

Environmental Engineering 2013-2014 Curriculum

FRESHMAN YEAR				
_____	ENGR 1020 Engineering Disciplines & Skills (Lab)	2	_____ ENGR 1410 Engineering Fundamentals ² (Lab)	3
_____	CH 1010 General Chemistry (Lab)	4	_____ CH 1020 General Chemistry (Lab)	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		17
SOPHOMORE YEAR				
_____	EES 2010 Environmental Engineering Fnd I	3	_____ EES 2020 Environmental Engineering Fnd II (Lab)	4
_____	BIOL 1030 General Biology ⁴	3	_____ EG 2100 Engineering Graphics ⁶ (Lab)	2
_____	BIOL 1050 General Biology Lab	1	_____ CH 2010 Organic Chemistry ⁵ (Lab)	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
_____	MICR 3050 General Microbiology ⁷ (Lab)	4	_____ ME 3100 Thermodynamics & Heat Transfer	3
_____	Engr Econ Req ⁸ _____	2	_____ CE 3410 Intro to Fluid Mechanics (Lab)	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 (Lab)	3
_____	EES 4500 Env Engr Senior Seminar	1	_____ Engr or Sci Req ¹¹ _____	5
_____	EES 4800 Environmental Risk Assessment	3		
_____	EES 4860 Pollution Prevention	3	_____ Hum/SS Req. ¹ _____	3
_____	Engr or Sci Req ¹¹ _____	5	_____ Hum/SS Req. ¹ _____	3
		15		14

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

¹See 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 3450 (Environmental Ethics) to fulfill the non-literature humanities requirement

²ENGR 1300 may be substituted

³HIST 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.

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

⁵CH 2230 & 2270 may be substituted

⁶EG 2080 or EG 2090 is an acceptable substitute.

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

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

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

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

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