

 ARTICULATION TRANSFER MATRIX BETWEEN MESALAND COMMUNITY COLLEGE AND NORTHERN NEW MEXICO COLLEGE 				
MCC Associate in Applied Science in Wind Energy Technology			NNMC BEng ElectroMechanical Engineering Technology	
General Education Requirements			MCC students who earn an Associate in Applied Science degree in Wind Energy Technology as prescribed in this document will receive a minimum of 39 credits toward the BEng degree in Electromechanical Engineering Technology. Any deviation from this prescribed agreement will require appropriate approval from MCC and/or NNMC.	
Area I: Communications - 6 credits			Area II: Mathematics - 3 credits	
ENG 102	English Composition	3	ENGR 1121L	Introductory Math for Engineering Applications I
ENG 233	Professional and Technical Writing	3		Area III Humanities - 3 credits
Area III: Laboratory Sciences - 4 credits			Area V Course (3)	
GEOL 141	Introduction to Environmental Science	4		Area VI: Fine Arts - 3 credits
Area IV Social/Behavioral Sciences - 3 credits			Area VI Course (3)	
HPE 128	Individual Health and Conditioning	3		Additional - 8 credits
Additional 3 credit			Civics Courses (3)	
COM 102	Public Speaking	3		STEM Courses (3)
Core Requirements - 23 credits			Support Courses - 14 credits	
			MATH 1510	Calculus I
WET 101	Introduction to Wind Energy	3	MATH 1520	Calculus II
WET 106	Electrical Theory for Renewable Energy	4	ENGR 1122L	Introductory Math for Engineering Applications II
			ENGR 2215	Physics for Engineers I
WET 116	Introduction to Motors and Generator	3	ENGR 2216L	Physics for Engineers II
			ENGR 2217L	Physics for Engineers III
WET 140, 141, 240	Wind Turbine Climbing and Safety I, II, III	3	Program Requirements (44 Credits)	
WET 2014	Introduction to Hydraulics	3	CAD 1100	Engineering Drawing and Computer Aided Design Fundamentals
WET 121	Wind Turbine Mechanical Systems	3	CAD 2200	Intermediate Engineering Drawing and Computer Aided Design
WET 219	Wind Turbine Operations, Maintenance, and Repair	4	EET 3300L	Electrical Systems II with Lab
Total AS Credits			EET 4400L	Control Systems and Instrumentation with Lab
			EMET 4400	Advanced Electro-Mechanical Design
			MET 2201	Applied Mechanics I
			MET 3301	Applied Mechanics II
			EEC 1152L	Computer Programming I
			MET 3310	Manufacturing Processes and Automation
			MET 3302	Strength of Properties and Materials
			MET 3303	Thermodynamics
			MET 3317	Fluid Mechanics
			MATH	Intro to Ordinary Diff. Equ. OR Ordinary Diff. Equ.
			EMET 4401	Robotics
			MET 4421	Heat Transfer
			ENGR 4480	Engineering Management and Project Management
			EMET 4490	Capstone (WIC)
				Upper Division Elective
			Transfer from MCC AS Degree	
			Other MCC transfer credits	
			Other NNMC BEng technical program requirements	
			Other NNMC BEng requirements	
			Other NNMC Gen ed requirements	
			Total Credits	
SIGNATURES AND DATE Mesalands Community College Department _____ Chair _____ Date _____ Dean _____ Date _____ VP/AA _____ Date _____ President _____ Date 7/27/23			SIGNATURES AND DATE Northern New Mexico College Valid through 2023 Department Engineering and Technology Chair _____ Date 7/27/23 Chair _____ Date _____ VPAA _____ Date 7/27/23 President _____ Date _____	