UNIVERSITY OF NEW MEXICO – VALENCIA
&
WESTERN NEW MEXICO UNIVERSITY
Fall 2022 – Summer Session 2026

UNM – Valencia A.S. Mathematics / WNMU Transfer			WNMU Requirements			
General Education – 31 credit hours			UNM-Valencia students who earn the AS degree in mathematics as prescribed in this document will be admitted to WNMU as Juniors in the Bachelor of Science (BS) in Mathematics program. Furthermore, for these students, the additional requirement of a minor is waived. Students who transfer to the WNMU and complete the curriculum listed below will be awarded a Bachelor of Science Degree in Mathematics from WNMU with a concentration in either Computational and Applied Mathematics or Mathematics (Secondary) Education (choose one). The WNMU courses are offered online, and the WNMU service learning (SL) requirement is waived.			
Area I. Communications – 6 credit hours						
ENGL 1120	Composition II	3				
Choose One	One course from the UNM Core Curriculum in Area I: Communication **(Recommend PHIL 1120)**	3				
Area II. Mathematics – 3 credit hours						
Math 1220	College Algebra	3				
Area III. Physical & Natural Science – 4 credit hours			Upon completion of the requirements specified within this agreement, students will have earned a UNM-Valencia AS degree in Mathematics and a WNMU BS degree in Mathematics. Any deviation from this prescribed agreement will require appropriate approval from UNM-Valencia and WNMU.			
Choose One	Choose One Course and lab from the UNM Core Curriculum in Area III: Physical and Natural Sciences. Chosen course must have a lab either included or taken concurrently.	4				
Area IV. Social/Behavioral Sciences – 3 credit hours			**Core Requirements – 18-22 credit hours**			
Choose One	Choose One Course from the UNM Core Curriculum in Area IV: Social & Behavioral Sciences	3	MATH 2530	Calculus III (unless completed at UNM-VA)	4	
			MATH 2431	Discrete Mathematics	3	
			MATH 312	Computational Linear Algebra	3	
Area V. Humanities – 3 credit hours			MATH 308	MATLAB: Interactive Environment for Scientific and Technical Computing	3	
Choose One	One course from the UNM Core Curriculum in Area V: Humanities	3	MATH 470	Topics in Computational Mathematics	3	
Area VI. Fine Arts – 3 credit hours			MATH 496	Senior Project (WI)	3	
Choose One	One course from the UNM Core Curriculum in Area VII: Arts and Design	3	CMPS 1993	Problem Solving with Java I	3	
Area VII. Second Language (for UNM) – 3 credit hours			**Computational & Applied Mathematics Requirements – 12 credit hours**			
Choose One	One course from the UNM Core Curriculum in Area VII: Second Language	3	MATH 323	Differential Equations	3	
			MATH 421	Advanced Applied Statistics	3	
Area VIII. Flexible Hours – 6 credit hours			CMPS 321	Problem Solving with Java II	3	
ENGL 1110	Composition I (or equivalent ENGL 1110Z **unless placed out, then alternative Gen Ed Course should be taken** from Areas 1 through 7)	3	CMPS 331	Problem Solving with Java III	3	
			OR Mathematics (Secondary) Education Requirements – 12 credit hours			
Choose one	Choose an additional General Education course from a different area (1-7)	3	MATH 304	Mathematics for the Secondary Teacher	3	
AS in Mathematics Program Requirements – 29 credit hours			MATH 327	Survey of Geometry	3	
			MATH 451	History of Mathematics	3	
Program Core Requirements – 23 credit hours			Choose one	Upper division level MATH or CMPS course	3	
Math 1230	Trigonometry	3	**Additional Requirements – 18-30 credit hours**			
Math 1240	Pre-Calculus	3	**Upper Division Electives – 18 credit hours**			
			Choose 6	With the guidance of your academic advisor, choose at least 18 credit hours of upper division courses (from any discipline), of which at least six credit hours should be writing intensive (WI)	18	
Math 1512	Calculus I	4	**Other Electives – 8-12 credit hours**			
Math 1522	Calculus II	4	Choose up to 4	With the guidance of your academic advisor, choose a sufficient number of courses so that the total credit hours is at least 120	8-12	
Math 1480	Exploring Careers in Mathematics	2				
Math 2530	Calculus III	4				
Math 1350	Introduction to Statistics (unless counted as Gen. Ed. elective)	3				

	General Electives – 6 credit hours				
Choose Two	Choose additional electives to round out 6 more credit hours – **recommend BCIS 1110** for one	6			
	UNM-V General Education Credit Hours	**31**	**WNMU Major Program Requirements Credit Hours**		**30-34**
	UNM-V Program Requirement Credit Hours	**29**	**WNMU Additional Requirements Credit Hours**		**18-30**
			Total UNM-V A.S. Credit Hours		**60**
	Total UNM-V A.S. Credit Hours	**60**	**Total WNMU B.S. Credit Hours (min. 120)**		**120**

Signatures/Dates			Signatures/Dates		
University of New Mexico - Valencia			**Western New Mexico University**		
Department Chair *Elaine Clark*		Date 10/12/21	Department Chair *Thomas Gruszka*		Date 12 October 2021
Dean/Chief Academic Officer *Laura Musselwhite*		Date 10/12/21	Dean *Dr. W. J. Crocker, VPAA* and Dean		Date 10/19/2021
			VPAA *Dr. W. J. Crocker, VPAA*		Date 10/19/2021