ENVIRONMENTAL ENGINEERING

2020 – 2021Curriculum (updated May 2020)

Student: _____
Date: _____
CUID: _____
Advisor: _____

FRESHMAN YEAR

_____ 4 CH 1010 General Chemistry
_____ 3 ENGL 1030 Composition and Rhetoric
_____ 2 ENGR 1020 Engineering Disciplines and Skills
_____ 4 MATH 1060 Calculus of One Variable I
_____ 3 Gen Ed_____
16

_____ 4 CH 1020 General Chemistry
_____ 3 ENGR 1410 Programming and Problem Solving
_____ 4 MATH 1080 Calculus of One Variable II
_____ 3 PHYS 1220 Physics with Calculus I
_____ 3 Gen Ed_____
17

SOPHOMORE YEAR

_____ 3 BIOL 1030 General Biology
_____ 1 BIOL 1050 General Biology Lab
_____ 3 CE 2010 Statics
_____ 3 EES 2010 Environmental Engineering Fundamentals I
_____ 4 MATH 2060 Calculus of Several Variables
_____ 3 PHYS 2210 Physics with Calculus II
17

_____ 2 CE 2080 Dynamics
_____ 3 CH 2010 Organic Chemistry
_____ 4 EES 2020 Environmental Engineering Fundamentals II
_____ 2 ENGR 2100 Computer-Aided Design and Engineering Applications
_____ 4 MATH 2080 Int. to Ordinary Differential Equations
15

JUNIOR YEAR

_____ 2 EES 3030 Water Treatment Systems
_____ 2 EES 3040 Wastewater Treatment Systems
_____ 1 EES 3050 Water and Wastewater Treatment Lab
_____ 3 MATH 3020 Statistics for Science and Engineering
_____ 4 MICR 3050 General Microbiology
_____ 3 Gen Ed _____
15

_____ 4 CE 3410 Intro to Fluid Mechanics
_____ 3 EES 4850 Hazardous Waste Management
_____ 3 EES 4860 Environmental Sustainability
_____ 3 GEOL 1010 Physical Geology
_____ 1 GEOL 1030 Physical Geology Lab
_____ 3 ME 3100 Thermodynamics and Heat Transfer
17

SENIOR YEAR

_____ 3 EES 4300 Air Pollution Engineering
_____ 1 EES 4500 Professor Seminar
_____ 3 EES 4800 Environmental Risk Assessment
_____ 3 EES (BE) 4840 Municipal Solid Waste Management
_____ 2 Engr Econ Requirement _____
_____ 3 Engr or Sci Requirement _____
15

_____ 3 EES 4750 Capstone Design Project
_____ 3 Engr or Sci Requirement _____
_____ 3 Engr or Sci Requirement _____
_____ 3 Gen Ed_____
_____ 3 Gen Ed_____
15

127 Total Semester Hours

General Education Requirements						
LIT	Non-Lit	SS1	SS2	ENGR 5th	CCA	STS

EES 2010 & EES 2020 are only taught once per year

Comments: _____

Change of Major Checklist	
Required	Completed
CH 1010	
ENGL 1030	
ENGR 1020	
ENGR 1410	
MATH 1060	
PHYS 1220	
GPA = 2.0; C or better required in each class	

Students should always refer to the Academic Catalog for course descriptions and for course pre-requisites, corequisites, and concurrent enrollment requirements. Academic Catalog can be found here: https://www.clemson.edu/registrar/academic-catalogs/