



**Associate of Science
Pathway to
B.S. Mechanical Engineering**

<i>Shawnee Community College</i>						
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	ECO-0212	Intro to Microeconomics	3
	CHE-0111	Inorg, Org and Biochem	4	Elective	Humanities	3
				SPC-0111	Speech	3
			15			17

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Year 2	CHE-0114	Inorganic Chemistry	5	MAT-0212	Calculus III	5
	MAT-0211	Calculus II	5	MAT-0213	Ordinary Differential Equations I	3
	PHY-0116	University Physics I	4	CHE-0115	Inorganic Chemistry II	5
	Elective	Fine Arts	3	PHY-0217	University Physics II	4
			17			17

<i>Southern Illinois University-Carbondale</i>						
Year 3 & 4	BIOL-202	Human Genetics & Human Health	2	ME-309	Mechanical Analysis & Design	3
	1 Course	ENGR-222, ENGR-0296, ME-0222	2	ME-312	Materials Science Fundamentals	3
	ENGR-250	Statics	3	ME-336	System Dynamics & Cont	3
	ENGR-261	Dynamics	3	ME-401	Thermal Measurements Lab	1
	ENGR-335	Electric Circuits I	3	ME-407	Measurements & Instrum.	2
	ENGR-350A	Mechanics of Materials	3	ME-411	Manufacturing Methods Engr Materials	3
	ENGR-351	Numerical Methods in Eng	3	ME-475	Machine Design I	3
	ENGR-370A	Fluid Mechanics	3	ME-495A	Mechanical Eng Design	3
	ME-102	Computer-Aided Eng	2	ME-495B	Mechanical Eng Design	3
	ME-300	Engineering Thermodynamics	3	ME Electives	12 ME at 400 Level & 3 of IMAE	15
	ME-302	Engineering Heat	3			
Total Hours to Bachelor Degree: 132 Hours						

Updated: 9/4/2024