

PROGRAM ARTICULATION DEGREE PLAN			
Oakton College		Southern Illinois University Carbondale	
2024-2025		BS Civil Engineering (CE) - 127 hrs	
Associate of Science in Engineering (ASE) - 64 hrs		University Core Curriculum (UCC)	
		CAPSTONE OPTION - 30 hrs	
		Hrs	Hrs
		UNIV 101	Saluki Success
		CMST 101	Intro to Oral Communication
EGL 101	Composition I	ENGL 101	English Composition I
EGL 102	Composition II	ENGL 102	English Composition II
MAT 250	Calculus I	MATH 150	Calculus I
ECO 202	Principles of Microeconomics	ECON 240	Intro to Microeconomics
	IAI SOCIAL/BEHAVIORAL SCIENCE*	SOCIAL SCIENCE	See SIUC Equivalency Transfer Guide
	IAI FINE ARTS/HUMANITIES**	HUMANITIES	See SIUC Equivalency Transfer Guide
		HUMANITIES	
CHM 121	General College Chemistry I	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab
		LIFE SCIENCE	
		FINE ARTS	
		BIOL 202	Human Genetics & Human Health
		MULTICULTURAL	
		24	14
*Select from: SOC 230, 232; SSC 105; HIS 114			
**Select from: EGL 135, 136; PHL 130, 205, 215			
Program Requirements		Program Requirements	
CHM 122	General College Chemistry II	CHEM 210 -and- 211	General & Inorganic Chemistry w/Lab
CSC 170	Intro to Numerical Methods	ITEC 1XX -or- IMAE 1XX (elective)	ITEC Tech Elective 100-level -or- IMAE Tech Elective 100-level
CSC 171, 172, 173 -or- 174	C++, FORTRAN, Java Prog -or- Python Prog for Engineers	ITEC 1XX -or- IMAE 1XX (elective)	ITEC Tech Elective 100-level -or- IMAE Tech Elective 100-level
ENG 120	Engineering Graphics	ME 102 -or- IMAE 1XX (elective)	Computer-Aided Engineering Drawing -or- IMAE Tech Elective 100-level
ENG 211	Analytical Mechanics (Statics)	ENGR 250	Statics
ENG 212	Analytical Mechanics (Dynamics)	ENGR 261	Dynamics
ENG 217	Strength of Materials	ENGR 350C (elective)	Mechanics of Materials (lecture only)
MAT 251	Calculus II	MATH 250	Calculus II
MAT 252	Calculus III	MATH 251	Calculus III
MAT 262	Ordinary Differential Equations	MATH 305	Intro to Differential Equations
PHY 221	General Physics I	PHYS 205A -and- 255A	University Physics w/Lab
PHY 222	General Physics II	PHYS 205B -and- 255B	University Physics w/Lab
		40	
		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
			59
Total semester hrs completed with ASE degree:		64	Total semester hrs completed with BS degree:
			73
		Total hrs to BS degree:	137
Degree Plan updated on 7/16/24 by SG			