Bachelor of Science
Data Analytics
College of Arts and Sciences

Data analytics is the application of fundamental scientific principles towards the analysis of large, complex data sets. Practitioners in this rapidly growing field have expertise that cuts across core disciplines of computer science, mathematics and statistics, as well as critical thinking, problem-solving and communication skills. Students in the data analytics major will complete courses in core fundamentals and one of three area specializations: Biomedical Informatics, Business Analytics, and Computational Analytics.[i]

Career Areas/Job Titles:

Management and Industry
Business Analyst
Data Analyst
Solutions Architect
Financial Analyst
Business Intelligence
Developer

Marketing Analyst
Statistician
Consultant
Communication and Media
Media Data Analyst
Web Analyst
Digital Analyst

Technical Research Analyst
Science and Technology
Data Architect
Data Scientist
Computer Systems Analyst

Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.

Transferable Skills:

Business Fundamentals
Computer Programming
Economics and Accounting
Software Engineering
Fundamentals
Language Fluency
Mathematic Skills
Provide/Respond to Feedback
Public Speaking

Use Technology Effectively
Written & Verbal
Communication
Teamwork
Creativity/Imagination
Gathering Information
Forecasting/Predicting
Identifying Problems
Research Skills

Attention to Detail
Judgment & Decision Making
Implementing Decisions
Strategic Planning/Visioning
Creating Innovative Solutions
Quantitative Reasoning
Data Analysis
Analytical/Critical Thinking
Problem Solving

This is not an extensive list of transferable skills. See larger list of skills you might develop here:
http://ccss.osu.edu

Professional Links:

American Statistical Association: http://www.amstat.org
Association for Computational Machinery (ACM) special interest group on knowledge discovery and data mining: http://www.sigkdd.org
The Institute for Operations Research and the Management Sciences: https://www.informs.org
Society for Industrial and Applied Mathematics special interest group on data mining and analytics: http://www.siam.org/activity/dma/

THE OHIO STATE UNIVERSITY

University Exploration
i: https://data-analytics.osu.edu/major