

PROGRAM ARTICULATION DEGREE PLAN					
Shawnee Community College 2021-2022		Southern Illinois University Carbondale			
Associate of Science - 67 hours		BS Civil Engineering (CE) - 127 hrs			
		University Core Curriculum (UCC)*			
		Hrs		Hrs	
			UNIV 101	Saluki Success	NA
ENG 111	English Composition I	3	ENGL 101	English Composition I	T
ENG 112	English Composition II	3	ENGL 102	English Composition II	T
SPC 111	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 209	Calculus I	5	MATH 150 (Required for BS degree)	Calculus I	T
ECO 212	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
CHE 114	Inorganic Chemistry I w/lab	5	CHEM 200/201 (Required for BS degree)	Intro to Chemical Principles/Lab	T
			LIFE SCIENCE, GRP II	(Students take 2 Physics courses)	NA
FINE ARTS	(See SIUC Equivalency Guide)	3	FINE ARTS	(See SIUC Equivalency Guide)	T
BIOL 115	Human Biology	4	BIOL 202 (Required for BS degree)	Human Genetics and Human Health	T
			MULTICULTURAL		NA
		35			0
			*Any AS degree from an accredited Illinois institution satisfies UCC requirements		
Program Requirements		Program Requirements			
MAT 211	Calculus II	5	MATH 250	Calculus II	T
MAT 212	Calculus III	5	MATH 251	Calculus III	T
MAT 213	Ordinary Differential Equations I	3	MATH 305	Intro to Differential Equations	T
PHY 216	University Physics I	4	PHYS 205/255A	University Physics/Lab	T
PHY 217	University Physics II	4	PHYS 205/255B	University Physics/Lab	T
EGR 212	Engineering Statics	3	ENGR 250	Statics	T
EGR 214	Engineering Dynamics	3	ENGR 261	Dynamics	T
CHE 115	Inorganic, Organic & Biochemistry w/lab	5	CHEM 210/211	General and Inorganic Chemistry/Lab	T
		32			
			CE 251	Probability & Statistics	1
			CE 263	Basic Surveying	3
			ENGR 350A	Mechanics of Materials	3
			ENGR 351	Numerical Methods	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
			ENGR 370A	Fluid Mechanics	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/ AS degree		67	Total semester hrs completed with BS degree:		62
			Total semester hrs to BS degree:		129
Degree Plan updated by SW 9/29/21					