

Environmental and Ecological Sciences

Bachelor of Science (BS.ENST)

Core Requirements				Credits	Notes/Instructions
College Sem.	Quest for Meaning	CSEM 100		3	†A student may be required to take ENGL 105 and/or MATH 100 based on placement exams administered prior to their first semester at King's College. ENGL 105 and MATH 100 are 3-credit courses and will count as free electives. †† The Intercultural Competence requirement can be satisfied by taking a 100-level language class for 3 credits or participating in an approved Study Abroad experience. (See college catalog for more information) SBM = Satisfied By Major requirement(s)
Communication & Creative Expression	Writing	ENGL 110 [†]		3	
	Oral Communication	COMM 101		3	
	Literature	ENGL 140-149		3	
	The Arts	ARTS 100-149		3	
Citizenship	History	HIST 100-149		3	
	Intercultural	FREN/GERM/SPAN 100-level or Study Abroad ^{††}		3	
	Global Connections	ECON 150-199; GEOG 150-199; HIST 150-199; PS 150-199; SOC 150-199		3	
Quantitative & Scientific Reasoning	SBM Quantitative Reasoning	MATH 120 [†] or higher level		-	
	SBM Scientific Endeavor	NSCI 100		-	
	SBM Science in Context	NSCI 171-199		-	
	Human Beh. & Soc. Inst	ECON 111, 112; GEOG 101, 102; PS 101, PSYC 101, SOC 101		3	
Wisdom, Faith, & the Good Life	Introduction to Phil.	PHIL 101		3	
	Phil. Investigations	PHIL 170-199		3	
	Theology & Wisdom	THEO 150-159		3	
	Theology & the Good Life	THEO 160-169 ²		3	
Total Core Credits				39	
Major Requirements	Credits	Major Requirements	Credits	Elective ³ / Other Requirements	Credits
ENST 201	3	BIOL 113	3	HCE 101 Holy Cross Exp.	1
ENST 201L	1	BIOL 113L	1	Free Elective ³ (MATH 125)	3-4
ENST 202	3	BIOL 210	3	Free Elective ³	3
ENST 202L	1	BIOL 210L	1	Free Elective ³	3
ENST 370	3	CHEM 113	3		
ENST 410	3	CHEM 113L	1		
MATH 128	4	CHEM 114	3		
ENST 490 or 491 or 499	3	CHEM 114L	1		
Major Elective*	3-5	CHEM 241	3		
Major Elective*	3-5	CHEM 241L	1		
Major Elective*	3-4	CHEM 242	3		
Major Elective*	3-4	CHEM 242L	1		
Major Elective*	3-4	PHYS 111	3		
Major Elective*	3-4	PHYS 111L	1		
		PHYS 112	3		
		PHYS 112L	1		
Total Major Credits				39-47	
Total Major Credits				32	
				Total Elective³ / Other Credits	10-11

Total Credits Required for Graduation = 120

*Environmental Science Major Electives

*A student **must complete six of the following major electives** to match their individual career goals (at least two must be from the ENST 401 series):

BIOL 314 & 314L Microbiology	ENST 200 Earth Science ⁴	ENST 380 Env Engineering	ENST 435 Wetland Ecol & Delin
BIOL 323 & 323L Genetics	ENST 255 Intro to Geog Inf Syst	ENST 400 Conserv Biol	ENST 440 Wildlife Techniques
BIOL 349 & 349L Anim Beh	ENST 314 Env Sociology	ENST 402 Adirondack Park Ecol	ENST 450 Water Quality Analysis
BIOL 430 & 430L Ecology	ENST 320 Env Health	ENST 403 Chesapeake Bay Ecol	ENST 452 Env Policy
CHEM 243 & 243L Analy Chem (5)	ENST 330 Env Education	ENST 420 Ecotoxicology	SOC 312 Dynamics of Population
CHEM 244 & 244L Analy Chem (5)	ENST 340 Wildlife Nat Hist	ENST 430 Wildlife Ecol & Mgmt	

*Students also have the option of pursuing concentrations in Environmental Policy and Wildlife Conservation (4 courses for each concentration)

Environmental Policy		Wildlife Conservation	
ENST 360 Env Law (required)	PS 332 Politics of Policymaking	ENST 340 Wildlife Nat Hist (required)	ENST 440 Wildlife Techniques
ENST 452 Env Policy (required)	PS 435 Political Behav	ENST 430 Wildlife Eco/Mgmt (required)	BIOL 349 Anim Behav
PS 231 Amer Int Gov Rel	ECON 356 Econ Dev & Intergov	ENST 314 Env Sociology	BIOL 430 & 430L Ecology
PS 232 Public Admin	ECON 493 Wom, Pov, & Env	ENST 367 Env Psychology	
PS 333 State Politics	ENST 367 Env Psychology	ENST 400 Conserv Biol	
PS 335 Munic Admin		ENST 420 Ecotoxicology	

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Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

Fall	Credits	Spring	Credits
ENST 201 Environmental Science I	3	ENST 202 Environmental Science II	3
ENST 201L Environmental Science I Lab	1	ENST 202L Environmental Science II Lab	1
BIOL 113 Evolution & Diversity	3	BIOL 210 Organisms & Their Ecosystems	3
BIOL 113L Evolution & Diversity Lab	1	BIOL 210L Organisms & Their Ecosystems Lab	1
CHEM 113 General Chemistry I	3	CHEM 114 General Chemistry II	3
CHEM 113L General Chemistry I Lab	1	CHEM 114L General Chemistry II Lab	1
Core Course ¹	3	Core Course ¹	3
HCE 101 Holy Cross Experience	1		
	16		15
Summer	Credits		
Fall	Credits	Spring	Credits
ENST Major Elective	3-4	ENST Major Elective	3-4
CHEM 241 Organic Chemistry I	3	CHEM 242 Organic Chemistry II	3
CHEM 241L Organic Chemistry I Lab	1	CHEM 242L Organic Chemistry II Lab	1
Core Course	3	ENST 370 Environmental Seminar	3
Core Course ¹	3	Free Elective ³ (OR MATH 125 ⁵ Calculus)	3-4
		Core Course ¹	3
	14-15		16-18
Summer	Credits		
Fall	Credits	Spring	Credits
ENST Major Elective	3-5	ENST Major Elective	3-5
PHYS 111 General Physics I	3	PHYS 112 General Physics II	3
PHYS 111L General Physics I Lab	1	PHYS 112L General Physics II Lab	1
Core Course ¹	3	Core Course ¹	3
Core Course ¹	3	Core Course ¹	3
Core Course ¹	3		
	15-17		13-15
Summer	Credits		
Fall	Credits	Spring	Credits
ENST Major Elective	3-4	ENST Major Elective	3-4
ENST 490 <u>or</u> 491 <u>or</u> 499	3	ENST 410 Environmental Sampling & Analysis ^{PR}	3
MATH 128 Stats & Data Analysis	4	Core Course ¹	3
Core Course ¹	3	Free Elective ³	3
Core Course ¹	3	(Free Elective ³) if necessary	(3)
	15-16		12-16
Total Credits Required for Graduation = 120			

NOTES:

¹Choose one course from each of the Core Requirements listed on the reverse side.

²Course may satisfy both a Major and a Core requirement. MATH 128 will satisfy the Quantitative Reasoning Core requirement, ENST 201 and 202 will satisfy the Scientific Endeavor and the Science in Context Core requirements.

³Students may select "free electives" for personal enrichment OR for Minor and/or Second Major Requirements.

⁴Course strongly recommended.

^{PR} Course has a prerequisite – check college catalog. All upper level ENST courses require completion of ENST 201, ENST 202, and corresponding labs unless permitted under special circumstance.