Department of Mathematics and Physics
Four-year Mathematics Graduate Courses Schedule (Fall 2025 – Summer 2029)

Course # and Title	F 25	Sp 26	Sr 26	F 26	Sp 27	Sr 27	F 27	Sp 28	Sr 28	F 28	Sp 29	Sr 29
Required courses												
MATH 5305 Real Analysis I		3					3					
MATH 5320 Complex Variables I					3						3	
MATH 5330 Abstract Algebra I				3						3		
MATH 5365 Topology		3						3				
MATH 5370 Mathematical Modeling				3						3		
MATH 5375 Probability					3						3	
STAT 5390 Case Seminar in Applied Statistics	3							3				
Elective courses												
MATH 5303 Number Theory I				3								
MATH 5306 Linear Algebra	3											
MATH 5312 Functional Analysis I					3							
MATH 5315 Combinatorics							3					
MATH 5316 Graph Theory							3					
MATH 5340 Differential Geometry		3										
MATH 5350 Ordinary Differential Equations I										3		
MATH 5360 Partial Differential Equations								3				
MATH 5367 Numerical Methods for PDE I		3										
STAT 5300 - Categorical Data Analysis				3								
STAT 5305 - Applied Data Analysis								3				
STAT 5306 - Generalized Linear Models w Appl[3]					3							
STAT 5310 - Statistical Models for Clinical Trials[3]											3	
STAT 5322 - Theory of Sampling and Surveys[3]										3		
STAT 5327 - Computational Models in Statistics [3]											3	
STAT 5328 - Regression & Applied Series Models[3]							3					
STAT 5329 - Analysis of Variance in Exper D M[3]	3											
STAT 5340 - Quality Control and Improvement[3]		3										
STAT 5341 - Applied Multivariate Analysis[3]	3											
STAT 5387 - Statistical Models for Spatial Data[3]				3								
Courses based on student request												
MATH 5191 Mathematics Seminar	1	1	1	1	1	1	1	1	1	1	1	1
MATH 5252 Internship in Mathematics	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3
MATH 5290 Research Methods in Mathematics	2	2	2	2	2	2	2	2	2	2	2	2
MATH 5398 Thesis I	3	3	3	3	3	3	3	3	3	3	3	3
MATH 5399 Thesis II	3	3	3	3	3	3	3	3	3	3	3	3

(Rev. 4/2026)