

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



| BASIC REQUIREMENTS   |       | HR | GR |
|--|-------|----|----|
| See Current Listing for Courses that Fulfill Requirements: |       |    |    |
| Expository Writing I                                       | (3)   | 3  |    |
| Expository Writing II                                      | (3)   | 3  |    |
| Public Speaking  | (2-3) | 2  |    |
| Humanities: 4 courses                                      | (11)  |    |    |
| 1. Fine Arts   |       |    | 2  |
| 2. Philosophy (except Logic)                               |       |    | 3  |
| 3. Western Heritage  |       |    | 3  |
| 4. Literary or Rhetorical Arts                             |       |    | 3  |
| Social Science: 2 Courses (Not GEOG)                       | (6)   |    |    |
|  |       | 3  |    |
|  |       | 3  |    |
| Natural Science (Min 2 hours)                              | (2)   |    |    |
|  |       |    | 4  |
| International Overlay: 1 course                            | (3)   |    |    |
|  |       |    | 3  |
| US Multicultural Overlay: 1 course                         | (3)   |    |    |
|  |       |    | 3  |

**Geographic Information Systems**  
**Math, Sci, & S**  
 BIOL 198 - Pri  
 GEOG 100 - V  
 GEOG 121 (&  
 GEOG 200 - F  
 MATH 205 - G  
 MATH 312 - Fi  
 PHILO 386 - F  
 PHYS 101 (&  
 STAT 325 - Ini

**Computational**  
 CC 110 - Intro  
 CC 210 - Fund  
 CC 310 - Data  
 CC 315 - Data  
 CC 410 - Adv  
 CC 520 - Data  
 CMST 135 - W

**Geospatial Co**  
 GEOG 302 - C  
 GEOG 508 - C  
 GEOG 602 - C  
 GEOG 605 - F  
 GEOG 608 - C  
 GEOG 705 - T  
 GEOG 706 - B  
 GEOG 707 - F  
 GEOG 712 - Ir  
 GEOG 728 - F

**Retakes**

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

**Activity Hours - 4 - 8 hours**

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

**Experimental**

\_\_\_\_\_

**Capstone Exp**

GEOG 495 - C

**Electives (15h)**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Advisor: \_\_\_\_\_

Arts and Sciences Basic Requirements: <http://artsci.k-state.edu/student-resou>  
 K-State 8 Course List: <http://www.k-state.edu/kstate8/lists/>

# ANSAS STATE UNIVERSITY

College of Arts and Sciences  
MAJOR

## Information Science & Technology (78 Hours)

| Info Sci (Choose 27 Hours)                      | Credit | Grade |
|---|--------|-------|
| Principles of Biology                           | 4      | _____ |
| World Geog & Globalization                      | 3      | _____ |
| (122) - Intro Phys Geog + Lab                   | 3 or 4 | _____ |
| Human Geography                                 | 3      | _____ |
| Gen Calc & Linear Algebra                       | 3      | _____ |
| Finite Applications of Math                     | 3      | _____ |
| Phil of Comp Sci & Soft Eng                     | 3      | _____ |
| (103) - The Phys World + Lab                    | 3 or 4 | _____ |
| Intro To Statistics                             | 3      | _____ |
| <b>IT Core (23 Hours)</b>                       |        |       |
| Intro To Computing                              | 3      | _____ |
| IT Comp Prog Concepts                           | 4      | _____ |
| Structures & Alg I                              | 3      | _____ |
| Structures & Alg II                             | 3      | _____ |
| Advanced Programming                            | 4      | _____ |
| Database Essentials                             | 3      | _____ |
| Web Fundamentals                                | 3      | _____ |
| <b>Geog Core (Choose 25 Hours)</b>              |        |       |
| Cart & Thematic Mapping                         | 3      | _____ |
| Geog Information Systems I                      | 4      | _____ |
| Comp Map & Geog Visual                          | 3      | _____ |
| Remote Sense of the Environ                     | 3      | _____ |
| Geog Information Systems II                     | 3      | _____ |
| Thematic Remote Sensing                         | 3      | _____ |
| Biophysical Remote Sensing                      | 3      | _____ |
| Remote Sensing of Water                         | 3      | _____ |
| Internet GIS & Dist Geog Info                   | 3      | _____ |
| Prog for Geog Analysis                          | 3      | _____ |
| <b>Learning (1 hour) [From GEOG 497 or 610]</b> |        |       |
| _____   | 1      | _____ |
| <b>Experience (2 hours)</b>                     |        |       |
| Capstone in Geography                           | 2      | _____ |
| <b>(4 hours)</b>                                |        |       |
| _____   | _____  | _____ |
| _____   | _____  | _____ |
| _____   | _____  | _____ |
| _____   | _____  | _____ |
| _____   | _____  | _____ |

Date: \_\_\_\_\_

[https://www.ansasstate.edu/colleges/academics/advising\\_resources/Requirement%20sheets.pdf](https://www.ansasstate.edu/colleges/academics/advising_resources/Requirement%20sheets.pdf)

## BACHELOR OF SCIENCE DEGREE

Curriculum and Graduation Requirements Guide

### TRANSFER CREDITS PRESENTED

Only 1/2 of the hours required for a KSU year college.

### College or University

|       |
|-------|
| _____ |
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| _____ |

### K-State 8

|                                      |
|--------------------------------------|
| Aesthetic Interpretation             |
| Historical Perspectives              |
| Global Issues and Perspectives       |
| Ethical Reasoning and Responsibility |
| Empirical and Quantitative Reasoning |

### Free Elective

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\*20 of the last 30 credit hours must be earned at the 300 level or above  
\*45 credit hours at the 300 level or above

### Graduation Requirements

TOTAL hours required \_\_\_\_\_  
 KSU graded hours attempted \_\_\_\_\_  
 Plus:  
 KSU non-graded hours \_\_\_\_\_  
 Transfer credit hours attempted \_\_\_\_\_  
 Less:  
 KSU hours of F \_\_\_\_\_  
 Below 100 level course \_\_\_\_\_  
 Extra Activity Hours \_\_\_\_\_  
Total \_\_\_\_\_

### CURRENT SEMESTER REMAINING HOURS:

REMAINING 300+ HOURS \_\_\_\_\_  
 OVERALL KSU GPA \_\_\_\_\_

*J Degree can be applied from a two-  
Hours*

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| Human Diversity within the U.S.<br>Natural and Physical Sciences<br>Social Sciences |
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**must be K-State coursework  
above are required for graduation**

|                |       |
|----------------|-------|
| <b>credits</b> | 120   |
| empted         | <hr/> |
| ; applied      | <hr/> |
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| <b>JRS:</b>    | <hr/> |
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|                | <hr/> |

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

# KANSAS STATE UNIVERSITY

College of Arts and Sciences

BACHELOR OF ARTS DEGREE                  2020-21  
 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)                                      |    |    |
| Foreign Languages: 4 courses (15-19)                       |    |    |
| 1.   |    |    |
| 2.   |    |    |
| 3.   |    |    |
| 4.   |    |    |
| Humanities: 4 courses (11)                                 |    |    |
| 1. Fine Arts   |    |    |
| 2. Philosophy  |    |    |
| 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: 3 courses (11)                           |    |    |
| 1. Life Science with Lab                                   |    |    |
| 2. Physical Science with Lab                               |    |    |
| 3. Life or Physical Science                                |    |    |
| Mathematics: 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.

### Geographic Information Science & Technology (78 Hours)

| <i>Math, Sci, &amp; Soc Sci (Choose 27 Hours)</i> | Credit | Grade |
|---|--------|-------|
| BIOL 198 - Principles of Biology                  | 4      | _____ |
| GEOG 100 - World Geog & Globalization             | 3      | _____ |
| GEOG 121 (& 122) - Intro Phys Geog + Lab          | 3 or 4 | _____ |
| GEOG 200 - Human Geography                        | 3      | _____ |
| MATH 205 - Gen Calc & Linear Algebra              | 3      | _____ |
| MATH 312 - Finite Applications of Math            | 3      | _____ |
| PHILO 386 - Philo of Comp Sci & Soft Eng          | 3      | _____ |
| PHYS 101 (& 103) - The Phys World + Lab           | 3 or 4 | _____ |
| STAT 325 - Intro To Statistics                    | 3      | _____ |

### Computational Core (23 Hours)

|                                   |   |       |
|-----------------------------------|---|-------|
| CC 110 - Intro To Computing       | 3 | _____ |
| CC 210 - Fund Comp Prog Concepts  | 4 | _____ |
| CC 310 - Data Structures & Alg I  | 3 | _____ |
| CC 315 - Data Structures & Alg II | 3 | _____ |
| CC 410 - Advanced Programming     | 4 | _____ |
| CC 520 - Database Essentials      | 3 | _____ |
| CMST 135 - Web Fundamentals       | 3 | _____ |

### Geospatial Core (Choose 25 Hours)

|  |   |       |
|--|---|-------|
| GEOG 302 - Cart & Thematic Mapping       | 3 | _____ |
| GEOG 508 - Geog Information Systems I    | 4 | _____ |
| GEOG 602 - Comp Map & Geog Visual        | 3 | _____ |
| GEOG 605 - Remote Sense of the Environ   | 3 | _____ |
| GEOG 608 - Geog Information Systems II   | 3 | _____ |
| GEOG 705 - Thematic Remote Sensing       | 3 | _____ |
| GEOG 706 - Biophysical Remote Sensing    | 3 | _____ |
| GEOG 707 - Remote Sensing of Water       | 3 | _____ |
| GEOG 712 - Internet GIS & Dist Geog Info | 3 | _____ |
| GEOG 728 - Prog for Geog Analysis        | 3 | _____ |

### Experimental Learning (1 hour) [From GEOG 497 or 610]

|       |   |       |
|-------|---|-------|
| _____ | 1 | _____ |
|-------|---|-------|

### Capstone Experience (2 hours)

|                                  |   |       |
|----------------------------------|---|-------|
| GEOG 495 - Capstone in Geography | 2 | _____ |
|----------------------------------|---|-------|

### Electives (15 Hours)

|                |             |       |
|----------------|-------------|-------|
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| _____          | _____       | _____ |
| Advisor: _____ | Date: _____ | _____ |

**TRANSFER CREDITS PRESENTED**  
 Only 1/2 of the hours required for a KSU Degree can be applied year college.

| College or University | Hours |
|-----------------------|-------|
| _____                 | _____ |
| _____                 | _____ |
| _____                 | _____ |
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| _____                 | _____ |
| _____                 | _____ |

### K-State 8

|                                      |                         |
|--------------------------------------|-------------------------|
| Aesthetic Interpretation             | Human Diversity withir  |
| Historical Perspectives              | Natural and Physical Sc |
| Global Issues and Perspectives       | Social Sciences         |
| Ethical Reasoning and Responsibility |                         |
| Empirical and Quantitative Reasoning |                         |

### Free Elective

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

### Graduation Requirements

TOTAL hours required \_\_\_\_\_  
 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/>

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