



Department of Mathematics and Statistics, Discovery Hall
University of Nebraska at Kearney

Adding a Math Minor to your Major*

As you may know, at UNK every Bachelor of Science program of study requires a second major or minor. So supplementing your major with a math minor is not only a great way to build your resumé, but it also fulfills a degree requirement.

By choosing to take Calculus I with Analytic Geometry (five credits) to satisfy your LOPER 4 General Studies requirement, you will gain five credits out of a required twenty-four for a mathematics minor. That leaves only nineteen credits to complete a math minor. Of these remaining credits, six are electives, allowing you to choose from classes ranging from History of Mathematics to Statistics.

If you would like to discuss the possibility of adding a math minor to program of study, please contact Dr. Barton Willis, Department of Mathematics and Statistics, Discovery Hall (DSCH), Room 368, willisb@unk.edu or 308-865-8868.

For your General Studies LOPER 4 requirement take

- **MATH 115** Calculus I with Analytic Geometry (fall and spring) 5 credits

For your Math minor, take

- **MATH 202** Calculus II with Analytic Geometry (fall and spring, prerequisite: MATH 115) 5 credits
- **MATH 260** Calculus III (fall and spring, prerequisite: MATH 202) 5 credits
- **MATH 250** Foundations of Math (fall and spring, prerequisite: MATH 115) 3 credits

For your Math minor electives take

From the following, take *at least three* credits from

- **MATH 310** College Geometry (fall only, prerequisite: MATH 250) 3 credits
- **MATH 350** Abstract Algebra (spring only, prerequisite: MATH 250) 3 credits
- **MATH 404** Theory of Numbers (spring only, prerequisite: MATH 250) 3 credits
- **MATH 413** Discrete Mathematics (fall only, prerequisite: MATH 250) 3 credits
- **MATH 460** Advanced Calculus I (fall only, prerequisite: MATH 250) 3 credits

And take *at most three* credits from

- **MATH 305** Differential Equations (spring only, prerequisite: MATH 260) 3 credits
- **MATH 365** Complex Analysis (spring only, prerequisite: MATH 260) 3 credits
- **MATH 400** History of Mathematics (fall only, prerequisite: MATH 115) 3 credits
- **MATH 440** Linear Algebra (spring only, prerequisite: MATH 115) 3 credits
- **STAT 441** Probability and Statistics (spring only, prerequisite: MATH 260) 3 credits

Suggested mathematics course sequence

Freshman year Fall: MATH 115, Spring: MATH 202

Sophomore year Fall: MATH 260, Spring: MATH 250

Junior year Fall: math elective, Spring: math elective

Once you declare a mathematics minor, your academic advisor will be happy to help you build a four-year plan for earning a minor in mathematics. If you start on a path toward earning a math minor, but later decide to earn a Mathematics Bachelor of Science, all the math classes listed here will count toward the Bachelor of Science degree.

*This plan is up to date for the 2020-2021 catalog. Also, the designation of a fall or spring class is anticipated, but it is subject to change.



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Adding a Math Major to your Major*

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- **MATH 413** Discrete Mathematics (fall only, prerequisite: MATH 250) 3 credits
- **MATH 420** Numerical Analysis (spring only, prerequisite: MATH 260) 3 credits
- **STAT 441** Probability and Statistics (spring only, prerequisite: MATH 260) 3 credits

And take *at most three* credits from

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