Mathematics B.A. and B.S. Major Plan of Study - Catalog Year 2025-2026

INTRODUCTORY COURSES	
□ MATH 1131Q Calculus I	
□ MATH 1132Q Calculus II	i
FOUNDATIONAL COURSES (all	
□ MATH 2110Q Multivaria	ble Calculus
□ MATH 2210Q Applied Li	
□ MATH 2410Q Elementar	
□ MATH 2710 Transition	to Advanced Mathematics (a grade of C or higher is required for the Pure and Teaching concentrations)
WRITING "W" COURSE (one of	
□ MATH 2705W Technical	· ·
□ MATH 3670W Technical	
□ MATH 3796W Senior The	esis in Mathematics (Honors)
CONCENTRATION (complete o	ne of the following concentrations)
□ Pure Mathematics	
□ MATH 3150 Analysis	
□ MATH 3230 Abstract	
Two of the following:	
□ MATH 3151 Ana□ MATH 3231 Abs	
	oduction to Number Theory
□ MATH 3250 Con	
	oduction to Mathematical Logic
□ MATH 3330 Eler	
□ MATH 3370 Diff	erential Geometry
□ Applied Mathematics	
	ntial Equations for Applications (or MATH 3435 - Partial Differential Equations)
□ MATH 3510 Numer	
	uction to Mathematical Modeling
One additional of the	
	oduction to Complex Variables
□ MATH 3160 Prol	-
	nentary Stochastic Processes (also offered as STAT 3965)
□ MATH 3330 Eler	hematics for Machine Learning
	erential Equations for Applications
	tial Differential Equations
□ MATH 3511 Num	•
	g (only open to current students in the Secondary Math IB/M Teacher Education Program)
□ MATH 3150 Analysi	
□ MATH 3230 Abstrac	et Algebra I
□ MATH 3160 Probab	ility
One of the following:	
	oduction to Number Theory
□ MATH 3710 Intr	oduction to Mathematical Modeling
ADDITIONAL MATH ELECTIVI	ES (Two 3-credit 3000+ level MATH courses)
□ MATH 3000+	25 (Two o create 5000 - level Partiti courses)
	
□ MATH 3000+	
RELATED COURSES (12 credits	Related Courses in Mathematics
□ Related 2000+	Any 2000-level or higher course in: ACCT, BADM, BME, CE, CHEG, CHEM, COGS, CSE,
	ECE, ECON, EEB, ENVE, FNCE, GEOG, GSCI, MCB, ME, MSE, OPIM, PHYS, PNB, or STAT.
□ Related 2000+	Any 2000-level or higher non-Math Q Course (COMM 2000Q, LING 2010Q, etc).
□ Related 2000+	

Other courses with advisor approval.

□ Related 2000+ _