PROGRAM ARTICULATION DEGREE PLAN					
John A. Logan College	***2021-2022***		***Southern Illinois University Carbondale***		
Associate in Engineering Science -Civil Engineering - 66 hrs			BS Civil Engineering (CE) - 127 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			**Hrs**
ORI 100	College 101	1	UNIV 101	Saluki Success	NA
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102	English Composition II	T
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 131	Calculus I	5	MATH 150 (Required for BS degree)	Calculus I	T
ECO 202	Intro to Microeconomics	3	ECON 240 (Required for BS degree)	Intro to Microeconomics	T
SOCIAL SCIENCE	*See SIUC Equivalency Guide*	3	SOCIAL SCIENCE	*See SIUC Equivalency Guide*	T
HUMANITIES	*See SIUC Equivalency Guide*	3	HUMANITIES	*See SIUC Equivalency Guide*	T
			HUMANITIES		NA
CHM 151	Chemical Principles	5	CHEM 200/201/202 (Required for BS degree)	Intro to Chemical Principles/Lab/Workshop	T
PHY 205	University Physics I	5	PHYS 205A/255A (Required for BS degree)	University Physics/Lab	T
			FINE ARTS	*See SIUC Equivalency Guide*	3
BIO 225	Genetics	3	BIOL 202 (Required for BS degree)	Human Genetics and Human Health	T
			MULTICULTURAL		3
		37			**6**
Program Requirements			**Program Requirements**		
CPS 206	Computer Science I	4	CS 202	Intro to Computer Science	T
MAT 201	Calculus II	5	MATH 250 (Required for BS degree)	Calculus II	T
MAT 202	Calculus III	3	MATH 251 (Required for BS degree)	Calculus III	T
MAT 205	Differential Equations	3	MATH 305 (Required for BS degree)	Introduction to Ordinary Differential Equations I	T
PHY 206	University Physics II	5	PHYS 205B/255B (Required for BS degree)	University Physics/Lab	T
PHY 201	Statics	3	ENGR 250 (Required for BS degree)	Statics	T
PHY 202	Dynamics	3	ENGR 261 (Required for BS degree)	Dynamics	T
PHY 203	Mechanics of Solids	3	ENGR 350A (Required for BS degree)	Mechanics of Materials	T
		29	CE 251	Probability & Statistics	1
			CE 263	Basic Surveying	3
			CHEM 210	General and Inorganic Chemistry	3
			ENGR 351	Numerical Methods	3
			ENGR 370A	Fluid Mechanics	3
			CE 301	Intro to Sustainability	2
			CE 310/310L	Environmental Engineering/Lab	4
			CE 320/320L	Soil Mechanics/Lab	4
			CE 330	Civil Engineering Materials	3
			CE 340	Structures	3
			CE 418	Water & Wastewater Treatment	3
			CE 421	Foundation Design	3
			CE 442	Structural Steel Design	3
			CE 444	Reinforced Concrete Design	3
			CE 474	Water Resources Engineering	3
			CE 495A	Civil Engineering Design	3
			CE 495B	Civil Engineering Design	3
			CE Electives	Choose 12 hrs from CE 331 and CE 400-level courses	12
					62
Total semester hrs completed w/ AES degree:		**66**	**Total semester hrs completed w/ BS degree:**		**68**
Degree Plan updated on 1/5/2022 by SW			**Total hrs to BS Degree:**		**134**