

Mathematics and Statistics

Students cultivate critical thinking and master statistical and mathematical tools while trusting their innate originality and developing skills in data analytics and theory and computation that are valuable in a variety of professions.



“*The Math Department is amazing. My professors are knowledgeable and love what they teach.*”

Lalia Awadalla Beltran,
Mathematics and Statistics

Discover

THE POWER TO TACKLE BIG PROBLEMS

UMKC is a public, urban university focused on students, research and community service. The opportunities are endless.

AT HOME IN KANSAS CITY

Kansas City is an ideal place for mathematics and statistics students. Faculty help students with many opportunities such as internships, scholarships, career fairs and other job opportunities across industrial and government sectors. Graduates are employed at Burns & McDonnell, Cerner Corporation, Honeywell, Lockton, Quintiles, T-Mobile and more.



DEGREE OPTIONS

- » Bachelor of Arts, Mathematics and Statistics
- » Bachelor of Science, Mathematics and Statistics
- » Teacher Certification, Mathematics

MINOR OPTIONS

- » Actuarial Science
- » Mathematics

FAST-TRACK PROGRAMS

- » Bachelor of Science/Master of Science Dual Degree, Mathematics
- » Bachelor of Science/Master of Science Dual Degree, Statistics

GRADUATE-LEVEL OPTIONS

- » Master of Science, Mathematics
- » Master of Science, Statistics
- » Interdisciplinary Ph.D., Mathematics
- » Interdisciplinary Ph.D., Statistics

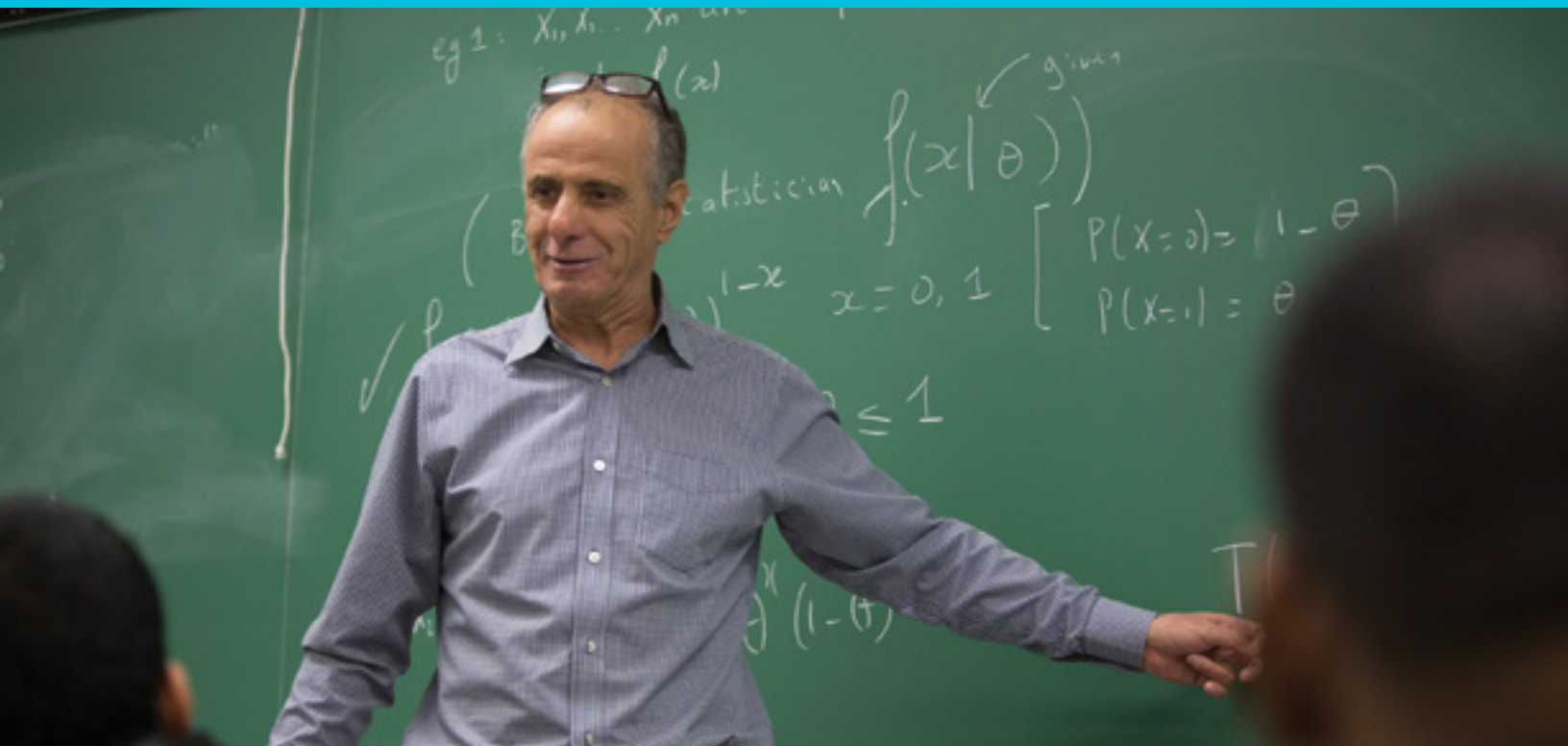
CAREER OPPORTUNITIES

- » Actuary
- » Accounting supervisor
- » Analyst
- » Agricultural economist
- » Biomathematician
- » Biostatistician
- » Computer scientist
- » Consultant
- » Data analyst
- » Inventory control
- » Educational markets manager
- » Electronic commerce specialist
- » Engineer
- » Financial officer
- » Financial planner
- » Imaging scientist
- » Marketing and sales consultant/researcher
- » Modeling and simulation analyst
- » Professor
- » Project manager
- » Quality control manager
- » Teacher

UMKC
COLLEGE OF

ARTS AND SCIENCES

Mathematics and Statistics



ABOUT THE DEPARTMENT

The UMKC Mathematics and Statistics Department offers the knowledge and experiences necessary for careers in business, industry, government and teaching while gaining the transferable skills necessary for statistics modeling and data analysis. Students regularly receive opportunities to apply classroom knowledge in practical settings such as internships and undergraduate research.

- » Pure Mathematics, Applied Mathematics and Statistics are among the top 15 college majors that are the most valuable in terms of salary and career prospects (U.S. Bureau of Labor Statistics).
- » Alumnus William R. Ward received the 2011 Kuiper Prize in the Planetary Sciences of the American Astronomical Society as a scientist in the Planetary Science Doctorate at Southwest Research Institute, for "lifetime achievements and pioneering

theories on how planets form and evolve. Previous recipients include Carl Sagan, James Van Allen and Eugene Shoemaker."

- » Faculty research includes recent National Science Foundation grant funding for commutative algebra (Liana Segal, Ph.D.) and for stochastic nonlinear filtering with applications to financial data (Yong Zeng, Ph.D.).

GET INVOLVED

- » Math Club is a student group that hosts engaging activities, invites math alumni to give insight to the current math job market and connects undergraduate students with graduate students and faculty.
- » Undergraduate research opportunities include the UMKC Students Engaged in Artistic and Academic Research (SEARCH) program and Summer Undergraduate Research Opportunity (SUROP).

- » The Mathematics and Statistics Graduate Student Organization promotes professional interest and fellowship among graduate students.

STUDY ABROAD

UMKC's Study Abroad and Global Engagement Office offers hundreds of programs in more than 50 countries, including semester- and year-long options. Learn more at umkc.edu/international.

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