At UNK, if I had a question I knew I could go to my professor’s office and ask for help. The door was always open,” said Roy Machamire, a 2013 graduate from Zimbabwe. Machamire graduated with multiple majors: mathematics, finance and economics. “The programs prepared me for further studies with much ease. At UNK, I passed my first two actuarial exams which helped me land a full-time job after graduate school.”

Machamire is now a student at the University of Nebraska-Lincoln completing his Master of Science in actuarial science. After graduating, he will work at Humana as an actuarial analyst.

“I chose UNK because my sister was attending at that time, and the tuition and living expenses were affordable. I also heard that the student-to-teacher ratio was lower than most of the big universities, therefore affording me a high-quality level of education.”

Machamire says he was involved in several UNK organizations that helped mold his leadership skills.

---

MATHEMATICS

While completing the mathematics program requirements, you will gain a broad and in-depth understanding of many areas of mathematics, including analysis and modern algebra. This major leaves room to explore a second major of your choice. Popular combinations include computer science, economics and business administration. Some graduates earn graduate degrees in mathematics, statistics, business administration or the sciences. Other graduates work in the financial industries or in actuarial sciences. As a mathematics student, a faculty adviser will guide you through your coursework and help you achieve your personal goals. At UNK, class sizes are small, and you can get to know your instructors, ask for help or receive advice in a comfortable atmosphere.

Employment opportunities

- Computer programming
- Actuarial science
- Mutual funds and financial industries
- Computer systems analyst
- Administration
- Higher education
- Cryptography
- Biomathematics
- Operations research
- Statistics

Reasons to major in math at UNK

- After the calculus sequence, average class size is 15 students.
- Mathematics faculty are committed to student success.
- Instructors are available outside of class for further assistance.
- Free peer tutoring is available through UNK’s Learning Commons.

---

Tips for success in math

Attendance: Each class builds on previous lectures all semester. Attend class, read the text and do homework consistently.

Standards: Raise the bar and form a study group that meets once or twice a week. Not only will you develop friendships, but will gain a teamwork atmosphere with math peers.

Common sense: If needed, seek help soon rather than later. Begin the semester ready to use all of the campus resources available.
MATHEMATICS
FOUR YEAR CLASS SCHEDULE: BACHELOR OF SCIENCE
The schedule is a guideline for progress toward a degree. Consult with your academic adviser.

Scholarships available
• L.M. Larsen Memorial Mathematics Scholarship
• Donald L. Liehs Scholarship Endowment
• Harriet McFadden Memorial
• Dr. Mary L. Morse Memorial
• Daniel H. and Debra L. Mowrey Statistical Excellence Fund
• Theodora Nelson Endowed Fund
• James W. Nielsen Memorial
• Helen E. Ogle Memorial

Math organizations
UNK Math Club
UNK Math Club is for any student, faculty or staff who are interested in challenging their mind and having fun. Come and enjoy fun activities with like-minded people.
• Pi Day
• Fun Run/Walk Pi K

Kappa Mu Epsilon Organization
Kappa Mu Epsilon is a national mathematics honorary society. An undergraduate student is eligible for membership when they have maintained standards of scholarship, demonstrated professional merit and attained academic distinction.

Character traits needed for success
• Demonstrates the ability to think mathematically
• Solves problems with multiple and/or alternative solutions
• Persists in the search for solutions
• Displays a proactive mindset
• Is thorough
• Thinks realistically
• Shows self-confidence
• Manages time with the ability to prioritize
• Applies and adapts to new knowledge
• Desires life-long learning

ALUMNI PROFILE – Michael Christen, 2014, Mathematics B.S.

“UNK is a decision that I have never regretted. I decided that a math degree was going to be beneficial in any area of business. I truly felt like I was a part of the great campus community, and the math department was its own community where students got to know each other very well and ‘face the challenge’ together. In addition, the professors were great at caring for each student and helping whenever possible. By my junior year of college, I added my finance minor. By the time I had completed all of the requirements, I felt very prepared and on the right track to succeed. The community atmosphere that was present at UNK continues to make my college experience and degree very meaningful and valuable. In my MBA program at the University of Kansas School of Business, I have been assured that my background in math and finance has prepared me and will set me apart in future job searches and the business realm.”

For more information, contact:
Dr. Barton Willis, dept. chair and professor
Founders Hall, 2042
(308) 865-8868
willish@unk.edu

MATH - 0115