

MS in Applied Data Analytics

Learning Outcomes

After successfully completing this program, students will be able to:

1. Design, implement, populate and query relational databases for operational data (OLTP)
2. Design, implement, populate and query data warehouses for informational data (OLAP)
3. Harness very large data sets (big data) to make business decisions
4. Evaluate the use of data from acquisition through cleansing, warehousing, analytics, and visualization to the ultimate business decision
5. Mine data and carry out predictive modeling and analytics to support business decision-making.
6. Interpret and communicate data insights to any audience effectively
7. Discern when to implement relational versus document oriented database structures
8. Execute real-time analytical methods on streaming datasets to react quickly to customer needs