

**Sample 4-year plan: *Environmental Science and Technology – Soil and Watershed Science* [0199C]**

<b>Year 1</b>	<b>Fall</b>	<b>Cr</b>	<b>Spring</b>	<b>Cr</b>
1. * Satisfies CORE program requirements; one of the HA, HL, HO, SH, or SB can also be used to satisfy a D (diversity) course if designated as such.	ENGL 101* Academic Writing	3	CORE*	3
	CORE*	3	CORE*	3
	MATH 140* Calculus I <i>or</i> MATH 220* Elementary Calculus I	3-4	BSCI 106* Principles of Biology II	4
	BSCI 105* Principles of Biology I	4	PLSC 100 Introduction to Horticulture <i>or</i> PLSC 101 Introduction to Crop Science	4
		13-14		14
<b>Year 2</b>	<b>Fall</b>	<b>Cr</b>	<b>Spring</b>	<b>Cr</b>
	CORE*	3	CORE*	3
	PHYS 121* Fundamentals of Physics <i>or</i> PHYS 117* Introduction to Physics	4	CORE*	3
	ENST 233 Introduction to Environmental Health	3	ENST 200* Fundamentals of Soil Science	4
	CHEM 131* Chemistry I	3	CHEM 231 Organic Chemistry I	3
	CHEM 132* Chemistry I Lab	1	CHEM 232 Organic Chemistry I Lab	1
		14		14
<b>Year 3</b>	<b>Fall</b>	<b>Cr</b>	<b>Spring</b>	<b>Cr</b>
2. 9 credits of Technical electives courses are required; courses must be relevant to the students ENST option area and chosen in accordance with advisor.  3. 6-7 credits of Breadth electives courses are required; courses must be relevant to the students ENST option area and chosen in accordance with advisor.	BIOM 301 Introduction to Biometrics	3	ENGL 393* Professional Writing	3
	ENST 417 Soil Hydrology and Physics	3	ENST 389 Internship	3
	CORE*	3	ENST 360 Ecosystem Ecology	4
	GEOL 100 Physical Geography	3	ENST 421 Soil Chemistry	3
	GEOL 110 Physical Geology Lab	1	Technical Elective	3
	Breadth Elective	3		
		16		16

<b>Year 4</b>	<b>Fall</b>	<b>Cr</b>	<b>Spring</b>	<b>Cr</b>
4. ** Take after completion of 60 credits to also satisfy CORE advanced studies requirement.	ENST 422 Soil Microbiology	3	Technical Elective	3
	ENST 470** Capstone/Practicum in ENST	4	CORE (non-ENST Advanced Study)*	3
	ENST 414 Soil Morphology, Genesis, and Classification	4	Technical Elective	3
	Free Elective	3-4	Free Elective	3-4
	ENST 398 Seminar	1	Breadth Elective	3-4
		15-16		15-17
Total Credits Required: 120				