PROGRAM ARTICULATIO	N DEGREE PLAN					—
Southwestern Illinois Col			Southern Illinois University Carbondale			-
Associate in Engineering Science Mechanical Engineering Specialty - 79 hrs			BS Mechanical Engineering (ME) - 126 hrs			
	Siense meenamear Engliseening openanty i e me		University Core Curriculum (UCC) Capstone C	ontion - 30 brs		1
		Hrs			Hrs	+
		1113	UNIV 101	Saluki Success	NA	
COMM 151	Fundamentals of Public Speaking	3	CMST 101	Intro:Oral Communication		
ENG 101	Rhetoric & Composition I		ENGL 101	English Composition I	Ť	+
ENG 102	Rhetoric & Composition II		ENGL 102	English Composition II	T T	+-
MATH 203	Calculus I		MATH 150	Calculus I	Ť	+
ECON 202	Prin of Economics II Micro		ECON 240	Intro to Microeconomics	T T	+
	Social & Behavioral Sciences	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	Ť	
	Humanities		HUMANITIES	See SIUC Transfer Equivalency Guide	Ť	-
	Trananiaes		HUMANITIES		NA	
CHEM 105	General Chemistry I	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab	Τ	-
	Ceneral Orientially 1				3	
	Fine Arts	3	FINE ARTS	See SIUC Transfer Equivalency Guide	ΙT	
HES 151	Personal Health & Wellness		PH 101	Foundations of Human Health	T T	+
	T ersonal rieatti a weintess	2	MULTICULTURAL		3	
		33			6	-
					- v	+
Program Requirements			Program Requirements			-
Electives	Select from list of approved courses	5		lege fulfills the general electives required for the BS in Mechanical Engineeri	na	+
CHEM 106 (elective)	General Chemistry II		CHEM 210 -and- 211	Intro to Chemical Principles w/Lab	T	
ENGR 103	Engineering Graphics		EET 1XX (elective)	EET Tech Elective 100-level	+ †	-
ENGR 263	Analytical Mechanics-Statics		ENGR 250	Statics	T T	-
ENGR 264	Analytical Mechanics-Otatics		ENGR 250	Dynamics	T T	
ENGR 271	Electrical Circuits		ENGR 335	Electric Circuits I	+ †	-
ENGR 275	Mechanics of Solids		ENGR 350C (elective)	Mechanics of Materials (lecture only)	T T	
MATH 204	Calculus II		MATH 250	Calculus II	T T	+
MATH 205	Calculus III		MATH 250 MATH 251	Calculus III	T T	+
MATH 200 MATH 290	Differential Equations		MATH 201 MATH 305	Intro to Differential Equations	Ť	+
PHYS 204	Physics Mechanics		PHYS 205A -and- 255A	University Physics w/Lab	T T	+
PHYS 205	Physics Heat Electricity Magnetism	4	PHYS 205B -and- 255B	University Physics w/Lab	+ †	+-
		46	11110 2000 -and- 2000		· ·	+
			BIOL 202	Human Genetics & Human Health	2	
			Select 1 Course:	ENGR 222 -or- 296 -or- ME 222	2	
			ENGR 350A	Mechanics of Materials	3	-
			ENGR 350A	Numerical Methods in Engineering	3	
			ENGR 370A	Fluid Mechanics	3	-
			_ENGR 370A ME 102		2	-
				Computer-Aided Engineering Drawing		-
			ME 300	Engineering Thermodynamics I	3	-
			ME 302	Engineering Heat Transfer	3	-
			ME 309	Mechanical Analysis & Design	3	-
			ME 312	Materials Science Fundamentals	3	-
			ME 336	System Dynamics & Control	3	_
			ME 401	Thermal Measurements Lab	1	<u> </u>
			ME 407	Measurements & Instrumentation	2	
			ME 411	Manufacturing Methods for Engineering Materials	3	
			ME 475	Machine Design I	3	
			ME 495A	Mechanical Engineering Design	3	
			ME 495B	Mechanical Engineering Design	3	
			- Machanical Facinessian Flashing	At least 12 credit hours must be from 400-level ME courses and 3 credit hours	45	
			Mechanical Engineering Electives	may be from IMAE 470A or a 400-level course used for a Math minor.	15	
					60	1
						+
Total semester hrs compl	leted w/AFS degree	70	Total semester hrs completed w/BS degree:		66	+
. etai semester ma compi		19	. etc. semester me completed w/bo degree.			+
			Total hrs to BS Degree:		145	+
			Total firs to bo begies.			+