

Minor in Foundational Mathematics
Department of Mathematics
School of Natural Sciences

Minor Curriculum Matrix:

(Provide the revised curriculum matrix below)

	Core	Elective	Total Credits
Min Credits required	12	8	20
Number of Credits to Choose	16	32	48
Selection Rate*	75%	25%	

*Selection Rate for core should be 75% or higher, and for elective courses should be 25% or higher.

** Fill if applicable

Core Course

Sr No	Course Code	Course Name	Pre-requisite	Course Credits (L:T:P)	PLGs Mapping
1	MAT 1001	Calculus 1	None	3:1:0	PLG 1
2	MAT 1002	Calculus 2	MAT 1001/DOM 1001	3:1:0	PLG 1
3	MAT 1006	Linear Algebra	None	3:1:0	PLG 2
4	MAT 1007	Statistical Thinking and Probability	None	3:1:0	PLG 2

Elective Basket

Sr No	Course Code	Course Name	Pre-requisite	Course Credits (L:T:P)	PLGs Mapping
1	MAT 2046	Combinatorics	MAT1006 MAT1002 or MAT1100 or MAT2004, and MAT1006	3:1:0	PLG 3
2	MAT 4208	Graph Theory	MAT1006	3:1:0	PLG 3
3	MAT 2001	Real Analysis I	MAT1002	3:1:0	PLG 1, PLG 3
4	MAT 4212	Introduction to Mathematical Finance	MAT2005 or MAT3001 or MAT1006 or MAT1007	3:1:0	PLG 2, PLG 3
5	MAT 3001	Statistical Inference	MAT1002 or MAT1007 or DOM 1002	3:1:0	PLG 2
6	MAT 1005	Number Theory	None	3:1:0	PLG 3
7	MAT 4204	Optimization I	MAT2001 or MAT1006	3:1:0	PLG 3
8	MAT 2005	Algebra 1	MAT1006	3:1:0	PLG 2, PLG 3