## **REQUIREMENTS FOR THE MINOR** COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES THE UNIVERSITY OF OKLAHOMA

|                                                                                                                                                                                                                                                                                                                                                                                                                  | GENERAL REQUIREMENTS                     |     |  | Geo | Minor in:<br>ographic Information |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|--|-----|-----------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                  | Minimum Total Hours                      |     |  |     | <u>Systems</u><br>N462            |  |
| (                                                                                                                                                                                                                                                                                                                                                                                                                | The requirements for a minor must be com |     |  |     |                                   |  |
| No minor may be added by completing courses after receiving the bachelor's degree.                                                                                                                                                                                                                                                                                                                               |                                          |     |  |     |                                   |  |
| REQUIRED COURSES                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |     |  |     |                                   |  |
| <b>GIS 2023</b> , Introduction to Spatial Thinking and<br>Computer Mapping <i>(required)</i>                                                                                                                                                                                                                                                                                                                     |                                          | 3   |  |     |                                   |  |
| 12 additional hours to be chosen from the following courses.<br>At least 9 of these 12 hours must be completed at the upper<br>division (3000+) level:                                                                                                                                                                                                                                                           |                                          |     |  |     |                                   |  |
| GEOG 3483, Remote Sensing & Phenology<br>GEOG 3924, Quantitative Methods<br>GIS 4013, Fundamentals of Geographic Information Systems<br>GIS 4133, Fundamentals of Remote Sensing<br>GIS 4233, Digital Image Processing<br>GIS 4253, GIS Applications<br>GIS 4453, Advanced GIS and Spatial Analysis<br>GIS 4653, Spatial Programming and GIS<br>GIS 4923, Spatial Statistics<br>GIS 4970, Special Topics/Seminar |                                          |     |  |     |                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | GEOG/GIS                                 | 3-4 |  |     |                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | GEOG/GIS                                 | 3   |  |     |                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | GIS                                      | 3   |  |     |                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                  | GIS                                      | 2-3 |  |     |                                   |  |
| A minimum 2.00 GPA is required in all work presented for minor credit.                                                                                                                                                                                                                                                                                                                                           |                                          |     |  |     |                                   |  |
| The successful completion of a minor will be entered on the student's permanent record at the time the degree is recorded. Approved March 2016                                                                                                                                                                                                                                                                   |                                          |     |  |     |                                   |  |