

Mathematics (B.A.)

2019-2020 catalog

Student Name: _____ ID Number: _____

Major Requirements

All classes must be completed with a C- grade or better.

Term Completed/Planned	Grade	Credit	Course #	Title
_____	_____	4	MAT145	Calculus I (NSM)
_____	_____	4	MAT146	Calculus II (NSM)
_____	_____	4	MAT245	Calculus III
_____	_____	4	MAT246	Linear Algebra
_____	_____	4	MAT271	Discrete Mathematical Structures

Complete **one (1)** theoretical structures elective, chosen from:

_____	_____	4	MAT304	Graph Theory
_____	_____	4	MAT314	Abstract Algebra
_____	_____	4	MAT324	Analysis
_____	_____	4	MAT363	Dynamical Systems
_____	_____	Other approved theoretical structures elective:		

Complete **three (3)** electives, with at least two courses numbered 300 or above (350 or above for courses completed Fall 2022 or later).

_____	_____	4	MAT252	Exploring Geometry
_____	_____	4	MAT273	Statistical Modeling
_____	_____	4	MAT287	History of Mathematics
_____	_____	4	MAT304	Graph Theory
_____	_____	4	MAT314	Abstract Algebra
_____	_____	4	MAT324	Analysis
_____	_____	4	MAT355	Numerical Mathematics and Computation
_____	_____	4	MAT363	Dynamical Systems
_____	_____	4	MAT369	Modeling and Differential Equations in Biological and Natural Sciences
_____	_____	4	MAT373	Probability Theory
_____	_____	4	MAT374	Statistical Theory and Applications
_____	_____	4	MAT377	Operations Research
_____	_____	4	MAT394	Topics in Statistics
_____	_____	4	MAT395	Topics
_____	_____	4	MAT399	Internship
_____	_____	4	MAT499	Independent Study
_____	_____	4	ECO416	Mathematical Economics
_____	_____	4	PHY327	Special Functions of Mathematical Physics

Pass MAT491 in your final semester

_____	_____	0	MAT491	Mathematics Colloquium
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Complete **one (1)** Speaking skill course

_____	_____	2	MAT201	Communicating Mathematics
_____	_____	4	COM111	Public Speaking (HUM)
_____	_____	4	COM115	Scientific and Technical Public Speaking (HUM)

Speaking 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

Student's Signature _____ Date _____

Advisor's Printed Name _____ Signature _____ Date _____

Advisor(s): By signing, you indicate you have verified the accuracy of the information above. Faculty advisors must initial next to each course substitution/waiver and sign this form.