Associate of Science
Pathway to
B.S. Civil Engineering

	Shawnee Community College					
Year 1	ENG-0111	English Comp I	3	ENG-0112	English Comp II	3
	PSY-0211	Into to Psychology	3	MAT-0209	Calculus I	5
	MAT-0115	Pre-Calculus	5	BIO-0115	Human Biology	5
	CHE-0111	Inorganic, Organic, & Biochemistry I	4	SPC-0111	Speech	3
	Elective	Humanities	3	ECO-0212	Intro to Microeconomics	3
			18			19

	Shawnee Community College					
Year 2	CHE-0114	Inorganic Chemistry I	5	MAT-0212	Calculus III	5
	MAT-0211	Calculus II	5	CHE-0115	Inorganic Chemistry II	5
	PHY-0216	University Physics	4	PHY-0217	University Physics II	4
	Elective	Fine Arts	3	EGR-0214	Engineering Dynamics	3
	EGR-0212	Engineering Statics	3	MAT-0213	Ordinary Differential Equations	3
			20			20

	Southern Illinois University-Carbondale					
Year 3 & 4	CE-251	Probability & Statistics	1	ENGR-370A	Fluid Mechanics	3
	CE-263	Basic Surveying	3	CE-418	Water & Wastewater Treatment	3
	ENGR-350A	Mechanics of Materials	3	CE-421	Foundation Design	3
	ENGR-351	Numerical Methods	3	CE-442	Structural Steel Design	3
	CE-301	Intro to Sustainability	2	CE-444	Reinforced Concrete Design	3
	CE-310/310L	Environmental Engineering /Lab	4	CE-474	Water Resource Engineering	3
	CE-320/320L	Soil Mechanics/Lab	4	CE-495A	Civil Engineering Design	3
	CE-330	Civil Engineering Materials	3	CE-495B	Civil Engineering Design	3
	CE-340	Structures	3	CE Electives	See department for list	12
	Total Hours to Bachelor Degree: 129 Hours					

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Office of the Registrar - Shawnee Community College
8364 Shawnee College Rd – Ullin, IL 62992 – 618.634.3200