M.S. in Data Science Curriculum Sequence (Spring 2018)

Sample course sequence: Strongly encouraged to take at least 2 courses per semester

Bridge Workshops:
*Mandatory: Conditional **Admits***
*Optional: Full **Admits***

- SQL
- Data Science Math
- R Programming

SEMESTER:

1
- Programming I (DATA 607) — *3 credits*
- Probability & Statistics (DATA 606) — *3 credits*

2
- Programming II (DATA 602) — *3 credits*
- Computational Mathematics (DATA 605) — *3 credits*

3
- Visual Analytics (DATA 608) — *3 credits*
- Data Mining (DATA 621) — *3 credits*

4
- DATA Elective 1 — *3 credits*
- DATA Elective 3 — *3 credits*

5
- DATA Elective 2 — *3 credits*
- Capstone Project (DATA 698) — *3 credits*

Sample Elective Courses:

- Web Analytics
- Recommender Systems
- Predictive Analytics
- Financial Engineering
- Machine Learning
- Urban Sustainability: Energy