

List of courses that can fulfil Minor in Mathematics requirements

- For students on the Interdisciplinary Collaborative Core (ICC) Curriculum (full-time students admitted to Year 1 from AY2021-22, and full-time students admitted directly to Year 2 from AY2022-23), click [here](#) more details on the course requirement and grading.

Course Code	Course Title
MH1100	Calculus I
MH1101	Calculus II
MH1200	Linear Algebra I
MH1201	Linear Algebra II
MH1300	Foundations Of Mathematics
MH1301	Discrete Mathematics
MH2100	Calculus III
MH2200	Groups And Symmetry
MH2220	Algebra I
MH2500	Probability
MH2510	Statistics I
MH2801	Complex Methods for The Sciences
MH2802	Linear Algebra for Scientists
MH3100	Real Analysis I
MH3101	Complex Analysis
MH3110	Ordinary Differential Equations
MH3200	Abstract Algebra I
MH3210	Number Theory
MH3220	Algebra II
MH3300	Graph Theory
MH3320	Dynamical System Theory with Chaos and Fractals
MH3400	Algorithms For the Real World
MH3401	Signal And Noise In Biology
MH3500	Statistics
MH3510	Regression Analysis
MH3511	Data Analysis with Computer
MH3512	Stochastic Processes
MH3520	Mathematics Of Deep Learning
MH3600	Topology And Manifolds
MH3700	Numerical Analysis I
MH3701	Basic Optimization
MH3702	Geometric Methods in Mathematical Physics
MH4100	Real Analysis II
MH4110	Partial Differential Equations
MH4200	Abstract Algebra II
MH4220	Algebra III
MH4300	Combinatorics
MH4301	Set Theory and Logic
MH4302	Theory Of Computing
MH4310	Coding Theory

Course Code	Course Title
MH4311	Cryptography
MH4320	Computational Economics
MH4500	Time Series Analysis
MH4501	Multivariate Analysis
MH4510	Statistical Learning and Data Mining
MH4511	Sampling & Survey
MH4512	Clinical Trials
MH4513	Survival Analysis
MH4514	Financial Mathematics
MH4519	Financial Econometrics
MH4520	High Dimensional Probability
MH4521	Reinforcement Learning
MH4522	Spatial Data Science
MH4600	Algebraic Topology
MH4601	Differential Geometry
MH4700	Numerical Analysis II
MH4701	Mathematical Programming
MH4702	Probabilistic Methods in Operations Research