

DATA SCIENCE



**BS in Statistics
Track**



Minor



Graduate Certificate



CONTACT INFORMATION

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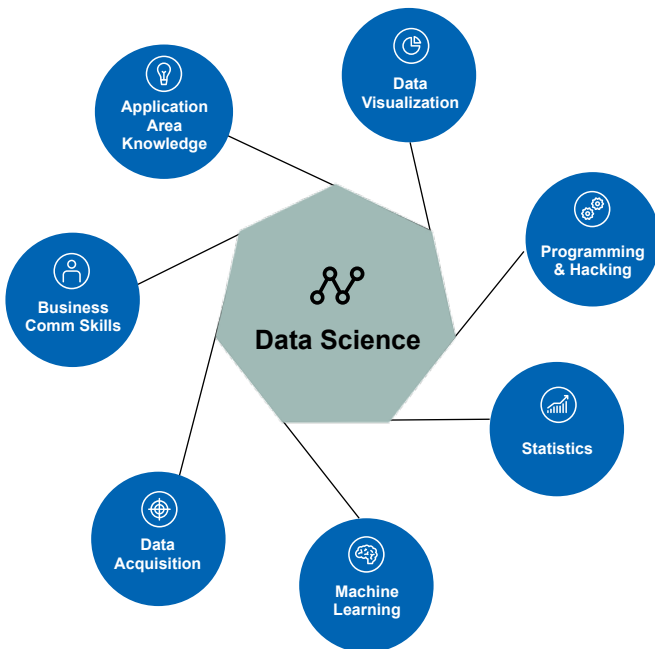
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AU Data Science

Data Scientists are in great demand in almost all disciplines. We can gather and store huge amounts of data and need to be able to analyze the data. Applications include targeted marketing, genetic research, autonomous driving, strategic business planning.

Do you have the ability and desire to look at the massive amounts of data available and use it to predict or classify behavior?



Data Science Track of the BS in Statistics

15-16 courses (53 hours)

- Computer Science I,II (8)
- Linear Algebra (3)
- Probability (3)
- Basic Statistics (4)
- Intermediate Statistics of Biostat (3)
- Statistical Programming in R (3)
- Data Science (3)
- Regression (3)
- Statistical Machine Learning (3)
- 8 hours chosen from math, comp. sci, stat, or application area



Data Science Minor

6 courses (20 hours)

- Applied Calculus or Calculus I
- Basic Statistics (4)
- Intermediate Statistics or Biostat (3)
- Statistical Programming in R (3)
- Data Science (3)
- Regression or Statistical Machine Learning (3)

Good complement to other majors—provides an understanding of data science needed in many disciplines



Data Science Graduate Certificate

4 courses (12 hours) taken over 2 semesters

- Fall Semester: Regression and Statistical Programming in R
- Spring Semester: Data Science and Statistical Machine Learning

All courses apply toward a Masters of Science in Statistics and are offered in the evenings (5:30-9:50)

Easy application process— pre-reqs include:

- Undergraduate degree
- 2 statistics classes or STAT 514 as a bridge course