

B.S. in Data Science

Program-Level Student Learning Outcomes

Students will:

- Acquire data from a variety of sources including public research, web pages, and social media.
- Assimilate skills acquired through the degree program in application to a capstone project providing solutions to real-world challenges.
- Communicate deftly with proficiency in both verbal and nonverbal communication.
- Convert unstructured and varied data into analysis-ready form.
- Implement data storage and processing architectures across clusters of commodity hardware and cloud resources.
- Use data to construct evidence-based solutions.
- Manage issues related to program performance, scalability, and high-availability.
- Use statistical theory and modern machine learning techniques to model observations and make predictions.
- Present actionable results of data analysis in multimedia formats to both technical and nontechnical audiences.
- Use software packages and libraries to support data analysis.