

ENVIRONMENTAL SCIENCE - BS
Quantitative Energy Systems Track (120 hours) Effective 2021

NAME	PID	Optional 2 nd Major or Minor
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FOUNDATIONS

English Comp. and Rhetoric	Foreign Language*		Quant. Reas. (QR)	Lifetime Fitness (LFIT)
	1.	3.	MATH 231	(1 hr.)
	2.	4.		

*Through Level 3

APPROACHES

Phys. and Life Sciences (PL/PX)	Social and Behavioral Sciences **	Humanities/Fine Arts
CHEM 101/101L or PHYS 114 or 118 or BIOL 101	Hist. Analysis (HS):	Vis. & Perf. Arts (VP):
CHEM 102/102L or PHYS 115 or 119 or BIOL 201	Soc. Sci./Hist. Analysis (SS/HS): ***	Literary Arts (LA):
	Soc. Sci./Hist. Analysis (SS/HS): ENEC 201	Phil. Reasoning (PH): ****

** From at least two departments *** ECON 101 recommended ****ENEC 325, COMM/ENEC, 375, or ENEC/
 PHIL 368 recommended

CONNECTIONS

Communication Int. (CI)	Quant. Int. (QI) or 2nd Quant. Reas. (QR)	Experiential Ed. (EE)	Global Issues (GL)
	MATH 232	ENEC 698	ENEC 201
US Diversity (US)	North Atlantic World (NA)	World before 1750 (WB)	Beyond the NA (BN)

MAJOR/MINOR/ELECTIVES

Additional Requirements (8-10 courses)	ENVIRONMENTAL SCIENCE Core Requirements (11 courses) ♦			
		Concentration ¥ (4 courses)		
STOR 155 or BIOS 600	ENEC 201			
	One of ENEC 203, 415, MATH 528 or 564			
CHEM 101/101L or PHYS 114 or 118 or BIOL 101/L	ENEC 698 or 694H			
CHEM 102/102L or PHYS 115 or 119 or BIOL 201	(#)			
MATH 231				
MATH 232	♦ 2.0 OR HIGHER GPA REQUIRED IN MAJOR AND MINOR CORE COURSES.			
MATH 233	* PHYS 331 Prerequisite, one of PHYS 104, 114, 116, 118; pre- or co-requisite, MATH 383.			
COMP 110, 116 or PHYS 331	(#) Two courses each from two of the following quantitative skills (4 courses total):			
Recommended courses are: ENEC 202 (PX), ECON 101 (SS), and one of the following PH courses: ENEC 325, COMM/ENEC 375, or PHIL/ ENEC 368.	<ul style="list-style-type: none"> o Informatics: INLS 161, 201, 382, 523, 541; STOR 215, 305 o Applied Mathematics: MATH 347, 381, 383, 528, 535, 564; PHYS 331 o Statistics: BIOS 511; ENEC 562, 563; GEOL 520, 525; STOR 435, 455, 556 o Basic Science: BIOL 101, 201, 271; CHEM 261; PHYS 114 or 118; PHYS 115 or 119 o Modeling: ENEC 415, MATH 381 o GIS and Remote Sensing: ANTH 419; ENEC 479; GEOG 370, 456, 477, 491, 577, 591, 592; GEOL/MASC 483 ¥ Concentration area (four courses in one area) listed on reverse of worksheet Following courses are listed under multiple requirements in the major but can only be used to fulfill one requirement per course: ENEC 395, ENEC 396, ENEC 693H, ENEC 694H, ENVR 403/ENEC 403, PHYS 114, 115, 118, 119, and 331.			

Remaining courses after this term:	Hours to be deducted:	Hours Tally:	Notes:
___ Foundations	Repeated courses	Hours to date:	
___ Approaches	HSFL	Hours in progress	
___ Connections	Online courses > 24	Pending Study Abroad*	
___ Supplemental	Other	Subtotal	
___	Professional School > 30	Hours deducted	
___	Hours in subject (BA) > 45	Hours after this term	
___	Total	Hours remaining to grad	
Requirements subtotal		Semesters left	
Total			
		*Pending study abroad hours may differ from hours earned.	

This tally assumes successful completion of presently enrolled courses (not AB or IN), and it does not account for all possible overlaps

ENVIRONMENTAL SCIENCE CONCENTRATIONS

Energy Management

ENEC 307, 395 or 396, 407, 432, 481, 482, 693H or 694H; ENVR/ENEC 403; GEOL 315; PHYS 131, 581, 582; PLAN/ENEC 547

Environmental Processes

ENEC 202, 222, 256, 395 or 396, 462, 489, 693H or 694H; ENVR/ENEC 403; MASC 432, 433, 450, 460; GEOL 435, 436, 508, 520, 525; GEOG 410, 412, 414, 416, 441

Smart Cities

ENEC 325, 350, 351, 380, 395 or 396, 480, 485, 492, 693H or 694H; ENEC/PLAN 420, 547, 641; PLAN 636, 637, 638, 651, 652, 672; PUBA 787

May 17, 2021