# REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN GEOGRAPHIC INFORMATION SCIENCE COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES THE UNIVERSITY OF OKLAHOMA 

For Students Entering the Oklahoma State System for Higher Education:
Summer 2018 through Spring 2019

| GENERAL REQUIREMENTS |
| :--- |
| Total Credit Hours . . . . . . . . . . . . . . . . . . . . . . . . . . . $\mathbf{1 2 1}$ |
| Total Upper-Division Credit Hours . . . . . . . . . . . . . . . . . 40 |
| Minimum Retention/Graduation Grade Point Averages: |
| Minimum in OU Coursework . . . . . . . . . . . . . . . . 2.25 |
| Minimum in Major Coursework - Combined and OU . . . . . . . . . . 2.25 |
| Overall - Combined and OU . . . . . . . . . . . . . . . . . . . . . 2.25 |

Geographic Information Science

B452
Bachelor of Science in Geographic Information Science


## INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

TOTAL HOURS: A minimum of 120 semester hours acceptable toward graduaton must be completed.
UPPER-DIVISION HOURS: A minimum of 40 upper-division semester hours acceptable toward graduation must be completed. OU courses numbered 3000 or above are upper-division. Transfer work is counted as lower-division or upper-division credit depending on the level at which it was offered at the institution where it was earned. Twoyear college work is accepted only as lower-division credit.
SENIOR INSTITUTION HOURS: A minimum of 60 semester hours applied toward graduation must be earned at senior (4-year) institutions.
RESIDENCY:

- A minimum of two semesters must be spent in residence in the College of Atmospheric and Geographic Sciences.
- At least 36 of the last 48 hours must be completed in residence at OU.

INDIVIDUAL STUDIES: No more than six hours of independent study or directed readings may be applied toward degree requirements.
GRADE POINT AVERAGES: Students must earn a minimum overall 2.25 for each of the following: Combined Retention GPA (all college grades), OU Retention GPA, GPA for all major courses, and GPA for all major courses taken at OU.

## Refer to the OU General Catalog for more complete information.

Suggested Semester Plan of Study - Bachelor of Science in Geographic Information Science (B452)
This plan shows one possible grouping of courses that would allow students to graduate in four years. Please refer to the front of the degree checksheet for official requirements. Students must consult with College of Atmospheric and Geographic Sciences and/or Geoinformatics Program academic advisers to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Atmospheric \& Geographic Sciences, and Geographic Information Science major requirements.

| Year | FIRST SEMESTER | Hours | SECOND SEMESTER | Hours |
| :---: | :---: | :---: | :---: | :---: |
|  | ENGL 1113, Principles of English Composition (Core I) <br> CHEM 1315, General Chemistry (Core II) <br> HIST 1483, United States 1492-1865, or <br> 1493, United States 1865-Present (Core IV) <br> MATH 1914, Differential \& Integral Calculus I (Core I) | $\begin{aligned} & 3 \\ & 5 \\ & 3 \end{aligned}$ | ENGL 1213, Principles of English Composition (Core I), or <br> EXPO 1213, Expository Writing (Core I) <br> MATH 2924, Differential \& Integral Calculus II <br> METR 1313, Programming for Meteorology <br> P SC 1113, American Federal Government (Core III) <br> GEOG 1113, The Language of Maps | $\begin{aligned} & 3 \\ & 4 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |
|  | TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 16 |
| $$ | PHYS 2514, General Physics for Science \& Engr. Majors GIS 2023, Intro. to Spatial Thinking <br> Computer Related Course <br> Social Science (Core III) <br> Understanding Artistic Forms (Core IV) | $\begin{aligned} & 4 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | PHYS 2524, General Physics for Science \& Engr. Majors GEOG 3773, Geography of the U.S. <br> Cognate Course <br> Computer Related Course <br> Western Civilization \& Culture (Core IV) | $\begin{aligned} & 4 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |
|  | TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 16 |
| $\begin{aligned} & \stackrel{y}{0} \\ & \underset{3}{2} \\ & \end{aligned}$ | GIS 3924, Quantitative Methods GIS 4013, Fundamentals of GIS Remote-Sensing Course Requirement Cognate Course Upper-Division Science elective | $\begin{aligned} & 4 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | GIS 4253, GIS Applications <br> Remote-Sensing Course Requirement <br> Cognate Course <br> Upper-Division Science Elective <br> Non-Western Culture (Core IV) | $\begin{aligned} & 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |
|  | TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 15 |
| $\begin{aligned} & \stackrel{\text { ch }}{0} \\ & \underset{\sim}{4} \end{aligned}$ | GIS 4653, Spatial Programming GIS 4923, Spatial Statistics GEOG 4893, Research Methods Cognate Course Upper-Division Science Elective | $\begin{aligned} & 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | GEOG 4953, Capstone <br> GIS 4453, Adv. GIS and Spatial Analysis <br> Upper-Division Science Elective <br> Upper-Division Science Elective | $\begin{aligned} & 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ |
|  | TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 12 |

Bachelor's degrees require a minimum of 40 hours of upper-division (3000-4000) coursework. This plan of study should not be used in lieu of academic advisement.


