

Graduate Certificate in Biostatistics

ONLINE AND IN-PERSON

Minimum Admissions Requirements

1. Online application: gograd.ku.edu/apply (Applicants will need to select "Medical Center Application" when prompted.)
2. Official transcript for all degree-granting institutions emailed to: stats_education@kumc.edu
3. Contact information for three recommenders.
4. Cumulative undergraduate GPA of 3.0 or better from an accredited college or university. International transcripts require a [NACES.org](https://www.naces.org) member evaluation.
5. B average or higher in Calculus I - III courses (or equivalent), and at least one of the following: Linear Algebra, Differential Equations, or Numerical Analysis.
6. Completion of any computer programming language course or demonstration of mastery via credentials or work experience
7. English Proficiency Test scores unless exempt or a Native English Speaker
8. Current KU/KUMC students must be in good standing (3.0 or higher GPA) and have a supportive letter of approval from their current graduate program to enroll

Application deadlines:

Spring: Jan. 1 | Summer: May 1 | Fall: Aug 1

Career Outlook

With the rising emphasis on highly personalized data in health care, pharmaceutical, insurance and other organizations, so rises the need for biostatistician. The U.S. Bureau of Labor Statistics estimates a 33 percent growth in jobs for statisticians over the next 10 years (2021-2031) and reports a current median salary of \$98,920 for statisticians. Our program will be a combination of statistical theory and practical application. This combination of skill sets is highly sought after and is required in many healthcare institutions and industries.

The Graduate Certificate in Biostatistics typically compliments prior education and careers in:

- Pharmaceutical Industry
- Health Care
- Actuarial
- Consulting
- Education
- Health Analytics & Research
- Government
- Biotechnology

Graduating with this certificate will open new doors to a more rewarding career.

WHY STATISTICS & DATA SCIENCE?



STATISTICIAN

Median annual salary:
\$98,920

DATA SCIENTIST

Median annual salary:
\$103,500

Ranked in Top 100 Best Jobs

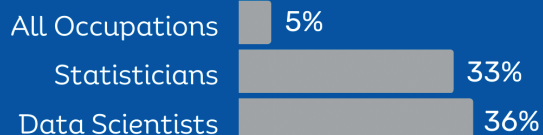
#6 Statistician
#8 Data Scientist

According to U.S. News and World Report

#1

Fastest Growing
Tech Career is
Data Scientist

According to
Forbes
Magazine



**Projected Job Growth from
2021 to 2031**

Bureau of Labor Statistics

KU DEPARTMENT OF
BIostatISTICS & DATA SCIENCE
The University of Kansas Medical Center

Curriculum

The Biostatistics Graduate Certificate program consists of a minimum of 15 credit hours of statistical coursework that is comprised of 9 credit hours of required coursework and 6 credit hours of elective coursework.

Successful completion of the following Biostatistics courses:

BIOS 830 Experimental Design
BIOS 840 Linear Regression
BIOS 871 Mathematical Statistics

Successful completion of two (2) elective courses from the following list:

BIOS 820 SAS Programming I
BIOS 821 SAS Programming II
BIOS 823 Introduction to Programming and Applied Statistics in R
BIOS 825 Nonparametric Methods
BIOS 833 Measurement for Statisticians
BIOS 835 Categorical Data Analysis
BIOS 845 Survival Analysis
BIOS 850 Multivariate Statistics
BIOS 855 Statistical Methods in Genomics Research
BIOS 872 Mathematical Statistics II
BIOS 880 Data Mining and Analytics

Tuition & Financial Assistance

Tuition and fees:

<https://www.kumc.edu/tuition-and-fees>

To maximize your financial aid options, apply for admissions by November 1 (Spring) or May 1 (Fall/Summer) and complete your FAFSA by December 1 (Spring) or June 1 (Fall/Summer).

Financial assistance:

<https://www.kumc.edu/financialaid>



Contact

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