

College of Natural Resources and Environment (CNRE)
Department of Geography
Minor in Geographic Information Science
(for students graduating in 2018)

Name: _____ Student ID#: _____

A minimum of 18 credit hours to include:

1. Required Courses – 12 credits

GEOG 1084:	Digital Planet	(3) _____
GEOG 2084:	Principles of Geographic Information Systems	(3) _____
GEOG 4084:	Modeling with Geographic Information Systems (PRE 2084)	(3) _____
GEOG 4354:	Introduction to Remote Sensing OR	
FOR 4214:	Forest Photogrammetry and Spatial data Processing	(3) _____

2. Geographic Information Science Options – Select at least 6 credits

CS 1064:	Introduction to Programming in Python	(3) _____
FOR 4114:	Information Technologies for Natural Resource Management	(3) _____
GEOG 3314:	Cartography	(3) _____
GEOG 4314:	Spatial Analysis in GIS (Pre 4084)	(3) _____
GEOG 4324:	Algorithms in Geographic Information Systems (Pre: CS 1064, 4084)	(3) _____
GEOG 4374:	Remote Sensing and Phenology (Pre 4354)	(3) _____
GEOG 4394:	Introduction to Web Mapping (Pre: 2314 or 3314 or 4084)	(3) _____
STAT 3604:	Statistics for social science OR	
STAT 3615:	Biological Statistics	(3) _____

To complete the Geographic Information Science minor, Geography and Meteorology majors must complete at least 12 credits above that are **not also used to** meet requirements of their majors. Mark these 12 credits as ND (non-duplicative) above in order to complete the application for the minor.

3. GPA \geq 2.0 overall in the above courses

Steps for completing the minor in Geographic Information Science:

- Declare minor in Geography main office in 115 Major Williams Hall and then submit your forms to the CNRE undergraduate programs office in 138 Cheatham Hall.
- Include minor information when updating the application for degree in Hokie Spa.
- See an adviser in Geography in 115 Major Williams Hall for advice on courses during pre-registration. Some courses in the minor requirements listed above have prerequisites, so be sure to consult the University Catalog or check with your advisor.
- Students cannot graduate until they have either (1) satisfied the requirements for the minor or (2) withdrawn from the minor by notifying CNRE Academic Programs office in 138 Cheatham and revised their DARS.

As of Sept 2015