

Big Data Applied Statistical Analysis

Department Information

- **Department Location:**
221 Morrill Hall
- **Department Phone:**
(701) 231-7177
- **Department Email:**
ndsu.stats@ndsu.edu
- **Department Web Site:**
www.ndsu.edu/statistics/ (<http://www.ndsu.edu/statistics/>)
- **Credential Offered:**
Certificate

In this era of big data, analytics professionals are in demand. Graduate students and working professionals will develop the skills that can be applied to various tech-related careers, such as data scientist, statistical programmer, business analytics, computer programmer, and data engineer. As a student in this program, you will gain expertise in applied statistics, practical machine learning, data manipulation, data visualization, database system, and parallel computing. You can expect to learn how to use programming languages such as R, SQL, or Python.

Curriculum

Certificate curriculum is offered online in the summer semester.

Code	Title	Credits
STAT 712	Applied Statistical Machine Learning	3
STAT 711	Basic Computational Statistics using R	3
STAT 713	Introduction to Data Science	3
STAT 714	Statistical Big Data Visualization	3
Total Credits		12