## Minimum Hours: 120

## Data Analytics (B.S.)

FRESHMAN – Fall Semester	Hours	FRESHMAN – Spring Semester	Hours		
COL 101 Foundations for Student Success+	1	Christian Studies Elective (BIB/CM/CT/PHIL)	3		
CT 113 Critical Survey of Worldviews	3	HIS General Survey Course (100/200 level)	3		
ENG 109 College Writing I OR ENG 111 Freshman English*	3	Natural Science Elective (BIO, CHEM, PHYS, SCI)***	2-4		
MATH 122 Calculus I (meets core math elective)	4	CSCI 116 Programming I	3		
Free Electives	4	MATH 221 Calculus II	4		
		(ENG 110 College Writing II)*			
TOTAL HOURS	15	TOTAL HOURS	15		
SOPHOMORE – Fall Semester		SOPHOMORE – Spring Semester	SOPHOMORE – Spring Semester		
BIB 222 Old Testament Literature & Interpretation	3	BIB 224 New Testament Literature & Interpretation	3		
Natural Science Elective (BIO, CHEM, PHYS, SCI) or EHS 111***	2	COMM 111 Intro to Communication	3		
Free electives	3	Choose ONE of the following: PSY 111, 228, 330, or 334	3		
CSCI 241 Intro to Database Development**	3	Free electives	3		
MATH 222 Calculus III	4	MATH 211 Elementary Statistics	3	1	
TOTAL HOURS	15	TOTAL HOURS	15		
JUNIOR – Fall Semester		JUNIOR – Spring Semester	JUNIOR – Spring Semester		
Choose <b>ONE</b> of the following: ENG 100/200, FA 211, FLM 210, MUS 100/200, or THT 100/200 (excludes ENG 245, lessons, ensembles, practicums)	3	Free Electives	6		
Christian Studies Elective (BIB/CM/CT/PHIL/GRK/HEB)	3	CSCI 328 Data Structures**	3		
CSCI 325 Programming II**	3	MATH 322 Statistics**	3	1	
MATH 321 Probability**	3	MATH 324 Numerical Methods**	3	1	
MATH 335 Big Data: Applied Analytics**	3			1	
TOTAL HOURS	15	TOTAL HOURS	15		
SENIOR – Fall Semester		SENIOR – Spring Semester			
Free Electives	9	Free Electives	14		
MATH 400 Advanced Research	3	MATH 490 Senior Seminar	1		
CSCI 331 Data Visualization	3				
TOTAL HOURS	15	TOTAL HOURS	15		

+ COL 101 is required of first time freshmen who have no standardized test scores or those who score less than 18 on the ACT Composite, less than 960 on the SAT or less than 61 on the CLT.

\*Students are required to take either ENG 109/110 College Writing I and II (6 credits) OR ENG 111 Freshman English (3 credits). Placement in ENG 111 requires an ACT <u>English</u> score of at least 21 <u>OR</u> an SAT Evidence-Based Reading & Writing score of at least 530 <u>OR</u> CLT score of at least 68. Students who are placed in the ENG 109-110 sequence will need to take ENG 110 in the spring semester of the freshman year.

\*\*Offered Alternate Years

\*\*\*Natural Science elective w/ lab (4 cr) or two Natural Science electives (2/2) or one Natural Science elective (2) and EHS 111 (2)

This document is to be used for planning purposes only. Please refer to the academic catalog for complete information. Course planning should be completed in consultation with your academic adviser. Not all courses are offered every semester or every year. Minimum total hours for a bachelors degree is 120.