BS in Data Science Flow Chart

Suggested Year 1

- Premajor requirement
- Suggested Year 2
- Suggested Year 3
- Suggested Year 4

Premajor requirement

- Algorithm & Data Structures CS 2420
- Pre-req: CS 1030
  - Discrete Structures CS 2100
- Pre-req, Fall 21

Pre-req, Fall 21

- Object-Orient. Programming CS 1410
- Co-req: CS 3500
  - Software Practice I CS 3500
  - Pre-req: CS 1410
  - Pre-req, required Fall 21

Pre-req, required Fall 21

- Data Wrangling DS 2500
  - Data Wrangling DS 2500
- Pre-req: CS 2420

Pre-req: CS 2420

- Engineering Calculus I Math 1310
- Engineering Calculus II Math 1320
  - Linear Algebra Math 2270
  - Pre-req: Math 1310

Pre-req: Math 1310

- Engineering Calculus I Math 1310
- Engineering Calculus II Math 1320

Pre-req: Math 1310

- Algorithms & Data Structures CS 2420
- Pre-req: CS 1030

Pre-req: CS 1030

- Visualization for Data Science CS 5630
- Machine Learning CS 5350
- Data Mining CS 5140
  - Data Mining CS 5140

Pre-req: CS 3500

- Senior Capstone Design CS 4000
- Senior Capstone Project CS 4500

Pre-req: CS 3500

- Applied Statistics I Math 3070
- Applied Statistics II Math 3080

Pre-req: Math 3070