# BACHELOR OF SCIENCE (BS) DATA ANALYTICS: SAMPLE FOUR-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 | ASC 1100.xx<br>Math 1151 or 1161 or 1181H<br>CSE 1223 or equiv<br>GE Foreign Language 1<br>GE Writing Level I | 1<br>5<br>3<br>4<br>3 | Math 1152 or 2162 or 1172 or 2182H**<br>CSE 2221<br>GE Foreign Language 2<br>GE Open Option* | 5<br>4<br>4<br>3 |
| | **Total:** | **16** | **Total:** | **16** |
| 2 | CSE 2231<br>CSE 2321<br>Stat 3201<br>GE Foreign Language 3<br>GE Social Science | 4<br>3<br>3<br>4<br>3 | Math 2568<br>CSE 2421 or 3430<br>Stat 3202<br>GE Writing Level 2<br>GE Cultures & Ideas | 3<br>4<br>4<br>3<br>3 |
| | **Total:** | **17** | **Total:** | **17** |
| 3 | ISE 3230<br>CSE 3241<br>Stat 3301<br>GE Natural Science<br>GE Visual and Performing Arts | 3<br>3<br>3<br>3<br>3 | CSE 5544 **or** ISE 5760<br>Stat 3302<br>Specialization Elective***<br>GE Historical Study<br>GE Biological Science (lab) | 3<br>3<br>4<br>3<br>4 |
| | **Total:** | **15** | **Total:** | **17** |
| 4 | CSE 5243<br>Stat 4620<br>Specialization Elective***<br>Specialization Elective***<br>GE Social Science<br>GE Physical Science (lab) | 3<br>2<br>3<br>3<br>3<br>4 | CSE 3244<br>Stat 3303<br>Specialization Elective***<br>CSE 59xx/Stat 5xxx Capstone course<br>GE Literature | 3<br>3<br>3<br>4<br>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 required for them to enroll in STAT 2450 during their first 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 major specialization elective courses
****This curriculum plan assumes overlap for the Social Diversity and Global Studies GE categories.

**Total hours to complete the degree program = 132**