

Minor in 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 Courses

Sr No	Course Code	Course Name	Pre-requisite	Course Credits (L:T:P)	PLGs Mapping
1	MAT 2001	Real Analysis I	MAT1002 or MAT1100 or MAT2004 or CHY 1003 or CHY 1004	3:1:0	PLG 1
2	MAT 2005	Algebra I	MAT1002 or MAT1100 or MAT2004 or CHY 1003 or CHY 1004	3:1:0	PLG 1
3	MAT 3003	Differential Equations	MAT1002 or MAT1100 or MAT2004 or CHY 1003 or CHY 1004	3:1:0	PLG 2
4	MAT 3001	Statistical Inference	MAT1002 or MAT1100 or MAT1007 or MAT2007 or CHY 1003 or CHY 1004	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	MAT1002 or MAT1100 or MAT2004, or MAT1006 or CHY 1003 or CHY 1004	3:1:0	PLG 3
2	MAT 4208	Graph Theory	MAT2001 or MAT1006	3:1:0	PLG 3
3	MAT 4203	Introduction to Differentiable Manifolds	MAT2001 and MAT4219	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 4219	Metric Spaces	MAT2001	3:1:0	PLG 1
6	MAT 4204	Optimization I	MAT2001 or MAT1006	3:1:0	PLG 3
7	MAT 4100	Statistical Simulation and Computation	MAT3001 or MAT1006	3:1:0	PLG 2, PLG 3
8	MAT 4241	Introduction to Machine Learning	MAT3001 or MAT1006	3:1:0	PLG 2, PLG 3