

2024-2025 catalog



Student Name:				ID Number:
Major Requirements All classes must be completed with a C- grade or better. Each course may count only once towards the major. No more than 4 credits of internship may count towards the major. Students completing a major in Mathematics are not eligible for a minor in Mathematics. At least two MAT courses numbered 300 or above must be taken at Augsburg.				
Term Completed/Planned	Grade	Credit	Course #	Title
Complete both Calculus I and	Calculus II	4 4		nd 145L: Calculus I (NSM) nd 146L: Calculus II (NSM)
Complete both advanced disc	rete mather	natics and li	inear algebra	
complete both davanced disc	rete matrici	4	MAT302	Discrete Mathematical Structures
		4	MAT315	Linear Algebra
Complete one (1) geometric p	norcenostive o	COLUMN		•
Complete one (1) geometric p	beispective t	Jourse 4	MAT255	Multivariable Calculus
		. 4	MAT335	Exploring Geometry
		•	1417 (1333	Exploring decimenty
Complete one (1) theoretical	structures co			
		. 4	MAT350	Graph Theory
		. 4	MAT360	Dynamical Systems
		. 4	MAT370	Real Analysis
		. 4	MAT380	Abstract Algebra
Complete one (1) MAT electiv	e numbered	l 300 or abo	ve	
		. 4		
Complete one (1) advanced m	nathematics	elective nu	mbered 350 o	or above, chosen from:
(2) aaraneea		4	MAT350	Graph Theory
		4	MAT360	Dynamical Systems
		4	MAT370	Real Analysis
		4	MAT373	Probability Theory
		4	MAT380	Abstract Algebra
		4	MAT395	Topics
		. 4	MAT399	Internship (or 4 credits of MAT 396, 397, 398)
		4	MAT455	Numerical Mathematics and Computation
		4	MAT465	Modeling and Differential Equations in Biological and Natural Sciences
		. 4	MAT485	Visualizing Mathematics with 3D Printing
		. 4	MAT499	Independent Study
Complete one (1) advanced e	lective, chos	en from:		
, , , ,	,	4	DST electiv	ve numbered 300 or above
		4	ECO416	Mathematical Economics
		4	An additio	nal MAT elective numbered 300 or above
		4	PHY327	Special Functions of Mathematical Physics
Pass MAT491 in your final ser	nactar			
rass MA1431 III your IIIIai sei	ilestei	0	MAT491	Mathematics Colloquium
			1411 (1431	aaaa oonoquium
Complete one (1) Speaking sk	ill course	_		
		. 2	MAT201	Communicating Mathematics
		. 4	COM111	Public Speaking (HUM)
		. 4	COM115	Scientific and Technical Public Speaking (HUM)
		-	Speaking s	skill course from another major:

Abbreviation Key: ML = Modern Language; SC = Signature Curriculum; EM = Engaging Minneapolis; AE = Augsburg Experience; KC = Senior Keystone Course; NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; SBS = Social & Behavioral Science; FA = Fine Arts; HUM = Humanities