

Data Science

What can I do with this major?



Related Career Titles

Search for potential position titles within multiple career industries.

Possible Position Titles

Data Scientist
Business Intelligence
Statistician
Data Analyst
Data Mining Specialist/Analyst
Database Analyst
Business Analyst
Program Manager
Financial Analyst
Clinical Data Analyst
Statistical Analyst

Industries

Bioinformatics
E-commerce
Finance
Government Agencies
Healthcare
Education
Insurance
Information Technologies
Retail/Trade
Robotics/Manufacturing
Telecommunications
Utilities

What is a Bachelors in Data Science?



The Bachelor of Science in Data Science at UHD is an interdisciplinary degree built on a foundation of mathematics, statistics and programming. It will prepare students for careers in which extracting meaningful and actionable intelligence from data is vital. Students in this program will learn to: gather, prepare and explore data; represent and transform data; compute and model with data; make scientific, informed and ethically sound decisions using data; and visualize and present data to both general and expert audiences. The transferrable nature of these skills will qualify you to work in practically any industry!

Interested in discussing your career path possibilities?

Visit S-402 or Call
713-221-8980

The [Career Development](#)

Professional Organizations

Affiliate yourself with groups to network and learn about the field

- ✓ *Mathematical Association of America , UHD Chapter*
- ✓ *American Statistical Association, Houston area Chapter*
- ✓ *Houston Data Management Association*
- ✓ *American Statistical Association*
- ✓ *Data Management Association International (DAMA)*
- ✓ *Data Science Association*
- ✓ *Digital Analytics Association*

Explore Career Specific Websites

www.amstat.org | www.dama.org | www.datascienceassn.org |
<http://www.ams.org/home/page> | www.digitalanalyticsassociation.org
<http://houston.dama.org/> | www.analytics-magazine.org

Internships or Partnerships

Research local organizations offering internships to students pursuing Data Science, Mathematics or Statistics.

For students currently employed, consider opportunities within your organization or business by approaching your employer directly.

Illiana Count

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SUMMARY

Junior Data Science major with an insatiable intellectual curiosity for all things mathematics and statistics. Strong SQL analytics skills along with programming in Python. Significant research project management Experience where working as a team player was paramount to success.

TECHNICAL SKILLS

Data/Analytics: SQL, Google Analytics, Microsoft (MS) Excel, Access
Programming: SAS, R, Python
Reporting: Cognos, Tableau

EDUCATION

University of Houston-Downtown, Houston, TX May 2019

Bachelor of Science in Data Science Candidate

GPA: 3.44

Activities: Association for Computing Machinery/ACM-UHD Chapter, Secretary (April 2016-April 2017)

Mathematical Association of America, UHD Chapter, Member (August 2016-present)

Relevant Courses: Intro to Computation with Python, Data Science I, Data Structures and Algorithms with Python, Probability & Statistics, Calculus II

RELEVANT EXPERIENCE

Delta Delta Corporation, Houston, TX

January 2018-May 2018

Data Analyst Intern/Team Leader

- Coordinated a team of 5 research assistants in performing regular research and gathering new statistical evidence at every opportunity.
 - Conducted experimental modeling using computation programs and eye-tracking research using Python
 - Communicated with managers and department leads regarding findings using Tableau.
 - Created and presented executive dashboards and scorecards to show the trends in the data using Excel
 - Redesigned a web based pivot-table application to perform the business strategy layout.
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RELEVANT RESEARCH

Rice University Summer Institute of Statistics (RUSIS), Houston, TX Summer 2017

- Researched traumatic brain injuries and their effects on various neurological outcomes using mixed effects models
- Attended class for 6 weeks on Probability, Bayesian Statistics, LaTeX, and Mathematica