (Sp; 4)			
•	Required for Profess	ional Certification as an Associate Wildlife Riologist by The Wildlife S	ociety		

- Required for Professional Certification as an Associate Fisheries Professional by American Fisheries Society.
- Required for Professional Certification as an Wetland Professional in Training (WPIT) by The Society of
- Required for Professional Certification as an Wetland Professional in Training (WPIT) by The Society of Wetland Scientists Professional Certification Program (SWSPCP).