

SCHOOL OF PUBLIC HEALTH – ENVIRONMENTAL HEALTH SCIENCES		
General Concentration (BSPH) – 120 hours		Effective 2014-2016
Name:	PID:	Optional 2nd Major or Minor

FOUNDATIONS

English Comp. and Rhetoric	Foreign Language* HSFL(s)	Quant. Reas. (QR)	Lifetime Fitness (LF)
	1.	3.	(1 hr.)
	2.	4.	

* Through Level 3

(**) Grade of C or better (not C-) required.

APPROACHES

Phys. and Life Sciences (PL)	Social and Behavioral Sciences	Humanities/Fine Arts
CHEM 101 (**) 101L (**)	Hist. Analysis (HS): ¥	Vis. & Perf. Arts (VP):
BIOL 101 (**) 101L (**)	Soc. Sci (SS): ¥ Soc. Sci./Hist. Analysis (SS/HS):	Literary Arts (LA): Phil. Reasoning (PH):

** Grade of C or better (not C-) required.

¥, ENST 201 (SS, GL), ENVR585 (HS, NA) suggested

CONNECTIONS ##

Communication Int. (CI)	Quant. Int. (QI) or 2 nd Quant. Reas. (QR)	Exp. Education (EE)	Global Issues (GL)
BIOL 101L	(**)		§
US Diversity (US)	North Atlantic World (NA)	World before 1750 (WB)	Beyond the NA (BN)

Must satisfy GL, US, EE, and two additional Connections. § GEOG434 (GL) or GEOG445 (GL) suggested

MAJOR

Public Health Core (**)	Environmental Health Science Core (**)	Additional Requirements (**)		
BIOS 600	ENVR 230	BIOL 101 BIOL 101L	♦	
EPID 600	ENVR 430	BIOL 201 ♦		
HBEH 600		BIOL 202 ♦	MATH 233 (if placed out of 231 and 232)	
HPM 600		CHEM101 CHEM 101L	♦	
Advanced ENVR or Related Courses (>400) (**, ***)	Honors (Optional)*	CHEM 102 CHEM 102L ♦	(118 preferred)	
	Honors Research (ENVR 691H)	CHEM 261 ♦	♦	
1.	Honors Thesis (ENVR 692H)	COMP 116 or BIOL 201H or BIOL/MATH 452 or GEOG 595 ♦	(119 preferred)	
2.	Undergrad Research (Optional)*			
3.	ENVR 295	♦		
4.	ENVR 695			

*Students with a grade point average of 3.3 or higher are eligible to participate in honors research and to write an honors thesis. ** Grade of C or better (not C-) required.

*** At least two of these four courses should be listed (or cross-listed) as ENVR courses that are at least two credit hours and numbered between 401 and 690, except for ENVR 593, 600, and 601. Other courses may be substituted with the approval of the director of undergraduate studies

♦By the end of their sophomore year successful applicants should have earned a grade of C or better from UNC-CH in at least one course in three of the following groups: BIOL 201, 202; CHEM 102/102L, 261; COMP 116 (or approved alternative: BIOL 201H, BIOL/MATH 452, or GEOG 595); MATH 231 or 241, 232 or 283, 233; PHYS 114, 115, 118, 119.

Planning Notes:

FALL	SPRING	SUMMER	FALL	SPRING

ADVANCED ENVIRONMENTAL HEALTH ELECTIVES

Course #	Course Title	Faculty	Semester
ENVR 403	Environmental Chemistry Processes (3)	Surratt	Spring
411	Laboratory Techniques and Field Measurements (3)	Nylander-French, Weinberg, Whalen	Fall
412	Ecological Microbiology (3)	Stewart	Spring
413	Limnology (3)	Whalen	Fall
416	Aerosol Physics and Chemistry (3)	Surratt	Fall
417	Oceanography	MASC Faculty	Fall
418	Chemical Oceanography (3)	MASC Faculty	
419	Chemical Equilibria in Natural Waters (3)	Staff	Fall
421	Environmental Health Microbiology (3)	Sobsey	Spring
423	Industrial Medicine and Toxicology (3)	Stopford, Randolph	Spring
431	EHS Techniques (2)	Ball	Fall
432	Occupational Safety and Ergonomics (3)	Wallace	Fall
433	Health Hazards of Industrial Operations (3)	Flynn	Spring
442	Biochemical and Molecular Toxicology (BIOC 442) (TOXC 442) (3)	Staff	Fall
451	Elements of Chemical Reactor Engineering (3)	Vizuete	Fall
453	Groundwater Hydrology (3)	Miller	Fall
468	Advanced Functions of Temporal GIS (3)	Serre	Fall
470	Environmental Risk Assessment (3)	MacDonald Gibson	Spring
471	Quantitative Risk Assessment in Environmental Health Microbiology (3)	Sobsey	Spring
514	Measurement of NO _x , O ₃ , and Volatile Organic Compounds (3)	Sexton	Spring
516	Aerosol Science Laboratory	Staff	Fall
520	Biological Oceanography (4)		
570	Methods of Environmental Decision Analysis (3)	MacDonald	Fall
585	American Environmental Policy (3)	Andrews	Fall
611	Scientific Computation I (3)	Huang	Fall
630	Systems Biology in Environmental Health (3)	Fry	Spring
640	Environmental Exposure Assessment (3)	Pleil	Fall
666	Numerical Methods (3)	Miller	Fall
671	Environmental Physics I (3)	Miller/Gray	Fall
672	Environmental Physics II (3)	Miller/Gray	Spring
686	Environmental Policy Instruments (PLCY686) (3)	Andrews	Spring
890	Water, Sanitation, Hygiene and Global Health (3)	Bartram/Sobsey	Spring
ENST 450	Biogeochemical Cycling (4)		
ENST 480	Environmental Decision Making (3)	Andrews	
GEOG 434	Cultural Ecology of Agriculture, Urbanization, and Disease (3)		Spring
GEOG 445	Medical Geography (3)		Fall

Students pursuing research projects will want to be aware of the services from the office of Undergraduate Research including possible fellowships and scholarships <http://www.unc.edu/depts/our/index.html>.