ABOUT

Data science is the study of extracting knowledge from data. Our MS Statistics: Data Science (MSDS) combines a background in statistical theory, methods and practice related to data science with communication skills to train a new generation of leaders who will use data effectively for planning and decision making.

Data science concepts enable students to translate vague questions about complex data into pragmatic analysis steps using statistical thinking.

We build from basic methods that compare groups and relate measurements, to more complicated models that depend on the way data are gathered. In practice, planning and decision making involve choices about how to analyze data and communicate findings.

These concepts will be grounded at key points with projects that involve real data and/or realistic simulated data.
A limited number of scholarships will be offered to highly qualified applicants. Students may receive up to $12,000 over the duration of their time in the program.

**COST OF PROGRAM**

**TUITION**
- $48,000 total for 30 credits
- $1,600 per credit

**SCHOLARSHIPS**
- A limited number of scholarships will be offered to highly qualified applicants.
- Students may receive up to $12,000 over the duration of their time in the program.

**ADMISSIONS**

**APPLICATION DEADLINES:**
- March 1 for fall semester start
- October 15 for spring semester start

**APPLICATION MATERIALS:**
- Application Fee
- Statement of Purpose
- Transcripts
- Resume or CV
- Information regarding completion of prerequisite courses
- Three Letters of Recommendation
- TOEFL Scores

**PREREQUISITE COURSES:**
- 4 Semesters of Calculus
  - Calculus & Analytic Geometry I and II
  - Calculus - Functions of Several Variable
  - Theory of Single Variable Calculus
    - Or other proof-based mathematics & calculus coursework
- Linear Algebra
- Introduction to Probability and Mathematical Statistics I and II
  - Highly recommended
- R for Statistics I and II
  - Highly recommended
Glassdoor ranked data scientist as the #1 Best Job in America in 2019 for the fourth year in a row. As increasing amounts of data become more accessible, large tech companies are no longer the only ones in need of data scientists.

The growing demand for data science professionals across industries, big and small, is being challenged by a shortage of qualified candidates available to fill the open positions. The need for data scientists shows no sign of slowing down in the coming years. LinkedIn listed data scientist as one of the most promising jobs in 2017, 2018, and 2019, along with multiple data-science-related skills as the most in-demand by companies.

The national entry level salary for data scientists is $80,269 and the national average salary for data scientists is $114,186 according to SalaryExpert.
CONTACT US

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data-science/