

BS in Environmental Engineering Curriculum

KENNESAW STATE UNIVERSITY			
Southern Polytechnic College of Engineering and Engineering Technology			
B.S. in Environmental Engineering (129 hours)			
Academic Catalog 2018-2019			
Applies to Students entering program in Fall 2018, Spring 2019, and Summer 2019			
Approved by CCE Curriculum Committee on 09/14/2017, CCE Faculty on 09/19/2017, and UPCC on 02/22/2018			
Name _____		Phone _____	
Address _____		Student ID _____	
University Core		EnvE MAJOR CORE	
Area A: Essential Skills	(9 hours)	REQUIRED COURSES	(60 hours)
Area A1 - ENGL 1101 (Recommended)	3	MATH 2306 Differential Equations	3
Area A1 - ENGL 1102 (Recommended)	3	ENVS 2202 Introduction to Environmental Science	3
Area A2 - MATH 1190 - Calculus I	4	EDG 2160 Civil Graphics and Computer Aided Drafting	3
		ENGR 3131 Strength of Materials	3
Area B: Institutional Option	(5 hours)	ENGR 3305 Data Collection and Analysis in Eng*	3
Area B1 - ECON 1000	2	ENGR 3324 Project Cost Analysis*	3
Area B2 - COM 1100 (Recommended)	3	ENGR 3343 Fluid Mechanics*	3
		ENGR 3345 Fluid Mechanics Laboratory	1
Area C: Humanities/Fine Art:	(6 hours)	CE 1000 Orientation to Eng and Surv Professions	1
Area C1 - English Literature	3	CE 2003 Engineering Problem Solving	3
Area C2 - Art and Culture	3	CE 3501 Materials for Civil & Const Engineering*	3
		CE 3502 Materials for Civil & Const Engineering Lab	1
Area D: Science, Math, Technology	(10 hours)	CE 3701 Geotechnical Engineering	3
Area D1 - PHYS 2211 & PHYS 2211L	4	CE 3708 Geotechnical Engineering Laboratory	1
Area D1 - BIOL 1107 & BIOL 1107L	4	CE 3702 Intro to Environmental Engineering*	3
Area D2 - MATH 2202 - Calculus II	4	CE 3703 Environmental Engineering Design*	3
		CE 3704 Intro to Environmental Engineering Lab	1
Area E: Social Sciences	(12 hours)	CE 4343 Solid Waste Engineering*	3
Area E1 - US Government	3	CE 4353 Air Pollution Control*	3
Area E2 - US History	3	CE 4371 Environmental Engineering Laboratory	1
Area E3 - World History	3	CE 4373 Environmental Engineering Microbiology*	3
Area E4 - STS 1101 (Recommended)	3	CE 4703 Engineering Hydrology*	3
		CE 4708 Hazardous Waste Engineering*	3
Area F: Core Related to Major	(18 hours)	CE 4800 Senior Project	3
Excess from Area A2	1	* Requires Engineering Standing	
Excess from Area D1	1	EnvE ELECTIVE COURSES (9 hr min.)	(9 hours)
Excess from Area D2	1	CE 4363 Environmental Engineering Chemistry*	3
ENGR 2214 - Statics	3	CE 4383 Sustainability for Engineers*	3
SURV 2221 - Surveying I	3	CE 4704 Engineering Hydraulic Analysis and Design*	3
SURV 2221L - Surveying I Lab	1	CE 3398 Internship in Civil Engineering	3
CHEM 1211 & CHEM 1211L	4	CE 4490 Special Topic	3
CHEM 1212 & CHEM 1212L	4	GEOG 3315 Intro to Geographic Information Systems	3
TOTAL UNIVERSITY CORE:	60 hours	TOTAL EnvE MAJOR CORE :	69 hours
EnvE students are required to earn a grade of "C" or better in all courses required in the major and all courses used as			

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Area A1		
ENGL	1101	Composition I
ENGL	1102	Composition II
Area A2		
MATH	1101	Introduction to Mathematical Modeling
MATH	1111	College Algebra
MATH	1112	College Trigonometry
MATH	1113	Pre-Calculus
MATH	1190	Calculus I (Recommended)
<i>Note A2: STEM major take MATH 1112, MATH 1113 or MATH 1190</i>		
Area B1		
ECON	1000	Contemporary Economic Issues
Area B2		
AADS	1102	Issues in African and African Diaspora Studies
AMST	1102	American Identities
ASIA	1102	Introduction to Asian Cultures
COM	1100	Human Communication (Recommended)
FL	1002	Introduction to Foreign Language II course
GWST	1102	Love and Sex
LALS	1102	Understanding Latin America
PAX	1102	Understanding Peace and Conflict
PHIL	2200	Ways of Knowing
RELS	1102	Understanding Religious Studies
Area C1		
ENGL	2110	World Literature
ENGL	2111	Early World Literature
ENGL	2112	World Literature mid 1600s to Present
ENGL	2120	British Literature
ENGL	2121	Early British Literature
ENGL	2122	British Literature late 1700s to Present
ENGL	2130	American Literature
ENGL	2131	Early American Literature
ENGL	2132	American Literature mid 1800s to Present
ENGL	2300	African-American Literature
Area C2		
ART	1107	Art in Society
DANC	1107	Dance in Society
MUSI	1107	Music in Society
TPS	1107	Theatre in Society
Area E1		
POLS	1101	American Government
Area E2		
HIST	2111	U.S. History to 1877
HIST	2112	U.S. History since 1877
Area E3		
HIST	1100	Introduction to World History
HIST	1111	Pre-Modern World History
HIST	1112	Modern World History
Area E4		
CRJU	1101	Foundations of Criminal Justice
GEOG	1101	Introduction to Human Geography
PSYC	1101	Introduction to General Psychology
SOCI	1101	Introduction to Sociology
STS	1101	Science, Technology, and Society (Recommended)
ANTH	1102	Introduction to Anthropology
ECON	2100	Principles of Microeconomics