

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) and credit(s) listed below.
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 = 143

*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 255 Intro to Geog Inf Syst	ENST 402 Adirondack Park Ecol	ENST 452 Envir Policy
BIOL 323 & 323L Genetics	ENST 310 Comp Mod in Bio & ES	ENST 403 Chesapeake Bay Ecol	SOC 212 Dynamics of Population
BIOL 349 & 349L Anim Beh	ENST 320 Envir Health	ENST 420 Ecotoxicology	
BIOL 430 & 430L Ecology	ENST 340 Wildlife Nat Hist	ENST 430 Wildlife Ecol & Mgmt	
CHEM 243 & 243L Analy Chem (5)	ENST 330 Environmental Educ	ENST 435 Wetland Ecol & Delin	
CHEM 244 & 244L Analy Chem (5)	ENST 367 Envir Psychology	ENST 440 Wildlife Techniques	
ENST 200 Earth Science	ENST 400 Conserv Biol	ENST 450 Water Quality Analysis	

*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 Envir Law (required)	PS 351 Politics of Policymaking	ENST 401B Wildlife Nat Hist (required)	ENST 367 Envir Psychology
ENST 452 Envir Policy (required)	PS 425 Political Behav	ENST 401C Wlffe Eco/Mgmt (required)	BIOL 349 Anim Behav
PS 231 Amer IntGov Rel	ECON 356 Econ Dev & Intergov	ENST 401E Wildlife Tech	BIOL 430 Ecology
PS 232 Public Admin	ECON 493 Wom, Pov, & Env	ENST 401A Conserv Biol	
PS 333 State Politics	ENST 314 Envir Sociology	ENST 401D Ecotoxicology	
PS 351 Munic Admin	ENST 367 Envir Psychology		

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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 ⁶ 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 or 491 or 499	3	_____	ENST 410 Environmental Sampling & Analysis	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.

^{PR} Course has a prerequisite – check college catalog.