# Mathematics minor

2023-2024 catalog

**Student Name:** _____ **ID Number:** _____

## Minor Requirements

*All classes must be completed with a C- grade or better. Each course may count only once towards the minor. Internship may not count towards the minor. Students completing a major in Mathematics or Mathematical Economics are not eligible for a minor in Mathematics. At least one MAT course numbered 250 or above must be taken at Augsburg.*

| Term Completed/Planned | Grade | Credit | Course # | Title |
|---|---|---|---|---|
| Complete introductory calculus | | | | |
| | | 4 | MAT145 and 145L: Calculus I (NSM) | |
| Complete **one (1)** additional calculus course | | | | |
| | | 4 | MAT146 and 146L: Calculus II (NSM) | |
| | | 4 | MAT255 | Multivariable Calculus |
| Complete **one (1)** mathematics elective numbered 250 or above | | | | |
| | | 4 | MAT255 | Multivariable Calculus |
| | | 4 | An additional MAT elective numbered 300 or above | |
| Complete **one (1)** advanced mathematics elective, MAT325 or MAT course numbered 350 or above, chosen from: | | | | |
| | | 4 | MAT325 | History of Mathematics |
| | | 4 | MAT350 | Graph Theory |
| | | 4 | MAT360 | Dynamical Systems |
| | | 4 | MAT370 | Real Analysis |
| | | 4 | MAT373 | Probability Theory |
| | | 4 | MAT380 | Abstract Algebra |
| | | 4 | MAT395 | Topics |
| | | 4 | MAT455 | Numerical Mathematics and Computation |
| | | 4 | MAT465 | Modeling and Differential Equations in Biological and Natural Sciences |
| Complete **one (1)** additional advanced elective | | | | |
| | | 4 | DST elective numbered 300 or above | |
| | | 4 | ECO416 | Mathematical Economics |
| | | 4 | An additional MAT elective numbered 300 or above | |
| | | 4 | PHY327 | Special Functions of Mathematical Physics |

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.