

Data Science

Department Information

- **Department Web Site:**
www.ndsu.edu/cs/ (<http://www.ndsu.edu/cs/>)
- **Credential Offered:**
 UG Certificate
- **Program Overview:**
catalog.ndsu.edu/programs-study/undergraduate/data-science/ (<http://catalog.ndsu.edu/programs-study/undergraduate/data-science/>)

Certificate Requirements

Certificate: Data Science

Minimum Credits: 9

Code	Title	Credits
CSCI 420	Introduction to Data Science in Python	3
CSCI 422	Fundamentals of Data Engineering	3
or CSCI 425	Machine Learning	
or CSCI 426	Introduction to Artificial Intelligence	
Select one course from the following:		3
CSCI 422	Fundamentals of Data Engineering (if not used above)	
CSCI 425	Machine Learning (if not used above)	
CSCI 426	Introduction to Artificial Intelligence (if not used above)	
CSCI 428	Artificial Intelligence, Ethics, and the Environment	
CSCI 436	Intelligent Agents	
CSCI 450	Cloud Computing	
CSCI 479	Introduction to Data Mining	
GEOG 455	Introduction to Geographic Information Systems	
Total Credits		9