

Mathematics: Secondary Education (B.S.)

2024-2025 catalog

Student Name:		ID Number:			
once towards the major. No n	nore than 4 c	redits of int	ernship may	ses must be completed with a C- grade or better. Each course may count only count towards the major. Students completing a major in Mathematics are not bered 300 or above must be taken at Augsburg.	
Term Completed/Planned	Grade	Credit	Course #	Title	
Complete both Calculus I and	l Calculus II	4 4		nd 145L: Calculus I (NSM) nd 146L: Calculus II (NSM)	
Complete one (1) data analys	sis course	4 4	DST164 MAT163	Introduction to Statistics (with R) (NSM) (recommended) Introductory Statistics (offered infrequently)	
Complete one (1) computation	onal reasonin	g course 4	CSC165 and 165L	Introduction to Computer Programming (Python)	
Complete one (1) geometric	perspective c	ourse 4	MAT335	Exploring Geometry	
Complete both advanced disc	crete mathen	natics and li 4 4	inear algebra MAT302 MAT315	Discrete Mathematical Structures Linear Algebra	
Complete one (1) theoretical	structures co	ourse 4 4	MAT360 MAT370	Dynamical Systems Real Analysis	
Complete one (1) applied pro	ojects course	4 4 4 4	DST475 DST490 MAT455 MAT465 MAT485	Machine Learning Data Visualization for Social Justice (KC) Numerical Mathematics and Computation Modeling and Differential Equations in Biological and Natural Sciences Visualizing Mathematics with 3D Printing	
Complete one (1) advanced r	nathematics	elective nur 4	mbered 350 o MAT380	or above Abstract Algebra	
Complete one (1) advanced 6	elective, chos	en from: 4	MAT325	History of Mathematics	
Complete one (1) additional	supporting co	ourse 3	ESE330	5-12 Methods: Mathematics	
Pass MAT491 in your final se	mester	0	MAT491	Mathematics Colloquium	

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