

Upper-Level Mathematics 2026-27

Elective Courses		pre-req(s)	Autumn 2026	Winter 2027	Spring 2027
MATH 21100	Basic Num. Analysis	18400 or 20400	MWF 12:30 staff		MWF 12:30 staff TTh 2:00--3:20 Kong
MATH 21200	Adv. Num. Analysis	20500		TTh 9:30 staff	
MATH 23500	Markov Chains, etc.	STAT 24400, 20500	TTh 11:00 Gwynne		MWF 8:30 staff MWF 9:30 Wang MWF 10:30 staff
MATH 23700	Intro. to Modelling	18600 or 20500	MWF 12:30 Weinberger		
MATH 23900	Topics in Analysis	27000		TTh 9:30 Wilkinson	
MATH 24200	Algebraic Number Th.	25500		MWF 12:30 Emerton	
MATH 24400	Intro. To Alg. Geom.	20500 and 25500			TTh 11:00 staff
MATH 26200	Point-Set Topology	20300 and co-25400	MWF 11:30 D. Calegari	TTh 11:00 May	
MATH 26300	Intro. To Alg. Topology	26200			TTh 12:30 Weinberger
MATH 26500	Intro. To Riemannian Geometry	20500			MWF 10:30 staff
MATH 26700	Intro. To Repr. of Finite Gps	25500	MWF 12:30 staff		
MATH 27000	Basic Complex Variables	20500	TTh 9:30 Wilkinson TTh 11:00 Fefferman	MWF 11:30 Gwynne	TTh 9:30 staff
MATH 27100	Measure and Integration	20500		TTh 9:30 Kenig	
MATH 27200	Basic Functional Analysis	27100 or 20900			TTh 9:30 Deng
MATH 27300	Basic Theory of ODEs	20500	TTh 11:00 staff TTh 12:30 staff	TTh 11:00 Filip TTh 12:30 Filip	
MATH 27400	Intro. To Diff. Manifolds	20500 and 26200		MWF 11:30 Neves	
MATH 27500	Basic Theory of PDEs	27000 and 27300			TTh 11:00 Silvestre
MATH 27700	Mathematical Logic I	20300 and co-25400	TTh 12:30 Vicaria		
MATH 27800	Mathematical Logic II	27700		TTh 12:30 Hirschfeldt	
MATH 28130	Honors Discrete Mathematics		MWF 9:30 Razborov		
CMSC 28130	Honors Complexity Theory		TBA Simon		
CMSC 27230	Honors Algorithms			MWF 9:30 Potechin	
MATH 28530	Honors Graph Theory				MWF 9:30 Razborov

Required Courses in the Mathematics Major

MATH 15910	Intro. To Proofs in Analysis	15300 or 13300	various	various	various
MATH 20250	Abstract Linear Algebra	15910 or 16300	various	various	various
MATH 203-4-5	Analysis	15910 or 16300	various	various	various
MATH 207-8-9	Honors Analysis	invitation	MWF 10:30 Silvestre	MWF 10:30 Souganidis	MWF 10:30 Csomyei
MATH 254-5	Algebra	15910 or 16300	MWF 10:30 MWF 11:30	MWF 10:30 MWF 11:30	
				MWF 12:30	MWF 12:30
MATH 257-8-9	Honors Algebra	15910 or 16300	MWF 10:30 MWF 11:30 Mathew	MWF 10:30 MWF 11:30	MWF 10:30 Rudenko MWF 11:30 Rudenko

First Year Graduate Courses

MATH 31200	Grad Analysis I	permission	Chen		
MATH 31300	Grad Analysis II	permission		Silvestre	
MATH 31400	Grad Analysis III	permission			Gwynne
MATH 31700	Grad Topology I	permission	May		
MATH 31800	Grad Topology II	permission		Wilkinson	
MATH 31900	Grad Topology III	permission			Neves
MATH 32500	Grad Algebra I	permission	Ginzburg		
MATH 32600	Grad Algebra II	permission		x	
MATH 32700	Grad Algebra III	permission			Kato