ARTICULATION TRANSFER MATRIX BETWEEN SANTA FE COMMUNITY COLLEGE AND NORTHERN NEW MEXICO COLLEGE

SFCC students who earn an AAS degree in Engineering technologies as prescribed in this document may receive up to 53 credits toward the Bachelor of Engineering degree in Electromechanical Engineering Technology at NNMC. Any deviation from this prescribed agreement will require appropriate approval from SFCC and/or NNMC.

SFCC AAS Engineering Technologies				**NNMC B Eng Electromechanical Engineering Technology**		
2025-26 Catalog Total Credit Requirement: 60 (Minimum) General Education Requirements: 17 Credits Program Requirements: 25 Credits Related Requirements: 18 Credits (Minimum)			**Credits applied to NNMC Program**	**2025-26 Catalog** Total Credit Requirement: 120 General Education Requirements: 31 Credits Program Requirements: 69 Credits Support Courses: 20 Credits		
Communications				AREA I: Communications		
ENGL 1110	Composition I	3	3	ENGL 1110	Composition I	3
				ENGL 1210	Technical Communications	3
Mathematics				AREA II: Mathematics		
MATH 1220	College Algebra	4	3	MATH 1350	Intro to Statistics ***One credit will not transfer***	3
Laboratory Science				AREA III: Laboratory Science		
PHYS 1230 AND	Algebra-based Physics I AND	3	4	PHYS 1230 AND PHYS 1230L	Algebra-based Physics I AND Algebra-based Physics I Lab	4 (3+1)
PHYS 1230L	Algebra-based Physics I Lab	1				
OR						
PHYS 1310 AND	Calculus-based Physics I AND	3				
PHYS 1310L	Calculus-based Physics I Lab	1				
Social/Behavioral Sciences				AREA IV: Social/Behavioral Sciences		
Social/Behavioral Sciences Course		3	3	Area IV: Social/Behavioral Sciences Course		3
Creative and Fine Arts or Humanities				AREA V: Humanities		
Creative and Fine Arts or Humanities Course* *This course will be transferred as a Humanities or Fine Arts course at NNMC		3	3	Area V:Humanities Course		3
				Area VI: Fine Arts		
				Area VI: Fine Arts Course		3
				Additional Nine Credit Hours		
				COMM 1130	Public Speaking	3
				Civics Course		3
				STEM-H Recommended Course		3

Program Requirements				Program Requirements/Support Courses		
ENGR 111	Intro to Engineering	3	3	ENGR 1110L	Intro to Engineering	3
ENGR 160	Engineering Graphics and Design	4			***ENGR 160 does not transfer to NNMC BEng Program***	
ENGR 122	Engineering Methods	3	3	ENGR/Technical/MATH Elective Credits (lower division)		3
ENGR 215	Engr Programming Using MATLAB	3	3	EECE 1152L	Comp Prog I or Other Prog Course	3
ENGR 260	Mechanical Engineering Design	2	3	ENGR/Technical/MATH Elective Credits (lower division), ***One credit will not transfer***		3
ENGR 260L	Mechanical Engineering Design Lab	2				
MATH 1250	Trigonometry and Pre-Calculus	4	4	MATH 1250	Trigonometry and Pre-Calculus	4
MATH 1510	Calculus I	4	4	MATH 1510	Calculus I	4
If taken by SFCC students, the following courses from "Related Requirements" area will transfer to B Eng degree at NNMC (not all choices from "Related Requirements" are listed here)						
ENGR 212	Engineering Statics	3	3	MET 2201	Applied Mechanics I	3
ENGR 221	Engineering Dynamics	3	3	MET 3301	Applied Mechanics II	3
ENGR 222	Engineering Circuit Analysis	3	3	EET 2200L	Electrical Systems I with Lab	3
MATH 1520	Calculus II	4	4	MATH 1520	Calculus II	4
PHYS 1240 AND	Algebra-based Physics II AND	3	4	PHYS 1240 AND PHYS 1240L	Algebra-based Physics II AND Algebra-based Physics II Lab	4 (3+1)
PHYS 1240L	Algebra-based Physics II Lab	1				
OR						
PHYS 1320 AND	Calculus-based Physics II AND	3				
PHYS 1320L	Calculus-based Physics II Lab	1				
				ENGR 1101/L	Computer Science for All/Lab	4
				CAD 1100	Engr Draw & Comp Aided Design Fund	3
				CAD 2200	Inter Engr Draw & Comp Aided Design	3
				MET 3302	Strength and Properties of Materials	3
				MET 3310	Manufacturing Process & Automation	3
				EET 3300L	Electrical Systems II with Lab	3
				EET 4400L	Control Sys & Instrumentation with Lab	3
				EMET 4400	Advanved Electromechanical Design	3
				MET 3303	Thermodynamics	3
				MET 3317	Fluid Mechanics	3
				EMET 4402	Robotics	3

				MET 4421	Heat Transfer	3
				MATH 3316	Applied Ordinary Differential Equations	3
				ENGR 4480	Engr Mgmt and Project Mgmt	3
				EMET 4490	Capstone	3
				ENGR/Technical/MATH Elective Credits (upper division)		3
				ENGR/Technical/MATH Elective Credits (upper division)		3

Note: SFCC courses CHEM 1215/L and CHEM 1225/L can be used toward lower-division ENGR/Technical/MATH elective credits for NNMC Electromechanical Engineering Technology program (if other course credits are not available to meet 6 credits of lower-division elctive requirements)

Total AAS Credits (Min)	**60**				
Total AAS Credits Transferable to NNMC B Eng Program (up to)		**53**			

Transfer Credits from SFCC AAS Degree (up to)	**53**
Other NNMC Gen Ed Requirements	**15**
Other NNMC B Eng Program/Support Requirements	**52**
Total B Eng EMET Credits	**120**

SIGNATURE	**Santa Fe Community College**	**SIGNATURE**	**Northern New Mexico College**
Lori Stewart	11/7/2025	Ashis Nandy Digitally signed by Ashis Nandy Date: 2025.11.03 20:32:12 -07'00'	
Dean	Date	Chair	Date
MAPeters	11-7-2025	René Vellanoweth René Vellanoweth (Nov 4, 2025 08:48:42 MST)	
VPASA	Date	VPAA	Date

Articulation Agreement SFCC-NNMC

Final Audit Report 2025-11-04

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