Name _____
WID _____
Entrance Date _____

KANSAS STATE UNIVERSITY
College of Arts and Sciences

BACHELOR OF SCIENCE DEGREE **2018-19**

Curriculum and Graduation Requirements Guide

BASIC REQUIREMENTS		HR	GR
See Current Listing for Courses that Fulfill Requirements:			
Expository Writing I	(3)		
Expository Writing II	(3)		
Public Speaking	(2-3)		
Humanities: 4 courses	(11)		
1. Fine Arts			
2. Philosophy (except Logic)			
3. Western Heritage			
4. Literary or Rhetorical Arts			
Social Science: 4 courses	(12)		
1			
2			
3			
4 (course w/ prereq in same dept or 500-level or above)			
Natural Sciences: 4 courses	(14)		
1. Life Science with Lab			
2. Physical Science with Lab			
3. Life or Physical Science			
4. Course w/ prereq in same department			
Quantitative:	(4-9)		
1.			
2.			
3.			
International Overlay: 1 course	(3)		
US Multicultural Overlay: 1 course	(3)		

Retakes

1.	4.
2.	5.
3.	

Activity Hours - 4 - 8 hours

1.	5.
2.	6.
3.	7.
4.	8.

MAJOR

Statistics and Data Science

A minimum grade of C in each course taken as part of the major is required for graduation

	Credit	Grade
CIS 111 - Intro to Computer Programming	3	
OR		
CIS 200 - Programming Fundamentals	4	
OR		
CIS 209 - C Programming for Engineers	3	
ENGL 516 - Written Comm for the Sciences	3	
MATH 220 - Analytic Geometry and Calc I	4	
MATH 221 - Analytic Geometry and Calc II	4	
MATH 222 - Analytic Geometry and Calc III	4	
MATH 515 - Introduction to Linear Algebra	3	
OR		
MATH 551 - Applied Matrix Theory	3	
STAT 341 - Biometrics II	3	
OR		
STAT 351 - Business and Economic Stats II	3	
STAT 510 - Intro Probability and Statistics I	3	
STAT 511 - Intro Probability and Statistics II	3	
STAT 705 - Regression & Analy of Variance	3	
OR		
STAT 713 - Applied Linear Statistical Models	3	
STAT 725 - Introduction to the SAS Comp	1	
STAT 726 - Introduction to R Computing	1	
Additional STAT credits at 700 level	3	
One course selected from the following list:		
STAT 325 - Introduction to Statistics	3	
STAT 340 - Biometrics I	3	
STAT 350 - Business & Economic Stats I	3	
One course selected from the following list:		
STAT 710 - Sample Survey Methods	3	
STAT 720 - Design of Experiments	3	
STAT 722 - Stat Designs for Product Dev.	3	

Upper-division quantitative electives must be a total of 50 credit hours. Courses must be at the 400 level or above, and may include IMSE 541, 785, ECON 630, math, computer science, statistics (excluding STAT 701 and STAT 703), or courses in other areas with substantial quantitative content.

STAT courses at the 400 level or higher may replace either or both of the 300-level STAT courses, but credit may be received for only one of STAT 701 or STAT 703. STAT 770 and STAT 771 may replace STAT 510 and STAT 511, respectively, with dept approval

Advisor: Date:

TRANSFER CREDITS PRESENTED

Only 1/2 of the hours required for a KSU Degree can be applied from a two-year college.

College or University	Hours

K-State 8

Aesthetic Interpretation	Human Diversity within the U.S.
Historical Perspectives	Natural and Physical Sciences
Global Issues and Perspectives	Social Sciences
Ethical Reasoning and Responsibility	
Empirical and Quantitiative Reasoning	

Free Elective

***20 of the last 30 credit hours must be K-State coursework**
***45 credit hours at the 300 level or above are required for graduation**

Graduation Requirements

TOTAL hours required	120
KSU graded hours attempted	
Plus:	
KSU non-graded hours applied	
Transfer credit hours applied	
Less:	
KSU hours of F	
Below 100 level course	
Extra Activity Hours	
Total:	
CURRENT SEMESTER:	
REMAINING HOURS:	
REMAINING 300+ HOURS:	
OVERALL KSU GPA	

Arts and Sciences Basic Requirements: http://artsci.k-state.edu/student-resources/academics/advising_resources/Requirement%20sheets.pdf
K-State 8 Course List: http://www.k-state.edu/kstate8/lists/