

# BACHELOR OF SCIENCE (BS) DATA ANALYTICS: COMPUTATIONAL 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	ASC 1100.xx	1	Math 1152 or 2162 or 1172 or 2182H**	5
	Math 1151 or 1161 or 1181H	5	CSE 2221	4
	CSE 1223 or equiv	3	GE Foreign Language 2	4
	GE Foreign Language 1	4	GE Open Option*	3
	GE Writing Level I	3		
	<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>16</b>
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	Linguistics 2000 (GE Cultures & Ideas)	3
	<b>Total:</b>	<b>17</b>	<b>Total:</b>	<b>17</b>
3	ISE 3230	3	CSE 5544 <b>or</b> ISE 5760	3
	CSE 3241	3	Stat 3302	3
	Stat 3301	3	Computational Elective***	4
	GE Natural Science	3	GE Historical Study	3
	GE Visual and Performing Arts	3	GE Biological Science (lab)	4
	<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>17</b>
4	CSE 5243	3	CSE 3244	3
	Stat 4620	2	Stat 3303	3
	Computational Elective***	3	Computational Elective***	3
	GE Social Science	3	CSE 59xx/Stat 4911 Capstone	4
	GE Physical Science (lab)	4	GE Literature	3
	<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>16</b>

\*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 computational analytics elective courses

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

**Total hours to complete the degree program = 129**