

BACHELOR OF SCIENCE (BS) DATA ANALYTICS: SOCIAL SCIENCE ANALYTICS SPECIALIZATION

Suggested Curriculum – 4 Year Degree Plan

This should be used as a **guide** only. Semester offerings are subject to change. Students should meet with the Data Analytics academic advisor every semester to ensure an on time graduation.

| Year | Autumn | | Spring | |
|------|--|-----------|--------------------------------------|-----------|
| | Course | Hrs. | Course | Hrs. |
| 1 | ASC1100.xx | 1 | MATH 1152 or 2162 or 1172 or 2182H** | 5 |
| | MATH 1151 or 1161 or 1181H | 5 | CSE 2221 | 4 |
| | CSE 1223, 1224, or equiv | 3 | GE Foreign Language 2 | 4 |
| | GE Foreign Language 1 | 4 | GE Open Option* | 3 |
| | GE Writing Level I | 3 | | |
| | Total: | 16 | Total: | 16 |
| 2 | CSE 2231 | 4 | MATH 2568 | 3 |
| | CSE 2321 | 3 | CSE 2421 or 3430 | 4 |
| | STAT 3201 | 3 | STAT 3202 | 4 |
| | GE Foreign Language 3 | 4 | GE Writing Level 2 | 3 |
| | GE Social Science | 3 | GE Social Science | 3 |
| | Total: | 17 | Total: | 17 |
| 3 | ISE 3230 | 3 | CSE 3244 | 3 |
| | CSE 3241 | 3 | STAT 3302 | 3 |
| | STAT 3301 | 3 | Research Methods Elective*** | 3 |
| | Social Science Analytics Elective*** | 3 | Social Science Analytics Elective*** | 3 |
| | GE Historical Study | 3 | GE Biological Science (lab) | 4 |
| | GE Visual and Performing Arts | 3 | | |
| | Total: | 18 | Total: | 16 |
| 4 | CSE 5243 | 3 | CSE 5544 or ISE 5760 | 3 |
| | STAT 4620 | 2 | STAT 3303 | 3 |
| | Ind. Research in the Social Sciences | 3 | STAT 4911 Capstone | 4 |
| | GE Cult. & Ideas or 2nd Historical Study | 3 | Social Science Analytics Elective*** | 3 |
| | GE Physical Science (lab) | 4 | GE Natural Science | 3 |
| | GE Literature | 3 | | |
| | Total: | 18 | Total: | 16 |

*STAT 2450 can be utilized as a GE Open Option course for students who do not have previous experience in Statistics; however, this course is not required. If a student has EM or dual enrollment K credit for Math 1151, it is recommended they enroll in STAT 2450 during their second semester.

**Math courses above the 1151 and 1161 levels complete one of the two GE Open Option courses for a B.S. degree in the College of the Arts and Sciences. Data Analytics students must take Math 1152 or 1172 or 2162 or 2182H as a prerequisite to Math 2568.

*** From approved list of social science courses

****This curriculum plan assumes overlap for the Social Diversity and Global Studies GE categories.

Total hours to complete the degree program = 134