The field of data science is evolving into one of the fastest-growing fields in the world.

The Data Science degree prepares you to impact industries, government, health care, and academia. You’ll be in high demand with your expertise to find meaningful data and drive positive business decisions.

**Program type:** Major  
**Format:** On Campus or Online  
**Est. time to complete:** 4-5 years  
**Credit hours:** 120

### Why earn a data science bachelor degree?

#### Application Deadlines

<table>
<thead>
<tr>
<th>Season</th>
<th>Deadline</th>
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<tr>
<td>Fall</td>
<td>Aug. 15</td>
</tr>
<tr>
<td>Spring</td>
<td>Dec. 15</td>
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<tr>
<td>Summer</td>
<td>May 1</td>
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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. This demand is reflected in 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 Data Science Degree 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.

### Data Science Degree Online or On-Campus

- Be part of a highly-skilled workforce that can support the expansion of data science-related industries.
- Participate in research projects, cooperative education and seminars, as well as working for outside organizations and corporations.
- Gain the technical skills to successfully work with large data sets. Also succeed in a variety of industries and professional settings with your strong liberal arts foundation.
- Benefit from a program housed within the College of Engineering & Mines. We’re one of the most well-respected engineering schools in the upper Midwest.
- Don’t overlook accreditation. This assures that a school meets an acceptable level of quality. UND programs are fully accredited by the Higher Learning Commission (HLC).
- Let our team of academic advisors help you plan your major. You’ll also have access to personalized Degree Map software to keep you on track to graduate in four years.

What can you do with a data science bachelor degree?

127k  Median salary for computer and information research scientists, 2020  
- U.S. Bureau of Labor Statistics

22%  Anticipated job growth through 2030  
- U.S. Bureau of Labor Statistics

Graduates of our new data science major 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.

Jobs you can expect to qualify for with a data science degree include:

- **Business Intelligence (BI) Developer**: Develop and maintain BI interfaces and work in BI tools.
- **Data Analyst**: Gather, visualize, transform, and manipulate data.
- **Data Architect**: Lay out the framework for how the data will be collected, used, modeled, retrieved, and secured.
- **Data Engineer**: Design, build, and maintain data infrastructure.
- **Data Scientist**: Use mathematical, statistical, and programming skills to gain insights from data. Research and develop new approaches, as well as manage projects.
- **Database Administrator**: Monitor database systems to ensure they function properly, create backups and recoveries, and grant permissions to databases.
- **Machine Learning Engineer**: Design, build, and maintain artificial intelligence (AI) software and algorithms.
- **Machine Learning Scientist**: Research new data manipulating approaches and design new algorithms.

Data Science Degree Graduates

UND data science degree holders 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

Best Online Data Science Degree

Our data science program consistently ranks among the best for educational quality, affordability, and career outcomes.

Learning to Lead

Leaders can come from anywhere, but they go here.

Discover over 250 programs at UND.
Explore More Options

Looking to add a double major, pursue graduate work or connect with the department?

- Department of Computer Science
- Explore Similar Majors
- Pursue a Graduate Degree

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