Environmental Engineering

2012-2013 Curriculum

FRESHMAN YEAR			
____ ENGR (CES) 1020 Engineering Disciplines & Skills	2	____ ENGR 1300 Engineering Fundamentals[2]	2
____ CH 1010 General Chemistry	4	____ CH 1020 General Chemistry	4
____ MTHS 1060 Calculus I	4	____ MTHS 1080 Calculus II	4
____ ENGL 1030 Composition I	3	____ PHYS 1220 Physics I	3
____ Hum/SS Req.[1] _____	3	____ HIST 1240 Environmental History Survey[3]	3
	16		16
SOPHOMORE YEAR			
____ EES 2010 Environmental Engineering Fnd I	3	____ EES 2020 Environmental Engineering Fnd II	4
____ BIOL 1030 General Biology[4]	3	____ EG 2100 Engineering Graphics[6]	2
____ BIOL 1050 General Biology Lab	1	____ CH 2010 Organic Chemistry[5]	4
____ MTHS 2060 Calculus III	4	____ MTHS 2080 Calculus Diff Eq	4
____ PHYS 2210 Physics II	3	____ CE 2080 Dynamics	2
____ CE 2010 Statics	3		
	17		16
JUNIOR YEAR			
____ EES 4020 Water & Wastewater Treatment	3	____ EES 4840 Municipal Solid Waste Mgmt	3
____ EES 4030 Water & Wastewater Trmt Lab	1	____ EES 4850 Hazardous Waste Management	3
____ MICRO 3050 General Microbiology[7]	4	____ ME 3100 Thermodynamics & Heat Transfer	3
____ Engr Econ Req[8] _____	2	____ CE 3410 Intro to Fluid Mechanics	4
____ Statistics Requirement[9] _____	3	____ Earth Sciences Req[10] _____	4
____ Hum/SS Req.[1] _____	3		
	16		17
SENIOR YEAR			
____ EES 4300 Air Pollution Engineering	3	____ EES 4750 Env Engr Capstone Design	3
____ EES 4500 Env Engr Senior Seminar	1	____ Engr or Sci Reqt[11] _____	6
____ EES 4800 Environmental Risk Assessment	3	_____	
____ EES 4860 Pollution Prevention	3	____ Hum/SS Req.[1] _____	3
____ Engr or Sci Reqt[11] _____	5	____ Hum/SS Req.[1] _____	3
_____	15		15

128 Total Semester Hours

General Education Requirements:

LIT: _____

Non-Lit:_____

SS1: _____

SS2:_____

ENGR 5th: _____

STS: _____

CCA: _____

Other:

Calhoun Honors ☐

ROTC ☐

Airforce ☐

Army ☐

Transfer ☐

Co-op ☐

[1]See the Policy on Humanities and Social Sciences for Engineering Curricula. HIST 1240 must be taken as one of the courses; it satisfies 3 credit hours of the social science requirement and the Science and Technology in Society requirement. Students are encouraged to take PHIL 345 (Environmental Ethics) to fulfill the non-literature humanities requirement

[2]ENGR 1410 may be substituted

[3]HIST 1240 satisfies 3 credit hours of the social science requirement and the Science and Technology in Society requirement in the University's General Education requirements. If a student is not able to enroll in the second semester of the freshman year, this course may be taken at another time.

[4]May substitute BIOL 1100 for BIOL 1030 and BIOL 1050; BIOL 1100 is 5 hours

[5]CH 2230 & 2270 may be substituted

[6]EG 2080 or EG 2090 is an acceptable substitute.

[7]May substitute BIOL 2100/2110, which is 3 hours; must make up the 1 hour in any manner.

[8]The following courses are acceptable: CE 3520 or IE 3840.

[9]The following courses are acceptable: EXST 3010 for 3 credit hours; MTHS 3020 for 3 credit hours; or GEOL 2110 for 4 credit hours

[10]The following courses are acceptable: GEOL 1010 + GEOL 1030 or CSEN 2020.

[11]Choose any combination of engineering and/or sciences courses from a department-approved list.