



ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES

UNIVERSITY of WASHINGTON

School of Public Health

B.S. in Environmental Health - Interest Area Electives. Students can take classes from more than one interest area. All 300 and 400 level ENV H courses count toward this requirement. 27 credits required

	Biomedical Sciences	Health and Environmental Sciences	Public Health Practice
Anthropology			
ANTH 210 Introduction to Environmental Anthropology (5) [A]			X
ANTH 322 Comparative Study of Death (5)	X		
ANTH 375 Comparative Systems of Healing (3)	X		
ANTH 475 Perspectives in Medical Anthropology			
ANTH 477 Medicine in America: Conflicts and Contradictions (3)	X		
ANTH 487 Cultures and Politics of Environmental Justice (5)			X
Atmospheric Sciences			
ATM S 212 Air Pollution: From Urban Smog to the Ozone Hole (5)			X
ATM S 301 Introduction to Atmospheric Sciences (5) [A]		X	
ATM S 321 The Science of Climate (3) [SP]		X	
ATM S 340 Intro to Thermodynamics and Cloud Processes (3) [W]		X	
ATM S 358 Fundamentals of Atmospheric Chemistry (3) [SP]		X	
Bioethics and Humanities			
B H 401 History of Modern Medicine (3)	X		
B H 402 Ethical Theory (5)	X		
B H 411 Introduction to Bioethics (5)	X		
B H 481 Pursuit of Health in American Society (3)	X		
B H 485 Concepts of the Body in Nineteenth- and Twentieth-Century America (3)	X		
Biocultural Anthropology			
BIO A 465			
Biochemistry			
BIOC 405 Introduction to Biochemistry (3) [A]	X		
BIOC 406 Introduction to Biochemistry (3) [W]	X		
BIOC 440 Biochemistry (4) [A]	X		
BIOC 441 Biochemistry (4) [W]	X		
BIOC 442 Biochemistry (4) [SP]	X		
Biology			
BIOL 355 Foundations in Molecular Cell Biology (3) [A,W,SP,S]	X		
BIOL 405 Cellular and Molecular Biology of Human Disease (3)	X		
Chemistry			
CHEM 321 Quantitative Analysis (5)[A,WS]		X	
CHEM 410 Radiochemistry Laboratory (2) [alternate years]		X	
CHEM 426 Instrumental Analysis (3) [W]		X	
CHEM 429 Chemical Separation Techniques (3) [SP]		X	
CHEM 455 Physical Chemistry (3) [A,SP]		X	
CHEM 456 Physical Chemistry (3) [W,S]		X	
CHEM 457 Physical Chemistry (3) [SP]		X	
Chemical Engineering			
CHEM E 220 Intro to Molecular and Nanoscale Principles (4)		X	
CHEM E 260 Thermodynamics (4) [A,W,SP,S]		X	



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CHEM E 341 Energy and Environment (3) [A]		x	
Civil & Environmental Engineering			
CEE 357 Environmental Engineering – Water & Air Quality (4) [SP] (CEE 357)		x	x
CEE 480 Air-Quality Modeling (3)			
CEE 482 Wastewater Treatment and Reuse (3)		x	
CEE 483 Drinking Water Treatment (3)		x	
CEE 484 Decentralized and On-Site Wastewater			x
CEE 485 Environmental Engineering Chemistry (3)		x	
CEE 486 Environmental Analysis Chemistry (3)		x	
CEE 490 Air-Pollution Control (4)		x	
CEE 493 Air-Pollution Source Testing and Equipment Evaluation (3)		x	
CEE 494 Air-Pollution Control Equipment Design (3)		x	
CEE 495 Sustainability and Design for Environment (3) [S]		x	
Classics			
CLAS 205 Bioscientific Vocabulary Building from Latin & Greek (3) [A,W,SP,S]	x		
Community, Environment, and Planning			
CEP 200 Intro to Community and Environmental Planning (5) [A,SP]			x
CEP 302 Environmental Response (5) [W]			x
Engineering			
ENGR 380 Design for Sustainability in the Developing World (2) [A,W]		x	
English			
ENGL 364 Literature and Medicine (5)	x		
Environmental Health - All 300 and 400 level ENV H courses count toward the 27 credit elective requirement			
Environmental Sciences & Resource Management			
ESRM 210 Introductory Soils (4) [A]			x
ESRM 250 Introduction to Geographic Information Systems in Forest Resources (5) [A,W,SP]		x	x
ESRM 311 Soils and Land Use (3) [W]		x	
ESRM 400 Natural Resource Conflict Management (3) [W]		x	
ESRM 470 Natural Resource Policy and Planning (5) [A]		x	
Earth and Space Sciences			
ESS 345 The Environment of Fuel and Mineral Deposits (3)		x	
Environmental Studies			
ENVIR / PHIL 243 Environmental Ethics (5)			x
ENVIR 341 Energy and Environment (3) [A]			x
ENVIR 415 Sustainability and Design for Environment (3) [S]		x	
ENVIR 418 Communications and the Environment (5)		x	
ENVIR 476 Introduction to Environmental Law and Process (3) [A]		x	
ENVIR 503 Role of Scientific Information in Environmental Decisions (3)		x	



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Aquatic and Fishery Sciences			
FISH 453 Geospatial Pattern Analysis and Geostatistics (3) [W]		x	
Geography			
GEOG 258 Maps and GIS (5)			x
GEOG 270 Geographies of International Development and Environmental Change (5) [A]			x
GEOG 280 Introduction to the Geography of Health and Health Care (5)	x		x
GEOG 360 Principles of GIS Mapping (5) [A,SP]		x	x
GEOG 380 Geographical Patterns of Health and Disease (4) [W]	x		x
GEOG 440 Regional Analysis (5) [SP]		x	
GEOG 465 GIS Database and Programming (5) [W]		x	
GEOG 480 Environmental Geography, Climate, and Health (5) [W]	x		x
GEOG 469 Geographic Information Systems Workshop (5) [SP]		x	
Genome Sciences			
GENOME 351 Human Genetics: The Individual and Society (4)	x		
GENOME 371 Introductory Genetics (5) [A,W,SP,S]	x		
GENOME 372 Genomics and Proteomics (5)	x		
GENOME 411 Gene Action (5) [W]	x		
History			
HIST 211 Introduction to the History of Science (5)	x		
Industrial Engineering			
IND E 315 Probability and Statistics for Engineers (3) [A,W,SP,S]		x	
Mathematics			
MATH 125 Calculus with Analytic Geometry II (5) [A,W,SP,S]		x	
MATH 126 Calculus with Analytic Geometry III (5) [A,W,SP,S]		x	
Microbiology			
MICROM 410 Fundamentals of General Microbiology I (3) [A]	x		
MICROM 412 Prokaryotic Diversity (3) [SP]	x		
MICROM 442 Medical Bacteriology (3) [W]	x		
Nutritional Science			
NUTR 300 Nutrition for Today (3) [A]	x		
NUTR 405 Phys Activity in Health and Disease (3) [SP]	x		
Philosophy			
PHIL 242 Introduction to Medical Ethics (5)	x		
PHIL / ENVIR 243 Environmental Ethics (5)			x
PHIL 481 Philosophy of Biology (5)	x		
Physics			
PHYS 116 General Physics (4) [A,W,SP,S]	x		
PHYS 119 General Physics Laboratory (1) [A,W,SP,S]	x		



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PHYS 123 Waves (5) [A,W,SP,S]	x		
Quantitative Science			
Q SCI 454 Ecological Modeling (5)		x	
Sociology			
SOC 487 Sociology of Gender and Sexuality (5)	x		
SOC 490 The Urban Underclass (5)	x		
Gender Women and Sexuality Studies			
GWSS 488 Women and Sciences (5)	x		