



## Major: Data Science

### Required Courses:

| Course Number                 | Course Title                                   | Credit Hours |
|-------------------------------|--|--------------|
| CSC 3300                      | Database Management                            | 4            |
| DAT 1100                      | Introduction to Data Science                   | 1            |
| DAT 1200                      | Data Wrangling                                 | 4            |
| DAT 2200                      | Data Analytics and Visualization               | 4            |
| DAT 3000                      | Fundamentals of Information Security           | 1            |
| DAT 3160                      | Principles and Techniques of Data Analytics I  | 3            |
| DAT 3260                      | Principles and Techniques of Data Analytics II | 3            |
| DAT 3370                      | Seminar I                                      | 4            |
| DAT 3380                      | Seminar II                                     | 4            |
| DAT 4900                      | Data Analytics Practicum                       | 3            |
| Choose one of these courses : |  | 4            |
| CSC 2300                      | Data Structures and Algorithm Analysis         |              |
| MAT 2050                      | Discrete Mathematics                           |              |
| MAT 2060                      | Calculus I                                     | 4            |
| MAT 2160                      | Linear Algebra                                 | 4            |
| MAT 2360                      | Statistics                                     | 4            |
| MAT 3360                      | Advanced Statistics                            | 4            |

**Total minimal hours = 51 for a B.S. degree**