PROGRAM ARTICULA	TION DEGREE PLAN				
Kankakee Community	College 2021-2022		Southern Illinois University Carbondale		
Associate in Engineering	ng Science (AES) - 68+ hrs		BS Civil Engineering (CE) - 127 hrs		
			University Core Curriculum (UCC) - 41 hrs		
		Hrs	, ,		Hrs
			UCOL 101	Foundations of Inquiry	NA
ENGL 1613	English I	3	ENGL 101	English Composition I	T
ENGL 1623	English II	3	ENGL 102	English Composition II	T
	•		CMST 101	Intro:Oral Communication	3
MATH 2515	Calculus & Analytical Geometry I	5	MATH 150 (Required for BS degree)	Calculus I	T
ECON 1563	Intro to Microeconomics	3	ECON 240 (Required for BS degree)	Microeconomics	T
	IAI SOCIAL SCIENCE	3	SOCIAL SCIENCE	(See SIUC Equivalency Guide)	T
	IAI HUMANITIES	3	HUMANITIES	(See SIUC Equivalency Guide)	T
			HUMANITIES	, , , , , , , , , , , , , , , , , , , ,	NA
CHEM 1614	General Chemistry I	4	CHEM 200/201/202 (Required for BS degree)	Intro to Chemical Principles/Lab/Workshop	Т
PHYS 2614	Physics I	4	PHYS 205/255A (Required for BS degree)	University Physics/Lab	Т
	IAI FINE ARTS	3	FINE ARTS	(See SIUC Equivalency Guide)	Т
BIOL 1503	Heredity and Society	3	BIOL 202 (Required for BS degree)	Human Genetics and Human Health	T
	,		MULTICULTURAL		3
		34			6
Program Requirement	ts		Program Requirements		
CHEM 1624	General Chemistry II	4	CHEM 210/211/212 (Required for BS degree)	General & Inorganic Chemistry/Lab/Workshop	T
COSC 2613	Computer Programming for Science and Engineering	3	ENGR 222	Computational Methods for Engineers & Technologists	Ť
MATH 2524	Calculus & Analytical Geometry II	4	MATH 250 (Required for BS degree)	Calculus II	Ť
MATH 2534	Calculus & Analytical Geometry III	4	MATH 251 (Required for BS degree)	Calculus III	Ť
MATH 2613	Differential Equations	3	MATH 305 (Required for BS degree)	Intro to Ordinary Differential Equations I	Ť
PHYS 2624	Physics II	4	PHYS 205/255B (Required for BS degree)	University Physics/Lab	Ť
PHYS 2634	Physics III	4	PHYS 205/255C	University Physics/Lab	•
ENGR 2503	Statics	3	ENGR 250 (Required for BS degree)	Statics	т
ENGR 2523	Dynamics	3	ENGR 261 (Required for BS degree)	Dynamics	i i
ENGR 2533	Mechanics of Materials	3	ENGR 350A (Required for BS degree)	Mechanics of Materials	T T
LIVOIX 2000	Wednames of Waterials	35	ENGRESSON (Required for Be degree)	Wedianies of Materials	- '
			CE 251	Probability & Statistics	1
			CE 263	Basic Surveying	3
			CE 301	Intro to Sustainability	2
			CE 310/310L	Environmental Engineering/Lab	4
			CE 320/320L	Soil Mechanics/Lab	4
		1	CE 330	Civil Engineering Materials	3
		1	CE 340	Structures	3
		1	CE 418	Water & Wastewater Treatment	3
			CE 421	Foundation Design	3
		1	CE 442	Structural Steel Design	3
			CE 444	Reinforced Concrete Design	3
			CE 474	Water Resources Engineering	3
			CE 474 CE 495A	Civil Engineering Design	3
		1	CE 495A CE 495B	Civil Engineering Design  Civil Engineering Design	3
		1	ENGR 351	Numerical Methods	3
			ENGR 370A	Fluid Mechanics	3
		1			
			CE Electives	Choose 12 hrs from CE 331 and CE 400-level courses	12
		1			59
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ı otal semester nrs col	mpleted with AES degree:	69	Total semester hrs completed with BS degree	i	65
			Total to BS degree:		134