

So what can I do with a math degree?

Junior Day
Department of Mathematics and Statistics
University of Nebraska at Kearney

19 April 2022

Barton Willis, PhD
Department of Mathematics and Statistics
University Nebraska at Kearney
Kearney, Nebraska 68849 USA

willisb@unk.edu

Short Answer

- ★ Teacher
- ★ Data Science
- ★ Computer Science
- ★ Actuary
- ★ Business Analyst
- ★ Statistician

Teacher



Amber Vlasnik graduated from UNK with endorsements to teach Mathematics and History. In 2017, she was recognized as the Nebraska Teacher of the year. Recently, Amber earned a doctorate in Educational Studies from UNL. She is a Professional Development Consultant at Educational Service Unit 6 in Lincoln, Nebraska.

Teacher



Jennifer Lange graduated from UNK endorsed to teach Mathematics. Today, she teaches math at Cross County Community Schools in Stromsburg, Nebraska. This year, Jennifer is a lead teacher for the revision of the Nebraska mathematics standards committee. Additionally, Jennifer serves on the Nebraska Association of Teachers of Math executive board.

Data Science



Amanda Bond earned UNK degrees in Mathematics and Computer Science. One year after graduation, she is a Data Analyst for the Nebraska Hospital Association and a graduate student at UNO studying Data Science.

Computer Science



Alex Sellers graduated from UNK with a degree in Mathematics and a minor in Computer Science. He is a software developer for Logic Nebraska in Aurora, Nebraska.

Computer Science



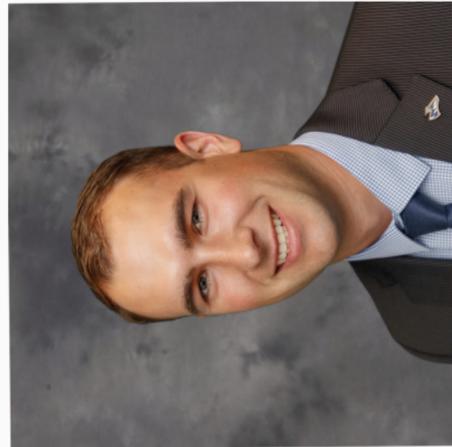
Stephanie Harshbarger graduated from UNK with degrees in Computer Science and Mathematics. Earlier this year, she earned a doctorate in Computer Science from Kansas State University and she now works for Boeing in Seattle, Washington.

Actuary



Roy Machamire graduated from UNK with degrees in Mathematics, Business Administration, and Economics. He is a Fellow of the Society of Actuaries (FSA), Chartered Enterprise Risk Analyst (CERA), and Member of the American Academy of Actuaries (MAAA). Roy is director of Actuarial Services at Sanford Health in Sioux Falls, South Dakota.

Business Analyst



Michael Christen earned UNK degrees in Mathematics and Finance. After UNK, he earned a MBA from the University of Kansas. He is now Director of Business Services at the University of Nebraska at Kearney.

Better Question

What would you like to do with a Mathematics degree?



For other questions, please contact:

Barton Willis, PhD
Department of Mathematics and Statistics
University Nebraska at Kearney
Kearney, Nebraska 68849 USA
willisb@unk.edu

FAQ

Question I will take calculus in high school. Will it transfer to UNK?

Answer Maybe. If you earn credit for the class through a Nebraska community college or State College (and earn a grade of C or higher) it will transfer. If you earn a sufficiently high grade on the AP exam, you will earn UNK credit for the class (but not a letter grade).

FAQ

Question What math class will I start with?

Answer A summer orientation advisor will help you choose the math class that is best for you. Placement into your first math class is done using either your ACT or SAT scores or a departmental placement test.

Most of our students start with Calculus I or II. But if you start in Trigonometry, it's still possible to graduate in four years.

FAQ

Question I'm not sure I want to be a math major. What should I do?

Answer Give it a try. Start with a Calculus class—it will count toward your General Studies required credit.

Later if you decide to major in Engineering, Physics, Chemistry, or Computer Science, the Calculus class will be required.

FAQ

Question I can't decide between majoring in X or Y. What should I do?

Answer Consider majoring in both. At UNK every BS degree requires a second major or minor. The hours for the second major are built in. Generally earning a dual degree doesn't require more than four years.

FAQ

Question At UNK, what are math class sizes like?

Answer Calculus classes might have as many as two dozen class members, but once you get to more advanced classes, likely the class will have five to ten members. You'll get plenty of help from faculty and you will get to know your classmates as well.