BACHELOR OF SCIENCE (BS) DATA ANALYTICS: BIOMEDICAL INFORMATICS 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 1	4
	Chemistry 1110 or 1210 (GE Phys Sci)	5	Biology 1113 (GE Bio Sci)	4
	GE Writing Level I	3		
	Total:	**17**	**Total:**	**17**
2	CSE 2231	4	Math 2568	3
	CSE 2321	3	CSE 2421 or 3430	4
	Stat 3201	3	Stat 3202	4
	GE Foreign Language 2	4	GE Writing Level 2	3
	Biology 1114 (GE Bio Sci)	4	GE Foreign Language 3	4
	Total:	**18**	**Total:**	**18**
3	ISE 3230	3	CSE 5544 **or** ISE 5760	3
	CSE 3241	3	Stat 3302	3
	Stat 3301	3	BMI 5730***	3
	BMI 5710***	3	GE Open Option*	3
	BMI 5720***	3	GE Visual and Performing Arts	3
	GE Historical Study	3	GE Literature	3
	Total:	**18**	**Total:**	**18**
4	CSE 5243	3	CSE 3244	3
	Stat 4620	2	Stat 3303	3
	MOLGEN 5660***	5	BMI 5740***	3
	GE Cult. & Ideas or 2nd Historical Study	3	STAT 4911 Capstone	4
	GE Social Science	3	GE Social Science	3
	Total:	**16**	**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.

*** Most BMI specialization courses are offered only one semester per year. Careful planning is needed.

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

Total hours to complete the degree program = 138

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