

**Mathematics minor**

2021-2022 catalog

**Student Name:** \_\_\_\_\_ **ID Number:** \_\_\_\_\_

**Minor Requirements**

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

Term Completed/Planned	Grade	Credit	Course #	Title
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Complete **both** MAT145 and MAT146

_____	_____	4	MAT145 and 145L: Calculus I (NSM)	
_____	_____	4	MAT146 and 146L: Calculus II (NSM)	

Complete **three (3)** electives numbered above 200, at least **one (1)** of which is numbered above 300, chosen from:

_____	_____	4	MAT213	Data Visualization and Statistical Computing
_____	_____	4	MAT245	Calculus III
_____	_____	4	MAT246	Linear Algebra
_____	_____	4	MAT252	Exploring Geometry
_____	_____	4	MAT271	Discrete Mathematical Structures
_____	_____	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

**Alternatively, students can earn the Mathematics minor by completing the following six courses:**

_____	_____	4	MAT145 and 145L: Calculus I (NSM)	
_____	_____	4	MAT146 and 146L: Calculus II (NSM)	
_____	_____	4	MAT252	Exploring Geometry
_____	_____	4	MAT271	Discrete Mathematical Structures
_____	_____	4	MAT287	History of Mathematics

Complete **one (1)** of MAT163 or MAT164

_____	_____	4	MAT163	Introductory Statistics
_____	_____	4	MAT164	Introductory Statistics for STEM

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 signature below is only necessary if substitutions/waivers are made to the coursework.

\_\_\_\_\_  
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.

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