

# GEOGRAPHIC INFORMATION SYSTEMS FOR AGRICULTURE MINOR

## Required Courses

BRAE 150	Design Graphics and CAD for Agricultural Engineering	2
BRAE 239	Engineering Surveying	4
BRAE 345	Aerial Photogrammetry and Remote Sensing	3-4
or GEOG 328	Applications in Remote Sensing and GIS	
NR/LA 218	Introduction to Geographic Information Systems (GIS)	3-4
or GEOG 218	Applications in GIS	
NR 418	Applied GIS	3-4
or GEOG 441	Advanced Applications in Geospatial Technologies	

## Emphasis areas

Select one of the following emphasis areas: 12

### Environmental Information Emphasis

BRAE/NR 355	Drone Assisted Surveying
BRAE 447	Advanced Surveying with GIS Applications
NR 304	Agroecology
or NR 305	Forest Ecology and Silvics
or NR 306	Natural Resource Ecology and Habitat Management
NR 416	Environmental Impact Analysis and Management
or CRP 336	Introduction to Environmental Planning
SS 431	Digital Soil Mapping

### Precision Agriculture Emphasis

BRAE/PLSC 244	Precision Farming
Select two of the following:	
BRAE/NR 355	Drone Assisted Surveying
BRAE 447	Advanced Surveying with GIS Applications
PLSC 406	Advanced Weed Management
PLSC 410	Crop Physiology
PLSC 431	Insect Pest Management
PLSC 445	Cropping Systems

**Total units** 27-30