PROGRAM ARTICULATION DEGREE PL/ Southwestern Illinois College Associate in Engineering Science Civil Eng COMM 151 ENG 101 ENG 102 MATH 203 ECON 202 CHEM 105 CHEM 105 HES 151 Program Requirements CHEM 106 (elective) ENGR 103 ENGR 263 ENGR 263 ENGR 264 ENGR 275 MATH 204 MATH 205 MATH 205 PHYS 205	2024-2025	5 3 3 5 2 2 30 5 4 3	Southern Illinois University Carbondale BS Civil Engineering (CE) - 127 hrs University Core Curriculum (UCC) Capston UNIV 101 CMST 101 ENGL 101 ENGL 102 MATH 150 ECON 240 SOCIAL SCIENCE HUMANITIES HUMANITIES HUMANITIES HUMANITIES HUMANITIES HUMANITIES HUMANITIES PH 100 MULTICULTURAL Program Requirements CHEM 210 -and- 211 EET 1XX (elective)	e Option - 30 hrs Saluki Success Intro:Oral Communication English Composition I English Composition II Calculus I Intro to Microeconomics See SIUC Transfer Equivalency Guide See SIUC Transfer Equivalency Guide Intro to Chemical Principles w/Lab Foundations of Human Health General & Inorganic Chemistry w/Lab	Hrs NA T T T T T T NA T 3 3 T 3 9
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MATH 204 MATH 205 MATH 290 PHYS 204	Mechanics of Solids	3	ENGR 261	Dynamics	Т
MATH 205 MATH 290 PHYS 204		3	ENGR 350C (elective)	Mechanics of Materials (lecture only)	Т
MATH 290 PHYS 204	Calculus II	5	MATH 250	Calculus II	Т
PHYS 204	Calculus III	4	MATH 251	Calculus III	Т
	Differential Equations	3	MATH 305	Intro to Differential Equations	Т
PHYS 205	Physics Mechanics	4	PHYS 205A -and- 255A	University Physics w/Lab	Т
	Physics Heat Electricity Magnetism	4	PHYS 205B -and- 255B	University Physics w/Lab	Т
		38			
			BIOL 202	Human Genetics & Human Health	2
			ENGR 350A	Mechanics of Materials (lecture & lab)	3
			ENGR 351	Numerical Methods in Engineering	3
			ENGR 370A		3
				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
					64
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Degree Plan updated on 6/24/24 by SG					