

# Graduate Certificate in Applied Data Science

ONLINE

## Admissions

1. Online application: [gograd.ku.edu/apply](https://gograd.ku.edu/apply) (Applicants will need to select “Medical Center Application” when prompted.).
2. Official transcript for bachelors degree-granting institution emailed to: [stats\\_education@kumc.edu](mailto:stats_education@kumc.edu).
3. Contact information for three recommenders.
4. Cumulative undergraduate GPA of 3.0 or better in a completed bachelor's degree. For applicants who do not meet this threshold, a petition may be submitted requesting an exception at the discretion of the department. International transcripts require a NACES.org member evaluation.
5. B average or higher in Calculus I and II courses (i.e., single variable differentiation and integration or equivalent) or STAT 655.
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. GRE optional.

### Application deadlines:

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



## Career outlook

Extracting, refining, analyzing, and delivering data has enormous value in today's Big Data boom. Organizations need them to harvest data and turn it into information and insights that drive actions and shape strategies. KU's graduate certificate in applied data science can help prepare you for a successful career in this high-demand field. Offered through the KU Medical Center, the certificate complements prior education or careers in business, finance, accounting, marketing, education, mathematics, and health care. Take classes online to further your education on your schedule.

### Salaries

#### Statistician

Median annual salary:  
\$98,920

#### Data Scientist

Median annual salary:  
\$103,500

### Ranked in Top 100 Best Jobs

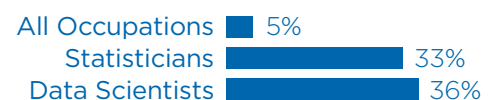
#6 Statistician\*

#8 Data Scientist\*

#1 Fastest Growing Tech Career: Data Scientist \*

\* U.S. News & World Report + Forbes

### Projected Job Growth, 2021-2031



Bureau of Labor Statistics

[edwardscampus.ku.edu/stats](https://edwardscampus.ku.edu/stats)

## Curriculum

This 15-credit-hour program is a series of five courses designed to equip students with skills in statistical and computational methods for the acquisition and analysis of Big Data.

### Required Courses | 15 credit hours

- STAT 823: Introduction to Programming and Applied Statistics in R  
or
- STAT 820: SAS Programming I
- DATA 824: Data Acquisition and Visualization
- STAT 840: Linear Regression
- STAT 850: Multivariate Analysis
- STAT 880: Data Mining and Analytics  
or
- DATA 881: Statistical Learning I

The Graduate Certificate in Applied Statistics is an academic partnership between the KU Edwards Campus and KU Medical Center Department of Biostatistics & Data Science.

## Tuition & financial assistance

\$700 per credit hour  
(includes tuition and fees)

Tuition and fees:  
[edwardscampus.ku.edu/tuition-fees](https://edwardscampus.ku.edu/tuition-fees)

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

Financial assistance:  
[edwardscampus.ku.edu/financial-aid-scholarships](https://edwardscampus.ku.edu/financial-aid-scholarships)



### Contact

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