MASTER OF SCIENCE IN DATA SCIENCE (MS)

Gonzaga's online Master of Science in Data Science is a multi-disciplinary degree centered on computer programming and mathematics giving you a deep understanding of all aspects of data including machine learning, data management and data collections.

While focus deeply rests on the technical side of data science, students will tackle the ethical implications surrounding data including privacy, discrimination, appropriate use and governance.

Students in the program will learn to use your knowledge to become a creator and designer of analytical tools and models, not just an end user.

Data scientists are needed in nearly every industry as more organizations rely on data to make strategic decisions.

The Bureau of Labor Statistics shows jobs for Data Scientists are seeing 35% growth with an average salary of $103,500 a year.

Some other potential career tracks: data engineer, data analytics, machine learning engineer and software engineering.

Program Requirements

Course	Title	Hours
First Year		
Fall		
DATA 522	Foundations of Data Science	3
DATA 525	Statistics for Data Science	3
	Hours	**6**
Spring		
DATA 532	Responsible Data Science	3
DATA 561	Machine Learning	4
	Hours	**7**
Summer		
DATA 581	Data Analytics and Communication	3
	Hours	**3**
Second Year		
Fall		
DATA 572	Databases for Data Science	3
MBUS 670	Foundations of Project Management	3
	Hours	**6**
Spring		
DATA 582	Data-Intensive Systems	3
DATA 583	Data Science Capstone I	3
Course work continues through to DATA 584		
	Hours	**6**
Summer		
DATA 584	Data Science Capstone II	3
	Hours	**3**
	Total Hours	**31**