PROGRAM ARTICULATION DEGREE PLAN					
John A. Logan College	***2024-2025***		***Southern Illinois University Carbondale***		
Associate in Engineering Science -Civil Engineering - 68 hrs			BS Civil Engineering (CE) - 127 hrs		
			University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs			**Hrs**
			UNIV 101	Saluki Success	NA
	`		CMST 101	Intro to Oral Communication	3
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102	English Composition II	T
MAT 131	Calculus I	5	MATH 150	Calculus I	T
ECO 202	Intro to Microeconomics	3	ECON 240	Intro to Microeconomics	T
	IAI Social Science	3	SOCIAL SCIENCE	*See SIUC Transfer Equivalency Guide*	T
	IAI Humanities	3	HUMANITIES	*See SIUC Transfer Equivalency Guide*	T
			HUMANITIES		NA
CHM 151	Chemical Principles	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab	T
	IAI Life Science	3	LIFE SCIENCE	*See SIUC Transfer Equivalency Guide*	T
	IAI Fine Arts	3	FINE ARTS	*See SIUC Transfer Equivalency Guide*	T
			BIOL 202	Human Genetics & Human Health	2
			MULTICULTURAL		3
		31			**8**
Program Requirements			**Program Requirements**		
ORI 100 -or- SCI 100	College 101 -or- STEM Fundamentals	1	**Any unarticulated courses will be used to satisfy general elective credit**		
CHM 152	Chemical Principles w/Qualitative Analysis	5	CHEM 210 -and- 211	General & Inorganic Chemistry w/Lab	T
MAT 201	Calculus II	5	MATH 250	Calculus II	T
MAT 202	Calculus III	3	MATH 251	Calculus III	T
MAT 205	Differential Equations	3	MATH 305	Intro to Differential Equations	T
PHY 201	Statics	3	ENGR 250	Statics	T
PHY 202	Dynamics	3	ENGR 261	Dynamics	T
PHY 203	Mechanics of Materials	4	ENGR 350A	Mechanics of Materials	T
PHY 205	University Physics I	5	PHYS 205A -and- 255A	University Physics w/Lab	T
PHY 206	University Physics II	5	PHYS 205B -and- 255B	University Physics w/Lab	T
		37			
			ENGR 351	Numerical Methods in Engineering	3
			ENGR 370A	Fluid Mechanics	3
			CE 251	Intro to Probability & Statistics for Engineering	1
			CE 263	Basic Surveying	3
			CE 301	Intro to Resource Sustainability in Civil & Environmental Engineering	2
			CE 310 -and- 310L	Environmental Engineering w/Lab	4
			CE 320 -and- 320L	Soil Mechanics w/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 Technical Electives	Choose 12 hrs from CE 331 & CE 400-level courses	12
					59
Total semester hrs completed w/AES degree:		**68**	**Total semester hrs completed w/BS degree:**		**67**
			Total hrs to BS Degree:		**135**
Degree Plan updated on 7/9/24 by SG					