

PROGRAM ARTICULATION DEGREE PLAN				
McHenry County College		2024-2025		Southern Illinois University Carbondale
Associate in Engineering Science (AES) - 62 hrs				BS Civil Engineering (CE) - 127 hrs
		Hrs		University Core Curriculum (UCC) Capstone Option - 30 hrs
				Hrs
			UNIV 101	Saluki Success
			CMST 101	Intro to Oral Communication
ENG 151	Composition I	3	ENGL 101	English Composition I
ENG 152	Composition II	3	ENGL 102	English Composition II
MAT 175	Calculus & Analytical Geometry I	5	MATH 150	Calculus I
ECO 251	Microeconomics	3	ECON 240	Intro to Microeconomics
	IAI Social/Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide
	IAI Humanities/Fine Arts	3	HUMANITIES	See SIUC Transfer Equivalency Guide
			HUMANITIES	NA
CHM 165	General Chemistry I	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab
			LIFE SCIENCE	3
	IAI Fine Arts	3	FINE ARTS	See SIUC Transfer Equivalency Guide
			BIOL 202	Human Genetics & Human Health
	Non-Western Cultures w/in the US	3	MULTICULTURAL	See SIUC Transfer Equivalency Guide
		31		8
Program Requirements		Program Requirements		
MCC 101	The College Experience	1	Any unarticulated courses will be used to satisfy general elective credit	
CSC 121	Computer Science I	4	CS 202 -or- ECE 222 (elective)	Intro to Computer Science -or- Intro to Digital Computation
EGR 251 (elective)	Statics	3	ENGR 250	Statics
EGR 252 (elective)	Dynamics	3	ENGR 261	Dynamics
MAT 245	Calculus & Analytical Geometry II	5	MATH 250	Calculus II
MAT 255	Calculus & Analytical Geometry III	4	MATH 251	Calculus III
MAT 260	Differential Equations	3	MATH 305	Intro to Differential Equations
PHY 291	Principles of Physics I	4	PHYS 205A -and- 255A	University Physics w/Lab
PHY 292	Principles of Physics II	4	PHYS 205B -and- 255B	University Physics w/Lab
		31		
			CHEM 210 -and- 211	General & Inorganic Chemistry w/Lab
			ENGR 350A	Mechanics of Materials (lecture & lab)
			ENGR 351	Numerical Methods in Engineering
			ENGR 370A	Fluid Mechanics
			CE 251	Intro to Probability & Statistics for Engineering
			CE 263	Basic Surveying
			CE 301	Intro to Resource Sustainability in Civil & Environmental Engineering
			CE 310 -and- 310L	Environmental Engineering w/Lab
			CE 320 -and- 320L	Soil Mechanics w/Lab
			CE 330	Civil Engineering Materials
			CE 340	Structures
			CE 418	Water & Wastewater Treatment
			CE 421	Foundation Design
			CE 442	Structural Steel Design
			CE 444	Reinforced Concrete Design
			CE 474	Water Resources Engineering
			CE 495A	Civil Engineering Design
			CE 495B	Civil Engineering Design
			CE Technical Electives	Choose 12 hrs from CE 331 & CE 400-level courses
				66
Total semester hrs completed with AES degree:		62	Total semester hrs completed with BS degree:	
			74	
			Total semester hrs to BS degree:	
			136	
<i>Degree Plan updated on 7/2/24 by SG</i>				