

Name \_\_\_\_\_

WID \_\_\_\_\_

Entrance Date \_\_\_\_\_

**KANSAS STATE UNIVERSITY**  
College of Arts and Sciences

BACHELOR OF SCIENCE DEGREE

Spring 2019

Curriculum and Graduation Requirements Guide

MAJOR

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.

**Biochemistry**

You must have a 2.2 GPA and a C or better in all required science and math courses taken at K-State

<u>Biochemistry and Molecular Biophysics Track</u>	<u>Credit</u>	<u>Grade</u>
<b>Biochemistry Courses</b>		
BIOCH 110 - Biochemistry and Society	3	
BIOCH 521 - General Biochemistry	3	
BIOCH 522 - General Biochemistry Lab	3	
BIOCH 755 - Biochemistry I	3	
BIOCH 756 - Biochemistry I Laboratory	2	
BIOCH 765 - Biochemistry II	3	
BIOCH 775 - Molecular Biophysics	3	

**Biology Courses**

BIOL 198 - Principles of Biology	4	
BIOL 450 - Modern Genetics	4	
BIOL 455 - General Microbiology	4	
BIOL 541 - Cell Biology	3	

**Chemistry Courses**

CHEM 210 - Chemistry I	4	
CHEM 230 - Chemistry II	4	
CHEM 350 - General Organic Chemistry	3	
CHEM 351 - General Organic Chemistry Lab	2	
CHEM 371 - Chemical Analysis	4	
CHEM 500 - General Physical Chemistry	3	

**Mathematics Courses**

MATH 220 - Analytic Geometry and Calculus I	4	
MATH 221 - Analytic Geometry and Calculus II	4	
MATH 222 - Analytic Geometry and Calculus III	4	

**Physics Courses**

PHYS 213 - Engineering Physics <b>OR</b>		
PHYS 223 - Physics I, Mechanics, and Thermodynamics	5	
PHYS 214 - Engineering Physics II <b>OR</b>		
PHYS 224 - Physics II, Electromagnetism, and Sound	5	
PHYS 664 - Thermodynamics & Statistical Physics <b>OR</b>		
PHYS 775 - Biological Physics	3	

**Statistics Courses**

STAT 703 - Intro to Statistical Methods	3	
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**Research Requirement** from: BIOCH 757, 758, 766, 767, 799 (2 credit hours)

	1	
	1	

**Upper-division electives** from 500+ level Biochemistry, Chemistry, Biology, Statistics, Computer Science, Mathematics, and differential equations (3 credit hours)

	3	
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\*CHM 210 & 230 & 371 may be replaced with 220 & 250 and CHM 350 & 351 may be replaced with 531 & 532

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 Quantitative 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](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/>