Data Science (B.S.)

Be part of a vital movement to transform data into actionable insights that empower smart business decisions.

The field of data science is evolving into one of the fastest-growing fields in the world. Data science impacts major industries, government, health care, and academia. As data is collected and accumulated, those with the expertise to find meaning in the numbers and drive positive business decisions will be in high demand.

Program Snapshot

Program type: Major
Format: On-campus or online
Est. time to complete: 4-5 years
Credit hours: 120

Why Study Data Science at UND?

There is significant and growing demand for data scientists in enterprises of all shapes and sizes. The supply of professionals who can work effectively with data at scale is limited, which is reflected by rapidly rising salaries for data engineers, data scientists, statisticians and data analysts.

With UND's undergraduate data science degree, you'll benefit from a program that:

- Marries computer science, data science and business analytics for well-rounded expertise.
- Offers a strong curriculum foundation of programming, as well as courses focused on databases, cloud computing, cybersecurity and high-performance computing.
- Provides opportunities to gain expertise with business analytics for the tools you need to interpret and transform data into actionable insights.

Learn at a Big Data Hub

Agriculture, UAS, energy, utility, construction and transportation sectors all use big data. It's critical to enhance acquisition, storage, communication and security, as well as to convert the data to usable information. As a big data hub, UND has a laser-focused team working to solve industrial data challenges.

Application Deadlines

Fall: Aug. 17
Spring: Dec. 15
Summer: May 1

Data Science at UND
Tailor the data science program to your individual interests when taken in concert with four specializations offered by the UND Computer Science Department: System and Programming Security, Software Engineering, Information Technology, and Game Development and Computer Animation.

Take advantage of opportunities to participate in research projects, cooperative education and seminars, as well as working for outside organizations, including corporations.

Gain the technical skill sets along with the strong liberal arts foundation to successfully work with large data sets and succeed in a variety of industries and professional settings.

The data science program is designed to help graduates be part of a highly-skilled workforce that can will support the expansion of data science-related industries.

**Careers in Data Science**

**650%** Data scientist roles have grown over 650 percent since 2012.*

**700K** Annual demand for the fast-growing new roles of data scientist, data developers, and data engineers will reach nearly 700,000 openings by 2020.**

*LinkedIn  
**Forbes

Graduates of our new data science program have an opportunity to get in on the ground floor of a rapidly growing field of computer science. Analyst estimate that the U.S. alone faces a shortage of 140,000 to 190,000 people with analytical expertise with data.*

UND data science graduates can expect a range of opportunities in careers with many kinds of institutions and in many different industries:

- Government
- Businesses
- Financial institutions
- Healthcare
- Scientific research facilities
- Colleges and universities

*Wired.com