

Name \_\_\_\_\_  
 WID \_\_\_\_\_  
 Entrance Date \_\_\_\_\_



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)		
<b>Retakes</b>			
1.	4.		
2.	5.		
3.			
<b>Activity Hours - 4 - 8 hours</b>			
1.	5.		
2.	6.		
3.	7.		
4.	8.		

MAJOR

General Physics

**Mathematics (12 Credits)**

	Credits	Grade
MATH 220 - Analytic Geometry and Calculus I	4	
MATH 221 - Analytic Geometry and Calculus II	4	
MATH 222 - Analytic Geometry and Calculus III	4	
MATH 340 - Elementary Differential Equations	4	

**Physics (38 Credits)**

PHYS 122 - Physics Today	1	
PHYS 123 - Physics Today II	1	
PHYS 223 - Physics I, Mechanics, and Thermo	5	
PHYS 224 - Physics II, Electromagnetism, & Sound	5	
PHYS 325 - Physics III, Relativity, & Quantum Phys	4	
PHYS 506 - Advanced Physics Lab	4	
PHYS 522 - Mechanics	4	
PHYS 532 - Electromagnetic Fields I	4	
PHYS 662 - Intro to Quantum Mechanics	4	
PHYS 664 - Thermodynamics & Stats	3	

*Advanced Physics Elective (3 credit hours) from:*

- PHYS 620 - Teaching University Physics (3)
- PHYS 636 - Physical Measurements Instrumentation (4)
- PHYS 639 - Computations in Physics (3)
- PHYS 642 - Nuclear Physics (3)
- PHYS 651 - Introduction to Optics (4)
- PHYS 652 - Applied Optics and Optical Measurement (3)
- PHYS 655 - Physics of Solids (3)
- PHYS 691 - Introduction to Astrophysics (3)
- PHYS 692 - Introduction to Cosmology (3)
- PHYS 694 - Particle Physics (3)

**Chemistry I and II are strongly recommended for Physics majors**

CHM 210 - Chemistry I	4	
CHM 230 - Chemistry II	4	

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/>