

ENVIRONMENTAL ENGINEERING (B.S.)

2017-2018, 2018-2019 Curriculum

FRESHMAN YEAR			
ENGR 1020 Engineering Discipline and Skills	2	ENGR 1410 Programming and Problem Solving	3
CH 1010 General Chemistry (Lab)	4	CH 1020 General Chemistry (Lab)	4
MATH 1060 Calculus of One Variable I	4	MATH 1080 Calculus of One Variable II	4
ENGL 1030 Composition and Rhetoric	3	PHYS 1220 Physics with Calculus I	3
Hum/SS Req. ¹	3	HIST 1240 Environmental History Survey ²	3
	16		17
SOPHOMORE YEAR			
EES 2010 Environmental Engineering Fnd I	3	EES 2020 Environmental Engineering Fnd II (Lab)	4
BIOL 1030 General Biology ³	3	ENGR 2100 Engineering Graphics ⁴ (Lab)	2
BIOL 1050 General Biology Lab	1	CH 2010 Organic Chemistry ⁵	3
MATH 2060 Calculus of Several Variables	4	MATH 2080 Intro to Ordinary Differential Equations	4
PHYS 2210 Physics with Calculus II	3	CE 2080 Dynamics	2
CE 2010 Statics	3		
	17		15
JUNIOR YEAR			
EES 3030 Water Treatment Systems	2	EES 4850 Hazardous Waste Management	3
EES 3040 Wastewater Treatment Systems	2	EES 4860 Environmental Sustainability	3
EES 3050 Water and Wastewater Treatment Lab	1	ME 3100 Thermodynamics & Heat Transfer	3
MICR 3050 General Microbiology (Lab)	4	CE 3410 Intro to Fluid Mechanics (Lab)	4
MATH 3020 Statistics for Science and Engineering	3	GEOL 1010 Physical Geology ⁶	3
Hum/SS Req. ¹	3	GEOL 1030 Physical Geology Lab	1
	15		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 Reqt ⁸	3
EES 4800 Environmental Risk Assessment	3	Engr or Sci Reqt ⁸	3
EES 4840 Municipal Solid Waste Mgmt	3	Hum/SS Req. ¹	3
Engr Econ Req. ⁷	2	Hum/SS Req. ¹	3
Engr or Sci Reqt ⁸	3		
	15		15

127 Total Semester Hours

General Education Requirements:

LIT: _____
 Non-Lit: _____
 SS1: _____
 SS2: _____
 ENGR 5th: _____
 CCA: _____
 STS: _____

Other:

Calhoun Honors ☐
 ROTC ☐
 Air Force ☐
 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

²HIST 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.

³BIOL 1100 (5hrs) may be substituted for the combination of BIOL 1030 & 1050

⁴ENGR 2080 may be substituted

⁵CH 2230 may be substituted

⁶May Substitute PES 2020 & PES 2021.

⁷The following courses are acceptable: CE 3520 or IE 3840.

⁸Choose any combination of engineering and/or sciences courses from a department-approved list.

NOTES

The following courses must be completed with a grade of C or better: MATH 2060, MATH 2080, CE 2010, CE 2080, CE 3410, PHYS 2210