

# PRECISION AGRICULTURE MINOR

Established in 1870, the mission of the College of Agricultural and Life Sciences is to deliver unsurpassed educational programs that prepare students to address the world's critical challenges related to agriculture, food systems, human well-being, natural resources and sustainable communities.

## Contact

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[Map More Info](#)

### Academic Advising

2020 McCarty Hall D  
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## About this Program

- **College:** Agricultural and Life Sciences
- **Credits:** 15, completed with minimum grades of C
- **Additional Information**
- **Related Precision Agriculture Programs**

In the multidisciplinary precision agriculture minor, students use satellite imagery, aerial photography, field sensors, and the Global Positioning System to acquire information about field conditions. This information is organized and analyzed using a digital mapping system called Geographical Information System. After being analyzed, these data can help make effective management decisions.

## Required Courses

Code	Title	Credits
AOM 4434	Precision Agriculture (take this course first)	3
AOM 4455	Agricultural Operations and Systems	3
	Approved Crop Management and Field Techniques elective	3
	Approved Geographic Information Systems elective	3
	Approved Remote Sensing elective	3
Total Credits		15

## Related Precision Agriculture Programs

- Bachelor of Science in Agricultural Operations Management

### Approved Electives

#### Crop Management and Field Techniques Electives

Code	Title	Credits
AGR 4214C	Applied Field Crop Production	3
AGR 4231C	Forage Science and Range Management	4
FAS 4305C	Introduction to Fishery Science	3
FNR 3410C	Natural Resource Sampling	3
FNR 4623C	Integrated Natural Resource Management	3
FRC 3212	Introduction to Citrus Culture and Production	3

GEO 3162C	Introduction to Quantitative Analysis for Geographers	4
IPM 3022	Fundamentals of Pest Management	3
PLP 3103C	Control of Plant Diseases	3
PLS 3004C	Principles of Plant Science	3
PLS 4601C	Principles of Weed Science	3
PLS 4613	Aquatic Weed Control	3
SWS 3023L	Soil Judging	2
SWS 4231C	Soil, Water and Land Use	3
SWS 4715C	Environmental Pedology	4
STA 4222	Sample Survey Design	3
SUR 3520	Measurement Science	3
WIS 4945C	Wildlife Techniques	4

#### Geographic Information Systems Electives

Code	Title	Credits
FOR 3434C	Forest Resources Information Systems	3
GIS 3043	Foundations of Geographic Information Systems	4
GIS 3072C	Geographic Information Systems	3
SUR 5365	Digital Mapping	3
URP 4273	Survey of Planning Information Systems	3

#### Remote Sensing Electives

Code	Title	Credits
AOM 5431	GIS/Remote Sens Agric	3
SUR 3331C	Photogrammetry	3
SUR 4380	Remote Sensing	3
SUR 5385	Remote Sens Applica	3