

DATA SCIENCE



Bachelor of Science in Data Science

Data Science is a new emerging discipline built on a foundation of mathematics, statistics, and computing, which seeks to extract actionable information from data using state-of-the-art technology combined with industry knowledge. This degree will prepare students for a career, such as a data scientist—one of the industry's fastest growing professions—while simultaneously providing the knowledge and skills needed for jobs of the future. According to The Wall Street Journal, data science is “one of the hottest corners of the high-tech labor market.” Additionally, Glassdoor.com asserts that a data scientist is the “best job in America.”

About the Program

The Bachelor of Science in Data Science degree at UHD—the first-of-its-kind in Texas—offers several special features. Students successful at completing the required courses will:

- learn mathematical modeling and optimization; statistical inference and techniques; modern programming languages; ethically and mathematically sound decision-making; data visualization, presentation and communication.
- simultaneously earn at least two minors—mathematics and applied statistics.
- be exposed to at least four courses in a secondary discipline to gain knowledge and context in industries where their data science skills may be applied.
- have the opportunity for undergraduate research, senior projects or internships as a capstone experience.

Getting Started

1. **Apply for Admissions**
applytexas.org
2. **Apply for Financial Aid**
fafsa.ed.gov
3. **Fulfill Testing Requirements**
uhd.edu/testing
4. **Get Advised and Register**
uhd.edu/academics/advising
5. **Pay for Classes**
uhd.edu/students-resources/cashiers
6. **Prepare for Class**

For more information, visit:
uhd.edu/admissions/apply

Median Salary

The national average salary for a Data Scientist is **\$127,760** (indeed.com); The median annual Data Scientist salary is **\$122,747*** with a range usually between **\$106,949** and **\$137,575** (salary.com).

According to the U.S. Department of Labor Bureau of Labor Statistics, the national average salary for related fields: Computer and Information Research Scientist **\$111,840**; Applied Statistician **\$81,950**; Quantitative Analyst **\$81,760**; Operations Research Analyst **\$79,200**.

*As of September 27, 2017

Earn Your Degree

- Downtown

Contact

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uhd.edu/DataScience

Additionally, successful graduates will be prepared for immediate employment in satisfying and lucrative careers while being prepared to enter graduate school in Data Analytics, Data Science or Applied Statistics.

Affiliated Student Organizations

The **Mathematician Association of America** is the largest professional society that focuses on mathematics accessible at the undergraduate level.

The **UHD Data Analytics Society** mission is to voice the concerns of the Master of Science in Data Analytics (MSDA) students to the UHD administration; to procure resources for the MSDA and the Data Analytics Society; and to educate undergraduates about the MSDA and the Data Analytics Society.



Career Options

The largest employers of Data Science graduates are governments, local authorities, companies (technological, financial, consulting/reporting, telecommunications, manufacturing, construction, utility, market research) and research institutes.

The Data Science curriculum is designed to prepare students for a variety of career paths, including:

