

GEOGRAPHIC INFORMATION SYSTEMS FOR AGRICULTURE MINOR

Required Courses

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| 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 | |
| NR/LA 218 | Introduction to Geographic Information Systems (GIS) | 3-4 |
| or GEOG 318 | Applications in GIS | |
| NR 418 | Applied GIS | 3-4 |
| or GEOG 440 | Advanced-Applications in GIS | |

Emphasis areas

Select one of the following emphasis areas: 12

Environmental Information Emphasis

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| BRAE/NR 355 | Drone Assisted Surveying |
| BRAE 447 | Advanced Surveying with GIS Applications |
| NR 306 | Natural Resource Ecology and Habitat Management |
| NR 416 | Environmental Impact Analysis and Management |
| or CRP 336 | Introduction to Environmental Planning |

Precision Agriculture Emphasis

AEPS/BRAE 244 Precision Farming

Select two of the following:

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| AEPS 406 | Advanced Weed Management |
| AEPS 410 | Crop Physiology |
| AEPS 423 | Advanced Vegetable Science |
| AEPS 431 | Insect Pest Management |
| AEPS 445 | Cropping Systems |
| BRAE/NR 355 | Drone Assisted Surveying |
| BRAE 447 | Advanced Surveying with GIS Applications |

Total units 27-30