

## GEOGRAPHIC INFORMATION SYSTEMS FOR AGRICULTURE MINOR

Name \_\_\_\_\_ EmpID: \_\_\_\_\_  
 Email: \_\_\_\_\_ Expected Grad Date: \_\_\_\_\_  
 Cell: \_\_\_\_\_ Major: \_\_\_\_\_  
 Address: \_\_\_\_\_ Major Advisor: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_

### Required Core Courses

	Units	Quarter / Year Taken or Planned	Grade
<b>Graphical Communication</b>	2/4		
BRAE 133 Engineering Design Graphics (1) <i>and</i>		_____ / 20 _____	_____
BRAE 151 CAD for Agricultural Engineering (1); <i>or</i>		_____ / 20 _____	_____
CE 112 Design Principles in Civil Engineering (2) <i>and</i>		_____ / 20 _____	_____
CE 113 Computer Aided Drafting in Civil Engineering (2)		_____ / 20 _____	_____
<b>Geomatics</b>	7/8		
BRAE 239 Engineering Surveying (4)		_____ / 20 _____	_____
BRAE 345 (3) <i>or</i> GEOG 328 (4)		_____ / 20 _____	_____
<b>GIS</b>	6		
NR/LA 218 Applications in GIS (3)		_____ / 20 _____	_____
NR 418 Applied GIS (3) <i>or</i> BRAE/HCS/LA 470 (3)		_____ / 20 _____	_____
<b>Emphasis Areas</b> (select one)			
<b>Environmental Information Emphasis</b>	12		
BRAE 447 Advanced Surveying with GIS Applications (4)		_____ / 20 _____	_____
NR 306 (4); <i>or</i> BIO 325 (4)		_____ / 20 _____	_____
NR 416 Environmental Impact Analysis (4) <i>or</i> CRP 336 (4)		_____ / 20 _____	_____
<b>Precision Agriculture Emphasis</b>	11/12		
CRSC 244 Precision Farming (4)		_____ / 20 _____	_____
Select two of the following classes (7/8):			
BRAE 447; CRSC 445; PPSC 405; PPSC 431; HCS 410;		_____ / 20 _____	_____
SS 433 (3); VGSC 423		_____ / 20 _____	_____
<b>TOTAL APPROVED UNITS</b> [26 to 30 required]	_____		

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Coordinator Signature \_\_\_\_\_ Date \_\_\_\_\_

Samantha Gill or Tom Mastin

BRAE Department Head Signature \_\_\_\_\_ Date \_\_\_\_\_

### NOTE ADDITIONAL REQUIREMENTS AND REGULATIONS

- A total of 26 units are required for this minor.
- Students must maintain at least a 2.0 average for courses in the minor.
- Not more than one-third of the courses can be graded Credit/No Credit.
- A minimum of one-half of the units must be taken at Cal Poly.
- At least one-half of the units must be upper division