

BIOENVIRONMENTAL ENGINEERING CURRICULUM (FALL 2004)

FALL		SPRING	
FIRST YEAR			
CAAE 100 Engineering Fundamentals I	2	CAAE 102 Comp. Appl. in CAAE	2
CAAE 101 Fundamentals of Graphics	2	MATH 132 Calculus II	4
MATH 131 Calculus I	4	English Elective	3
Humanities Elective	3	PHYS 241 Gen. Physics I	3
Soc. Sci. Elective (Global Studies, History)	3	PHYS 251 Gen. Physics Lab	1
ENGL 100 Ideas & Expr. I	3	CHEM 106 Gen. Chemistry I	3
GEEN 110 Colloquim I	0	CHEM 116 Gen. Chemistry Lab	1
		GEEN 120 Colloquim II	0
	17		17
 SECOND YEAR			
CAAE 331 MECH I (Statics)	3	CAAE 332 SOLID MECH I (Strength of Mat)	3
MATH 231 Calculus III	4	CAAE 334 MECH II (Dynamics)	2
PHYS 242 Gen. Physics II	3	Soc.Sci.Elec.(African-Amer. Studies, Hist.)	3
PHYS 252 Gen. Physics Lab II	1	MATH 431 Differential Equations	3
CHEM 107 Gen. Chemistry II	3	Biology/Chemistry Elective	3
AGEN 216 GIS in Eng. & Nat. Res	3	PHED Elective	1
		CAAE 202	0
Total	17	Total	15
 THIRD YEAR			
CAAE 204 Surveying and Site Design	3	CAAE 364 Fundamentals of Hydrology	3
CAAE 362 Fluids/Hydraulics	3	INEN 260 Engr. Economics	2
ELEN 440 Electrical Circuits and Systems	3	AGEN 330 System Analysis and Design	4
MEEN 441 Thermodynamics	3	Statistics Elective	3
Biology/Chemistry Elective	3	Biology Elective	3
PHED Elective	1	CAAE 302	0

Total	16	Total	15
FOURTH YEAR			
AGEN 440 Eng. Properties of Biol. Materials	3	AGEN 624 Water Resources Engineering	3
AGEN 600 Soil and Water Engineering I	3	AGEN 523 Biol. & Ag. Energy Systems	3
AGEN 501 Eng. Design I	1	AGEN 502 Engineering Design II	2
AGEN Elective	3	AGEN or Science Elective	3
AGEN Elective	3	Humanities Elective	3
Science Elective	3		
CAAE 500/GEEN 500 Engineering Fund	1		
Total	17	Total	14
		Grand Total	128

Science Elective - SLSC 338*, SLSC 632, SLSC 640, EASC 309, EASC 622, ANSC 212, 411, 416 or other science courses approved by the faculty advisor

Biology/Chemistry Electives - BIOL 101*, 160*, 220*, 221*, 240*, 370*, LDAR 230, BIOL 400, 410, CHEM 221, and CHEM 251 plus 252, and CHEM 223 plus CAAE 363 or other biology and chemistry courses approved by the faculty advisor. Some elective courses (marked with *) will result in taking extra credit hours.

English Elective: ENGL 101 or ENGL 331

Statistics Elective: MATH 224, ECON 305, INEN 270

AGEN Elective: AGEN 403, AGEN 404, CIEN 310, CIEN 618, CIEN 664, CIEN 668, and other engineering courses approved by the faculty advisor.