ARTICULATION TRANSFER MATRIX BETWEEN SANTA FE COMMUNITY COLLEGE AND NORTHERN NEW MEXICO COLLEGE					
SFCC A	S General Engineering and Engineering Techno	ology		C BEng ElectroMechanical Engineering Techn	
General Education Requirements - 28 credits			SFCC students who earn and AS degree in General Engineering as prescribed in this		
	Area I. Communications - 6 credits			receive a minimum of 60 credits toward the BEng degree i	
ENGL 111	Composition and Rhetoric	3		cal Engineering Technology. Any deviation from this press	cribed
			agreement will	require appropriate approval from SFCC and/or NNMC.	
ENGL 216	Technical Writing	3		Area II. Mathematics - 3 credits	
			ENGR 1121L	Introductory Math for Engineering Applications I	3
				Support Courses- 3 credit	
			ENGR 1122L	Introductory Math for Engineering Applications II	3
	Area III. Laboratory Science - 4 credits			Program Requirements (54 Credits)	
CHEM 121/L	General Chemistry I and General Chemistry I Lab	4	H		-
		٦	MET 302	Strength and Properties of Materials	3
	Area IV. Social/Behavioral Sciences - 3 credits	I	MET 301	Applied Mechanics II	3
A	Social/Behavioral Sciences - 3 credits	3	MET 310 EET 300/L	Manufacturing Processes and Automation Electrical Systems II with Lab	3
	Area V. Humanities - 3 credits	3	EET 300/L EET 400/L	Control Systems and Instrumentation with Lab	3
	Area v. numanues - 5 creuits	3	EMET 400/L	Advanced Electro-Mechanical Design	3
	Area VI. Fine Arts - 3 credits	5	MET 303	Thermodynamics	3
	men vi incinto - 5 cicuto	3	MET 303	Fluid Mechanics	3
	Additional NINE Credits- 9 credit	5	EMET 402	Robotics	3
		9	MET 421	Heat Transfer	3
	Support Courses- 16 credit		ENGR 480	Engineering Management and Project Management	3
MATH 162	Calculus I	4	EMET 490	Capstone (WIC)	3
MATH 163	Calculus II	4			
PHYS 161/L	Calculus Physics I and Calculus Physics I Lab	4			
PHYS 162/L	Calculus Physics II and Calculus Physics II Lab	4			
	Core Requirements - 23 credits				
ENGR 111	Intro to Engineering	3			
ENGR 160	Engineering Graphics and Design	3			
	Engineering Oraphies and Design	5			
ENGR 212	Engineering Statics	3			
ENGR 215	Engineering Programming using MATLAB	3			
ENGR 222/222L	Engineering Circuit Analysis/&with Lab (5)	3			
MATH 267	Applied Differential Equations	3			
	al courses offered at SFCC required for some fields of				
	k closely with an adviser to select courses appropriate to				-
CHEM 122/122L	General Chemistry I/with lab	4	++		
ELEC 122	Digital Circuits	4	+		+
ENGR 221	Dynamics Machanical Engineering Decisy (with Lab (4)	0		+	+
ENGR 260/260L	Mechanical Engineering Design/with Lab(4)	2	┩┝────	Tuonalan lu SECO AS D	. 70
MATH 264	Calculus III	0	+	Transfer from SFCC AS Degree	e 78
				Other SFCC transfer credit	s 0
PHYS 263/263L	Calculus Physics III/with Lab	6		Other NNMC BEng technical program requirements	42
					74
	Total AS Credit:	s 78		Total Credit Hours	120
	Santa Fe Community College			Northern New Mexico College	
			-	Valid through 2023	
Chair		Date	Chair		Date
Dean		Date	Dean		Date
/PAA		Date	VPAA		DA