

Environmental Engineering

2010-2011, 2011-2012 Curriculum

FRESHMAN YEAR			
___ CES 1020 Engineering Disciplines & Skills	2	___ CH 1020 General Chemistry	4
___ CH 1010 General Chemistry	4	___ ENGR 1300 Engineering Fundamentals	2
___ 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	___ Hum/SS Req. ¹ _____	3
	16		16
SOPHOMORE YEAR			
___ BIOL 1030 & 1050 General Biology & Lab OR 4\5		___ CH 2010 Survey Organic Chem. OR	4
___ BIOL 1100 Principles of Biology		___ CH 2230 & 2270 Organic Chemistry & Lab	
___ CE 2010 Statics	3	___ CE 2080 Dynamics	2
___ EES 2010 Environmental Engr Fund. I	3	___ EG 2100 Engineering Graphics ²	2
___ MTHS 206 Calculus III	4	___ EES 2020 Environmental Engr Fund II	4
___ PHYS 2210 Physics with Calculus II	3	___ MTHS 2080 Calculus IV	4
	17\18		16
JUNIOR YEAR			
___ CE 3410 Intro to Fluid Mechanics	4	___ EES 4020 Water & Wastewater Treatment	3
___ EES 4300 Air Pollution Engineering	3	___ EES 4840 Municipal Solid Waste Mgmt	3
___ MICR 3050 General Microbiology ³	4	___ ME 3100 Thermodynamics & Heat Transfer	3
___ Statistics Req. ⁴ _____	3\4	___ Earth Sci. Req. ⁵ _____	4
___ Hum/SS Req. ¹ _____	3	___ Engr Econ Req. ⁶ _____	2
	17\18	___ Hum/SS Req. ¹ _____	3
			18
SENIOR YEAR			
___ EES 4500 Env Engr Senior Seminar	1	___ BE (EES) 4510 Newman Seminar	1
___ EES 4800 Environmental Risk Assessment	3	___ EES 4750 Env Engr Capstone Design 3	3
___ EES 4860 Pollution Prevention	3	___ EES 4850 Hazardous Waste Management	3
___ Hum/SS Req. ¹ _____	5	___ Engr. or Sci.Req. ⁷ _____	6
___ Engr. or Sci.Req. ⁷ _____	3		
	15		13
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 124 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

²E G 209 may be substituted

³BIOSC 210 may be substituted. Students selecting this option must make up one hour in any manner they choose

⁴Select from EX ST 301, GEOL 211 or MTHS 302

⁵Select GEOL 101 and 103 or CSENV 202

⁶Select CE 352 or IE 384

⁷Choose any combination of engineering and/or sciences courses from a department-approved list.