

Name \_\_\_\_\_

WID \_\_\_\_\_

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

# KANSAS STATE UNIVERSITY

## College of Arts and Sciences

### BACHELOR OF SCIENCE DEGREE

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)		

**Retakes**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Activity Hours - 4 - 8 hours**

- |          |          |
|----------|----------|
| 1. _____ | 5. _____ |
| 2. _____ | 6. _____ |
| 3. _____ | 7. _____ |
| 4. _____ | 8. _____ |

MAJOR

**Microbiology**

**01/16**

**Block A:**

Course	Credit	Grade
Math 220 - Analytical Geometry & Calc	4	_____
Chm 210 - Chemistry I	4	_____
Chm 230 - Chemistry II	4	_____
Chm 350 - General Organic Chemistry	3	_____
Chm 351 - General Organic Chm Lab	2	_____
Bioch 521 - General Biochemistry	3	_____
Phys 113 - General Physics I	4	_____
Phys 114 - General Physics II	4	_____

Class chosen from STAT 325, 340, 701, 703; MATH 221, 551, 615; CIS 111, 200 (credits: 3-4)

*Prerequisites for MATH 220 are MATH 100 and 150 or four semesters of high school algebra and one semester of trigonometry plus appropriate math placement exam scores. Upon consultation with a Division of Biology advisor a student may substitute: Biochemistry I and II for General Biochemistry; Organic Chemistry I and II for General Organic Chemistry; Organic Chemistry I Lab for General Organic Chemistry Lab; and Engineering Physics I and II for General Physics I and II.*

**Block B:**

Biol 198 - Principles of Biology	4	_____
Biol 450 - Modern Genetics	4	_____
Biol 455 - General Microbiolgy	4	_____
Biol 541 - Cell Biology	3	_____
Biol 670 - Immunology	4	_____
Biol 675 - Genetics of Microorganisms	3	_____
Biol 687 - Microbial Ecology	3	_____

**Block C:**

Students must take an additional 10 hours from courses listed below. 5 to 10 hours from List 1 can be applied to this requirement. Up to 5 hours from list 2 can be applied to this requirements. At least 5 of the 10 hours must be lab credits. **List 1:** AGRON 645, AGRON 646, BIOL 365, BIOL 410, BIOL 495 **OR** BIOL 697, BIOL 520, BIOL 530, BIOL 545, BIOL 546, BIOL 604, BIOL 609, BIOL 625, BIOL 671, BIOL 676, BIOL 690, BIOL 698, BIOL 705, BIOL 707, BIOL 730, BIOL 731, FDSCI 600, FDSCI 601. **List 2:** ASI 540, ASI 720, BIOCH 522, BIOCH 571, BIOCH 756, BIOCH 766, BIOCH 767, BIOCH 775, DMP 705, DMP 708, DMP 712, DMP 754, DMP 770, PLPTH 500, PLPTH 585, PLPTH 610, PLPTH 611, PLPTH 612, PLPTH 613.

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.
Global Issues and Perspectives	Natural and Physical Sciences
Ethical Reasoning and Responsibility	Historical Perspectives
Empirical and Quantitative Reasoning	Social Sciences

**Free Elective**

**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**

**\*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**