

Environmental Sciences B.S. Curriculum Beginning Fall 2007

I. General Education Requirements (57 credit hrs)		
<i>Course</i>	<i>Course Title</i>	<i>Credit</i>
EES 260	Environ. Sci. & Society: A Cross Cultural Perspective	4
BIO 111	Principles of Biology: Human Biology	4
BIO 112	Principles of Biology: Cell Biology and Genetics	4
BIO 115	Principles of Biology: Biodiversity and Evolution	4
EC 115	Economic Life	4
MTH 228	Calculus for Management Life & Social Sciences	5
GE	Other General Education Courses	32

II. Science Core (63 credit hrs)		
BIO 231	Introduction to Ecology	4
BIO 408	Writing in the Biological Sciences OR	3
ENG 333	Fundamentals of Technical Writing	(3)
CHM 121/125	Submicroscopic Chemistry	5
CHM 122/126	Macroscopic Chemistry	5
CHM 123/127	Reaction Dynamics	5
CHM 211	Organic Chemistry Lecture I	4
CHM 212	Organic Chemistry Lecture II	4
CHM 213	Organic Chemistry Lecture III	4
CHM 215	Organic Chemistry Lab I	2
CHM 216	Organic Chemistry Lab II	2
CHM 217	Organic Chemistry Lab III	2
M&I 220	Microbiology-Human Environment	5
M&I 220L	Microbiology-Human Environment Lab	(0)
PHY 101	Principles of Physics Lab I	1
PHY 102	Principles of Physics Lab II	1
PHY 111	Principles of Physics Lecture I	4
PHY 112	Principles of Physics Lecture II	4
STT 264	Elementary Statistics I	4
STT 265	Elementary Statistics II	4

III. Environmental Health Science Core (55 credit hrs)		
<i>Course</i>	<i>Course Title</i>	<i>Credit</i>
EES 360	Environmental Aspects of Water Quality	3
EES 362	General Environmental Health	4
EES 364	Solid and Hazardous Waste Management	3
EES 366	Environmental Health Sciences Internship	9
EES 368	Hazardous Waste Operations & Emergency Response	4
EES 428	Earth and Environmental Sciences Colloquium (2x0.5)**	1
EES 462	Environmental Toxicology	3
EES 464	Risk Assessment and Communication	4
EES 466	OSHA Compliance	1
EES 468	Environmental Law for Scientists	3
EES 470	Environmental Intern and Career Analysis	2
EES 472	Epidemiology and Community Health	3
EES 474	Fundamental Occupational Health and Safety	3
EES 475	Fundamental Occupational Health and Safety Lab	1
EES 476	Air Quality Management	3
EES 478	Environmental Issues Seminar	2
EES 484	Water and Sediment Quality Assessment	3
BIO 464	Microbiology of Food	3

IV. Science Electives (14 credit hrs)		
BIO 407	Wetlands Biology	5
BIO 473	Biology of Selected Marine Environments	5
BIO 475	Microbiology of Food Lab	2
BIO 476	Human Parasitology	2
BIO 477	Human Parasitology Lab	3
CHM 302	Environmental Chemistry	4
EES 370	Hazwoper Refresher	1
EES 430	Geologic and Environmental Applications of GIS	4
EES 482	Environmental Field Methods	2
GEO 447	Geographic Information Systems	3

Notes:

- MTH 228, BIO 111, BIO 112, BIO 115 are required substitutions for General Education courses in Areas I and IV respectively.
- EC 200 and EES 260 are required selections in Areas III and VI respectively.
- Physics 103 and 113 are recommended for students going to graduate school.
- BIO 312 can be substituted for M&I 220 but it has additional prerequisites: BIO 210/211 or BIO 278/279 or BIO 230.
- Sometimes courses may be listed as sections of EES 401, a catch-all number used for new courses prior to their being given separate course numbers. Because these numbers will change as separate course numbers are approved, you should check for course title in upcoming course schedules, since the EES 401 listing may no longer be applicable to a particular course.
- All BIO and EES courses must be a grade of C or better for graduation credit.
- The list of Science Electives is not all inclusive. With advisor approval, other courses may be taken.

Total Degree Quarter Credit Hours = 189