

KINGFISHER: MATHEMATICS

Kingfisher Concentration - Mathematics requirements (9 Credits):

Code	Title	Credits
Choose any 9 credits from the list below:		9
MTH 245	Calculus I	
or MTH 246	Calculus II	
MTH 249	Modeling the Physical World I	
MTH 310	Introduction to Abstract Mathematics	
MTH 321	Euclidean and Non-Euclidean Geometry	
MTH 323	Mathematical and Computational Neuroscience	
MTH 347	Calculus III	
MTH 349	Modeling the Physical World II	
MTH 350	Applied Linear Algebra and Differential Equations	
MTH 360	Elementary Probability and Statistics	
MTH 362	Statistical Modeling	
MTH 400	Current Issues in Mathematics	
MTH 411	Combinatorics	
MTH 429	Advanced Linear Algebra	
MTH 431	Mathematical History, Philosophy And Ethics	
MTH 443	Numerical Analysis	
MTH 445	Advanced Differential Equations	
MTH 446	Partial Differential Equations	
MTH 447	Mathematics in Medicine and the Life Sciences I	
MTH 448	Mathematics in Medicine and Life Sciences II	
MTH 451	Differential Geometry	
MTH 455	Chaotic Dynamical Systems	
MTH 457	Graph Theory	
MTH 459	Topology	
MTH 467	Operations Research	
MTH 471	Mathematical Analysis	
MTH 472	Mathematical Analysis II	
MTH 473	Complex Analysis	
MTH 481	Modern Algebra I	
MTH 482	Modern Algebra II	
MTH 509	Discrete Structures	
MTH 525	Automata, Computability, and Formal Languages	
MTH 541	Mathematics for Data Scientists	
MTH 561	Mathematical Statistics I	
MTH 562	Mathematical Statistics II	
MTH 563	Mathematical Statistics III	
MTH 573	Probabilistic Models	
MTH 575	Introductory Stochastic Processes	
Total Credits		9