Data Science (M.S.)

Program Snapshot

Program type: Master’s Degree  
Format: On-campus or online  
Est. time to complete: 2 years  
Credit hours: 30 (non-thesis and thesis options)

Why Study Data Science at UND?

Data scientists are in demand in several fields, and in different roles. Those with the technical expertise to be able to work effectively with data at scale is limited. Rapidly rising salaries for data engineers, data scientists, statisticians, and data analysts reflect the shortage and increased interest in recruiting talent in this vital area.

With this UND graduate program, you'll can become part of a highly-skilled workforce that can will support the expansion of data science-related industries. This advanced curriculum is an ideal marriage of computer science, data science and business analytics for well-rounded expertise in one of the fastest growing areas in the realm of computing. You'll gain strong interdisciplinary knowledge, and a domain-specific, analytics foundation, as well as experience with leading research.

Application Deadlines

FALL: Aug. 1  
SPRING: Dec. 1

Program Highlights

- Participate in research and further existing studies with big data, including unmanned aerial systems, and many additional avenues of investigation.
- The program allows you to focus on a variety of areas of training via elective courses, including artificial intelligence, cyber security and scientific visualization.
- Take advantage of opportunities to participate in research projects, cooperative education and seminars, and working for outside organizations, including corporations.
- Gain the graduate-level knowledge and expertise to successfully research and work with large data sets in a variety of industries and professional settings.

Outcomes

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

There is a strong demand for managers in the field of data science, particularly those with graduate-level education and advanced skills. Analysts estimate that the U.S. alone faces a 1.5 million shortage of managers with the skills to understand and make decisions based on analysis of big data.*

Companies who have hired UND graduates in the past, and are also looking for data scientists, include:

- Amazon  
- Apple
• Target
• IBM
• Thompson Reuters
• The MITRE Corporation

*Wired.com